

# Omneon ProDrive™

Installation and User's Guide Release 1.2

#### Omneon, Inc. • ProDrive<sup>™</sup> • Installation and User's Guide

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#### Software Release

Release 1.2

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# Contents

Chapter 1: Introduction	1
About Omneon ProDrive.	1
Powerful Ingest Features	2
Flexible Clip Preparation	3
Extensive Playout Options	4
Manage Clips Easily	5
Summary	6
Understanding the ProDrive Overview Window	6
Status Panels	6
Players Bar	7
Menus	8
Locating the Latest Documentation on the Omneon Web Site	9
Technical Support	9
Chapter 2: Installing ProDrive1	1
In this Chapter	1
System Requirements 1	1
System Compatibility 1	2
What Gets Installed	2
Installing ProDrive 1	2
About ProDrive Licensing 1	4
Obtaining a Valid License 1	7
About the Omneon Media API DLL and ProDrive 1	7
Chapter 3: Configuring ProDrive 1	9
In this Chapter	9
Starting ProDrive	20
Configuring a Media Server	20
Limiting Access to the ProDrive Configuration Screens 2	25
Customizing the Appearance of Events 2	27
Assigning Roles to Players 2	:9
Disabling a Player for Use With ProDrive	0
About Configuration and Log Files	51

Chapter 4: Performing a VTR Ingest	. 33
In this Chapter	. 33
Overview	. 33
Enabling a Player for VTR Ingest	. 33
Configuring a COM Port for VTR Control	. 35
Understanding the VTR Ingest Window	. 36
Controls	. 36
Buttons	. 39
Menus	. 39
Understanding the VTR Ingest List	. 40
Managing VTR Ingest Lists	. 40
Creating VTR Ingest Lists	. 41
Opening VTR Ingest Lists	. 42
Clearing VTR Ingest Lists	. 43
Managing Clips in VTR Ingest Lists	. 44
Adding Clips to a VTR Ingest List	. 44
Editing Clips in a VTR Ingest List	. 46
Deleting Clips from a VTR Ingest List	. 47
Cueing Clips in a VTR Ingest List.	. 48
Managing a VTR Ingest	. 48
Running a VTR Ingest	. 49
Skipping to the Next Clip	. 50
Stopping a VTR Ingest	. 50
Rerunning a VTR Ingest	. 51
Chapter 5: Performing a Scheduled Ingest	. 53
Understanding the Scheduled Ingest Window.	. 54
Controls	. 54
Buttons	. 55
Menus	. 55
Enabling a Player For Scheduled Ingest	. 56
Managing Scheduled Ingest Lists	. 58
Assigning a Scheduled Ingest List for a Player	. 58
Clearing Scheduled Ingest Lists	. 59
Saving Scheduled Ingest Lists	. 60
Managing Scheduled Ingest Events	. 60
Adding Events to a Scheduled Ingest List	. 61
Editing Events in a Scheduled Ingest List	. 63
Deleting Events in a Scheduled Ingest List	. 64
Chapter 6: Preparing Clips	. 65
In this Chapter.	. 65
Overview	. 65

Understanding the Clip Preparation Window	5
Controls	6
Buttons	9
Menus	1
Enabling a Player for Clip Preparation	2
Managing Clips and the Clip Prep List	3
About Opening Clips	3
Adding Clips to the Clip Prep List	3
Updating Clips	4
Loading Clips	4
Creating New Clips	5
Flattening Clips	6
Recording Clips (Crash Record)	7
Ejecting Clips	9
Clearing Clips	9
Chapter 7: Playing Out Clips	1
In this Chapter	1
Overview	1
Enabling a Player for Playout	1
Understanding the Playout Window	5
Controls	5
Buttons	8
Menus	9
Understanding the Playout List Text File	0
Managing Playlists	1
Opening Playlists	1
Appending Playlists	1
Saving Playlists	1
Clearing Playlists	2
About Status Updates to the Playlist	2
Managing Playout Events	2
Creating Playout Events	3
Editing Playout Events	4
Copying and Pasting Playout Events	5
Cutting Playout Events	5
Deleting Playout Events	5
Selecting All Playout Events	5
Playing Clips	6
Chapter 8: Managing Clips	7
In this Chapter	7
Overview	7

Understanding the Clip Management Window
Menus
Viewing Clips
Filtering Clips
Viewing Clips in a Folder
Viewing Clip Properties
Managing Clips 101
Selecting Clips
Sorting Clips
Renaming Clips
Copying Clips
Moving Clips
Deleting Clips
Changing to Complex View
Adding Custom Metadata to Clip User Data 105
Managing Clip Folders
Exploring Folders
Creating Folders
Renaming Folders
Refreshing Folders
Deleting Folders
Appendix A: Reference Information
Clip Preparation Keyboard Commands 111
VTR Keyboard Commands 112
List Control Keyboard Commands 113
About ProDrive.exe Error Messages and Logs 114
About the As-Run Log Header List 115
About Authentication for Omneon MediaDirector 2202 Systems Working with ProDrive 116
About Fault Handling in ProDrive 117
About the Automatic Renaming of Sub Clips Using Clip Patterns 118
Index



# CHAPTER 1 Introduction

This guide provides information on how to install and use the Omneon ProDrive application. Choose from the following sections:

- About Omneon ProDrive
- Understanding the ProDrive Overview Window
- Locating the Latest Documentation on the Omneon Web Site
- Technical Support

•

### **About Omneon ProDrive**

Omneon ProDrive<sup>TM</sup> is an integrated media control system for Omneon Spectrum<sup>TM</sup> System and MediaDeck<sup>TM</sup> broadcast servers, combining ingest, preparation, and clip playout functions for up to six broadcast channels into a single application.



**Omneon ProDrive** 

Using ProDrive, you can:

- Control content on your Spectrum or MediaDeck server from anywhere on the network
- Capture content according to a schedule, or use the crash record feature
- Capture content from tapes while simultaneously controlling the source VTR via serial protocol
- Create playout schedules
- Review clips, specify in and out points, and create sub-clips, all from your desktop or rename, move, copy and delete content

ProDrive supports from one to six simultaneous playout or ingest ports, providing true flexibility to configure the system to meet your requirements.

ProDrive can be installed on any PC computer running Windows XP® or Windows Vista with TCP/IP connectivity to a Spectrum or MediaDeck server.

### **Powerful Ingest Features**

ProDrive provides a range of ingest features for capturing content to your Omneon Spectrum Server or Omneon MediaDeck and preparing it for transmission.

The Crash record feature allows operators to instantly specify capture content that is being fed to a port. Crash records can run for a specified duration to create a clip on your server.. Clips can then be scheduled for playout on another port while being recorded.

ProDrive's schedule management feature enables users to view, edit and create new scheduled record items at any time of day for any duration. At the specified time, your server will switch to record mode and capture your desired content.

VTR Ingest allow you to capture content from your tapes while simultaneously controlling the source VTR via serial protocol. With VTR Ingest, you can create an ingest list based on the content of a tape, and then capture and digitize all marked sections from that tape. This feature captures content from multi-segment tapes and handles long-form content that spans multiple tapes. Ingest lists can also be created in external applications and imported into ProDrive.

Conneon Pro	Drive: C:\Program Files\Omneon\P	roDrive\batch lists\an	na and the king (SI	)).ale				
Overview	Clip	dir9 5301 1080	dir9 1010a SD	dir10 53215 1000i	dr10 5321a 720p	dr10 1003a SD		ZOMNEON <sup>™</sup>
	Management							ProDrive <sup>™</sup>
New Ingest List	VTR Ingest: dir10_5321a_72	Op Red	In	00	t	Duration	Name	Status
Open Ingest List		ANK-1	01:17	28;01 01:	17:44;06 (	00:00:16:05	Anna and the king seg 11	
Save Ingest List		ANK-1	01:17	.52;12 01:	18:34;07	00:00:41;23	Anna and the king seg 12	
Save Ac.	-	ADBC-0	01:19	:48;12 01:	19:54;24 0	00:00:25;08	Anna and the king seg 14	
Sere As		Þ					Auto-namea	
Run Ingest List	::							
Reset List								
Crash Record								
	off 00000000	1000						
	Var. Play							
	Cue to Timecode: 00:00:00:00	Cue						
	IN Point OUT Poi	int T						
	and solution addition							
	Mark Cue Mark C	ue la						
Storage: 8	hours free						System VITC: 14:05:43:04	Date: 9/24/2009 14:05:42

VTR Ingest

### **Flexible Clip Preparation**

ProDrive provides comprehensive clip preparation to ensure that the content stored on your Server or Omneon MediaDeck is ready for transmission whenever you need it.

Any clip on your server can be loaded into the ProDrive application and controlled just as if it were a clip on a VTR, using any appropriately configured port on your server. Operators can jog and shuttle through the clip, find points of interest, mark new in and out points, and create new sub-clips based on this data.



**Clip Preparation** 

### **Extensive Playout Options**

ProDrive provides comprehensive content playout features in the same intuitive user interface. Individual clips (or even sections of clips) can be loaded onto a port and either played out immediately or scheduled for playout at a specific time.

Operators are also able to create playout lists containing multiple clips from your server. ProDrive supports complex transmission rules such as list looping, configuring Auto-follow, Manual, or Hard-timed Events. New clips arriving on the server can immediately be inserted into an active list at any desired location within the list.

ProDrive can also import playlists from Omneon PlayTool, making it easy to integrate into existing workflows or other parts of your business.

Full logging of transmission output is provided, making it easy to compare schedules and as-run content – ensuring that what went to air matches what was intended.

Overview	Clip Management dir10_5321a_720p							2	©Omneon ProDrive™
New List	Playout: dir10_5321a_720p		Description	Start	Stop	Duration	Clip Name	Туре	Status
	Idle		🗸 Trailer	00:00:00:	00:00:3	00:00:38	Cinequest_Traile	Auto	Pending
Add Clips			Short Trailer	00:00:00:	00:00:3	00:00:38	Trailer_short_na	Auto	Pending
Open List	1		Short Trailer	00:00:00:	00:00:3	00:00:38	Trailer_short_na	Auto	Pending
opentaen	2		Palm St Corner	00:00:00:	00:00:4	00:00:47	Cinequest_Palm	Auto	Pending
Save List			Jaman	00:00:00:	00:00:4	00:00:44	JamanCinequest	Auto	Pending
	Cinequest_Trailer_DV NTSC Anamo	rphic 23.976 Stopped		00:00:00:	00:02:2	00:02:25	Pre_Screen_With	Auto	Pending
Append List	00:00:00;00	00:00:38;08	<b>V</b>	00:00:00:	00:02:2	00:02:20	Pre_screen_WO	Auto	Pending
Reload List				00:00:00:	00:01:1	00:01:10	RB_RoughCuts_T	Auto	Pending
	00.00.00	0.00		00:00:00:	00:00:4	00:00:45	Slides.mov	Auto	Pending
	00.00.0	0.00	✓ Old Slides	00:00:00:	00:00:3	00:00:30	Slides_Old.mov	Auto	Pending
				00:00:00:	00:03:0	00:03:00	Whats_Hot1.mov	Auto	Pending
	start Take	Drop Next		00:00:00:	00:03:5	00:03:55	Whats_Hot2.mov	Auto	Pending
				00:00:00:	00:01:5	00:01:59	001.mov	Auto	Pending
				00:00:00:	00:04:5	00:04:59	DV_50_1.mov	Auto	Pending
	Stop List	Hold Next		00:00:00:	00:04:5	00:04:59	IMX_50_1.mov	Auto	Pending
	Loop List	Recue							

Clip Playout

### Manage Clips Easily

The clip management features in ProDrive help you to manage the content stored on your server. . With a full explorer view of the server's contents, you can rename, move, copy and delete clips, all from your desktop. Even with complex reference or self-contained clips, a consolidated view makes your content manageable and accessible. Folder structures within the server can also be created and organized with ProDrive.

🕿 Omneon ProDrive: C	urrent Folder: \fs0\clip.dir\10sec\2997_1080i	j			
File Edit View Tools He	lp				
Overview Clin Manage	dir9_6101_720p dir9_5301_1080i	dir9_1010a_SD	dir10_5321b_1080i	dir10_5321a_720p dir:	<sup>10_1003a_5D</sup> <sup>∞</sup> OMNEON <sup>®</sup> ProDrive <sup>™</sup>
Current Folder: \fs0\clip.dir\1	0sec\2997_1080i				Filter
Folders 🗠	Name	Ouration	Format Fran	nerate   Last Modified   FileType	Tracks
⊡– \fs0	54-DVCPRO100-2997-1080i-OP0TypeA-I-100-aiff.mxf	00:00:10;00	1920×1080 29.9	7fps 6/23/2009 1 MXF, Re	1 DV Video, 1 PCM Audio
L dip dir	54-DVCPRO100-2997-1080i-OP0TypeA-I-100-wav.mxf	00:00:10;00	1920×1080 29.9	7fps 6/23/2009 1 MXF, Re	1 DV Video, 1 PCM Audio
	54-DVCPRO100-2997-1080i-OP1a-I-100-aiff.mxf	00:00:10;00	1920×1080 29.9	7fps 6/23/2009 1 MXF, E	1 DV Video, 1 PCM Audio
=- 10sec	54-DVCPRO100-2997-1080i-OP1a-I-100-wav.mxf	00:00:10;00	1920×1080 29.9	7fps 6/23/2009 1 MXF, E	1 DV Video, 1 PCM Audio
- 25_1080i	54-DVCPRO100-2997-1080i-OP1b-I-100-aiff.mxf	00:00:10;00	1920×1080 29.9	7fps 6/23/2009 1 MXF, E	1 DV Video, 1 PCM Audio
- 25_SD	54-DVCPRO100-2997-1080i-OP1b-I-100-wav.mxf	00:00:10;00	1920×1080 29.9	7fps 6/23/2009 1 MXF, E	1 DV Video, 1 PCM Audio
-50 720p	54-DVCPRO100-2997-1080i-QTREF-I-100-aiff.mov	00:00:10;00	1920×1080 29.9	7fps 9/16/2009 1 Quicktim	1 DV Video, 1 PCM Audio
2007 1080	54-DVCPRO100-2997-1080i-QTREF-I-100-wav.mov	00:00:10;00	1920×1080 29.9	7fps 9/16/2009 1 Quicktim	1 DV Video, 1 PCM Audio
- 2997_1000	54-DVCPRO100-2997-1080i-QTSELF-I-100-aiff.mov	00:00:10;00	1920×1080 29.9	7fps 9/16/2009 1 Quicktim	1 DV Video, 1 PCM Audio
- 2997_SD	54-DVCPRO100-2997-1080i-QTSELF-I-100-wav.mov	00:00:10;00	1920×1080 29.93	7fps 9/16/2009 1 Quicktim	1 DV Video, 1 PCM Audio
- 5994_720p	54-MPEG-2997-1080i-OP0TypeA-I-50-aiff.mxf	00:00:10;00	1920×1080 29.9	7fps 6/23/2009 1 MXF, Re	1 MPEG Video, 1 PCM Audio
💼 config	54-MPEG-2997-1080i-OP0TypeA-I-50-wav.mxf	00:00:10;00	1920×1080 29.93	7fps 6/23/2009 1 MXF, Re	1 MPEG Video, 1 PCM Audio
EDI	54-MPEG-2997-1080i-OP0TypeA-L-100-aiff.mxf	00:00:10;00	1920×1080 29.93	7fps 6/23/2009 1 MXF, Re	1 MPEG Video, 1 PCM Audio
555	54-MPEG-2997-1080i-OP0TypeA-L-100-wav.mxf	00:00:10;00	1920×1080 29.93	7fps 6/23/2009 1 MXF, Re	1 MPEG Video, 1 PCM Audio
-FCP	54-MPEG-2997-1080i-OP0TypeA-X-50-aiff.mxf	00:00:10;00	1920×1080 29.9	7fps 6/23/2009 1 MXF, Re	1 MPEG Video, 1 PCM Audio
+- omD201298	54-MPEG-2997-1080i-OP0TypeA-X-50-wav.mxf	00:00:10;00	1920×1080 29.93	7fps 6/23/2009 1 MXF, Re	1 MPEG Video, 1 PCM Audio
👀 ProDrive	54-MPEG-2997-1080i-OP1a-I-50-aiff.mxf	00:00:10;00	1920×1080 29.9	7fps 6/23/2009 9 MXF, E	1 MPEG Video, 1 PCM Audio
L test records	54-MPEG-2997-1080i-OP1a-I-50-wav.mxf	00:00:10;00	1920×1080 29.93	7fps 6/23/2009 1 MXF, E	1 MPEG Video, 1 PCM Audio
	54-MPEG-2997-1080i-OP1a-L-100-aiff.mxf	00:00:10;00	1920×1080 29.9	7fps 6/23/2009 1 MXF, E	1 MPEG Video, 1 PCM Audio
	54-MPEG-2997-1080i-OP1a-L-100-wav.mxf	00:00:10;00	1920×1080 29.9	7fps 6/23/2009 1 MXF, E	1 MPEG Video, 1 PCM Audio
	54-MPEG-2997-1080i-OP1a-LL-I-50-aiff.mxf	00:00:10;00	1920×1080 29.93	7fps 6/23/2009 9 MXF, E	1 MPEG Video, 1 PCM Audio
	54-MPEG-2997-1080i-OP1a-LL-I-50-wav.mxf	00:00:10;00	1920×1080 29.93	7fps 6/23/2009 1 MXF, E	1 MPEG Video, 1 PCM Audio
	54-MPEG-2997-1080i-OP1a-LL-L-100-aiff.mxf	00:00:10;00	1920×1080 29.93	7fps 6/23/2009 1 MXF, E	1 MPEG Video, 1 PCM Audio
	54-MPEG-2997-1080i-OP1a-LL-L-100-wav.mxf	00:00:10;00	1920×1080 29.9	7fps 6/23/2009 1 MXF, E	1 MPEG Video, 1 PCM Audio
	40 Clips				· · · · · · · · · · · · · · · · · · ·

Clip Management

### Summary

Paired with the Omneon server of your choice, ProDrive provides a complete solution to get you on air quickly and painlessly. Fast to set up and easy to learn and use, it is the ideal companion for your Spectrum or MediaDeck Server.

## **Understanding the ProDrive Overview Window**

When the ProDrive application starts, the Overview window displays. This window contains access to all ProDrive configured Players as well as Clip management.

The Overview window is arranged into different groups of controls and displays. From top to bottom, these are the Menu bar, the Players bar, and the Status Panel area.

Menu Bar	تع Omneon ProDrive:
Players Bar	Operation         drfl_5101_2700         drfl_5101_1000         drfl_51010_500         drfl_55210_2700         drfl_55210_2700         drfl_5000_500         ProDrive*           drfl_6,6101_7200         Scheduled Ingest: dirfl_6101_7200         Imagenetic         Imagenetic
Status panels	Scheduled Ingest: dir9_5301_1080i
	dr9_1016a_50
Configured Ports	Playout: dir10_5321b_1080i
	dr10_5221a_720           p
	dr10_1003a_50         Citp Prep: dir10_1003a_50
Free Space on Server	System VTC: 13:26:12:10 Cute: 9(24)(200) 13:26:12
System Timecode	

### **Status Panels**

As you configure Players in ProDrive, panels are added to the Overview window. The panels provide a quick status of all functions currently in operation in ProDrive.

VTR Ingest: XDCAMHD-50-108 Cueing to 00:58:40:20 [2/3] Ingesting: /fs0/clip.dir/temp/Auto-named	Shows the status of each port (OK, Error, or Warning) and a description of the state (idle, playing, or recording). When active, clip names and timecodes are also displayed. If the status is Error or Warning, a brief description of the problem is shown. For playout channels, the next clip (if any) is shown below the current clip.
	Indicates the process is idle.
	Indicates a normal operating condition.
Stop	Indicates record stop button. This button is only available for scheduled ingest.
	Indicates a Warning condition that requires user intervention. For example, in a Playlist, an item may be cued but the Take button needs to be clicked. In a VTR Ingest, the Warning may be issued when you need to change reels.
	Indicates an Error condition that requires user intervention. For example, in a Playlist, the clip for the next event may be missing. In a VTR Ingest, the Warning may be issued because an ingest failed to occur, or the ingest was invalid.
Storage: 44.9% Free	Shows the free space on the media server. This value is base on the configuration of the Players and is shown as a percentage of the total storage available.
System VITC:::	Shows the system timecode in HH:MM:SS:FF (hours:minutes:seconds:frames).
Date: 6/17/2009 6:59:05 PM	Shows the current date and time according to the media server.

### Table 1. Overview—Panels

### **Players Bar**

The Players bar, which appears at the top of the Overview window, provides access to all ProDrive functions. The Overview and Clip Management buttons always appear in the window. Other buttons, one for each configured Player, only appear after you configure that Player for a specific role of either Playout, VTR Ingest, Clip Prep, or Scheduled Ingest. The buttons can be configured with a name and graphic of your choice.

Overview	Displays the Overview window which provides access to all ProDrive configured Players as well as media management.
Clip Management	<ul> <li>Displays the Clip Management window which provides the following functions:</li> <li>Ability to view the server's file system</li> <li>Create, rename, move, copy, and delete directories</li> <li>Rename, move, copy, and delete clips</li> </ul>

Table 2.	Overview-	Default	Buttons
Table 2.	Overview—	Default	Button

### Menus

Table J. Overview—Internus	Table	3.	Ove	view-	-Menus
----------------------------	-------	----	-----	-------	--------

File	• Exit—closes ProDrive and exits the application.
Tools	<ul> <li>Configuration— opens a system setup window for ProDrive</li> <li>VTR Control—opens a VTR transport control window for VTRs connected to the PC serial com port(s)</li> <li>View Log—displays the event log at the bottom of the window.</li> </ul>
Help	• About—provides license and build information about the installed ProDrive release.

### **Overview List Buttons Sort Order**

The top row buttons, Overview List buttons, and Player configuration tabs display alphabetically based on the user defined name. Alphabetizing follows the standard Microsoft rules. For more details, go to: http://msdn.microsoft.com/en-us/library/bb759947(VS.85).aspx. Symbols sort in ASCII sort order and display before numbers in a list. See http://www.asciitable.com. See Table 4 for an example of the sorting order.

Table 4.	Overview-	-List Butto	ons Sorting	Order Exam	pie	
						-

The following items:	Are sorted as follows:	A standard string would sort as follows:
1984	3-D movies	007 James Bond
3M Company	3M Company	101 short stories
007 James Bond	007 James Bond	1984
101 short stories	101 short stories	3-D movies
600 new churches	600 new churches	3M Company
3-D movies	1984	600 new churches

# Locating the Latest Documentation on the Omneon Web Site

The latest product technical documentation, as well as information provided for older releases, is available at:

http://www.omneon.com/service-support/documentation.php

## **Technical Support**

Omneon provides many ways for you to obtain technical support. In addition to contacting your Distributor, System Integrator, or Omneon Account Manager, you can contact the Omneon Technical Support department as follows:

For support in the Americas:

- Telephone (Toll Free): +1(888) OVN SPT1 (686 7781)
- Telephone (Local): +1(408) 585 5200
- Fax: (408) 521 2191
- Email: support@omneon.com
- http://www.omneon.com/service-support
- ftp://ftp.omneon.com/Updates/Omneon/Current/

For support in Europe, Middle East, and Africa:

- Telephone: +44 1252 555 450
- Fax: +44 1252 377 171
- Email: emeasupport@omneon.com
- http://www.omneon.com/service-support
- ftp://ftp.omneon.com/Updates/Omneon/Current/

For support in Russia and CIS

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- Fax: +7 495 937 8290
- Email: RUsupport@omneon.com
- http://www.omneon.com/service-support
- ftp://ftp.omneon.com/Updates/Omneon/Current/

For support in Japan:

- Telephone: +81 3 5565 6737
- Fax: +81 3 5565 6736

- Email: japansupport@omneon.com
- http://www.omneon.com/service-support
- ftp://ftp.omneon.com/Updates/Omneon/Current/

For support in China (mainland):

- Telephone: +86 10 8391 3313
- Fax: +86 10 8391 3688
- Email: chinasupport@omneon.com
- http://www.omneon.com/service-support
- ftp://ftp.omneon.com/Updates/Omneon/Current/

For support in Asia Pacific (other territories):

- Telephone: +65 6671 1499
- Fax: +65 6671 1454
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- http://www.omneon.com/service-support
- ftp://ftp.omneon.com/Updates/Omneon/Current/

### **Company Address**

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# CHAPTER 2 Installing ProDrive

### In this Chapter

- System Requirements
- System Compatibility
- What Gets Installed
- Installing ProDrive
- About ProDrive Licensing
- About the Omneon Media API DLL and ProDrive

### **System Requirements**

Prior to installing ProDrive, your PC must conform to the following minimum requirements, and must be connected via Ethernet to your facility's LAN:

- 2.4 GHz Pentium 4 or equivalent CPU
- 256 megabytes (MB) of RAM
- 1 gigabyte (GB) hard drive, or the minimum required for your operating system
- At least 30 megabytes of free disk space
- Windows XP, or Windows Vista ®
- Display resolution should be set to 1024 x 768 minimum
- Network access to a media server and SystemManager PC
- A Sony RS 422-compatible VTR with at least 1 serial com port (for the VTR Ingest feature only)

### Cable Requirement for VTR Ingest

A VTR control cable is required to connect a VTR to MediaPorts associated with Players controlled by ProDrive. Omneon has qualified and validated the USB to RS-422 control cable available from Addenda Electronics for use with ProDrive. You can purchase the RS-USB/4 product directly from http://www.addenda.com/addenda-elect/products/rsUSB4.php or from other retailers.

# **System Compatibility**

ProDrive is compatible with Omneon Spectrum<sup>TM</sup> System software version 5.4 or later.

# What Gets Installed

The application consists of a ProDrive installer, packaged in a .zip file. The .zip file also include a PDF of this guide.

# **Installing ProDrive**

#### To install:

1. Log on to the computer on which you want to install ProDrive.

**NOTE:** During the installation process, an Omneon\ProDrive directory is created in the user's Application Data directory. You will need read and write permissions to this directory to complete the installation.

- 2. If you have not already done so, open the **ProDrive.zip** folder that you downloaded from the Omneon support Web site and extract the files using the password provided by Technical Support. Contact Technical Support for assistance.
- 3. Locate the **ProDrive-installer.exe** file icon.



4. Double-click the **ProDrive-installer.exe** icon to begin the installation.



5. Click Yes to continue.



6. Click **Next** and then follow the installation steps to install ProDrive.



7. Click the agreement radio button and then Next.



 Click Next to select the default destination location. By default, the application is installed to: C:\Program Files\Omneon\Prodrive for Windows XP C:\Program Files(x86)\Omneon\Prodrive for Windows 7



9. Click **Next** to create the shortcut key.



10. Click Finish when installation is complete.

# **About ProDrive Licensing**

When ProDrive is first installed, it will operate as an "Evaluation Copy". The evaluation copy allows you to view some of the screens and dialogs of the software. You must, however, install a license to be able to ingest, edit, or playout media clips.

If you wish to launch ProDrive for evaluation purposes and do not yet have a valid license, do the following:

- 1. Launch the ProDrive application. You may encounter three different messages if you don't have the correct configuration. Click **OK** in these message boxes and contact Harmonic for help:
  - 1. If you don't have a valid license, you will see:



2. If the Advantech driver is not installed, ProDrive will report an error upon start up. Either install the driver if GPI control is required, or, click the **Don't show this message again** message checkbox in the dialog window.



3. If the commedia.dll file cannot be located, you will see:



2. Click **OK**. The ProDrive Configuration window appears as shown below.

ProDrive Configuration		x
General Appearance		
Media Director IP (Control)		
Control IP Addresses:	Ad	d
		ete
		ere
	Edi	t
Samba IP Address:		
File System folders		
Root folder:	\	
Default folder:	\	
Timecode Display		
Display times as:	Timecode 👻	
Dropframe:		
Ingest Options		
Suffix Separator:	5	
Clip Name Pattern:	SP_SD-ST	
Default record duration:	01:00:00;00	
GPI Device		
USB-4751L,BID#0		
$\sim$		
Ì	<sup>∼</sup> Displays when GPI Device is connected	
	Device is connected.	
	ок	Cancel

Note: The GPI Device box displays when your computer is connected to a GPI Device.

If this is a new installation, the **Not Connected** message displays in the bottom right hand corner of the Overview screen. This occurs because the application cannot access the prodrive.cfg file, since it does not yet exist. Enter the Samba IP address of the Spectrum server and define the root directory, and then click **OK** to create the prodrive.cfg configuration file and to proceed with your evaluation.

### **Obtaining a Valid License**

ProDrive requires a valid license to operate the application. Typically, Omneon emails you a license file upon receipt of your order. If you experience difficulties obtaining the license file, contact Omneon **Technical Support**. Once you obtain the file, place it in the same directory as your copy of ProDrive. For example: C:\Program Files\Omneon\ProDrive. Ensure the license file ends in .lice and *not*.lic. For example: ProDrive\_license.lice. When you install a ProDrive license, the software will operate fully.

To determine if your version is correctly licensed, launch ProDrive and select **Help > About** from the Menu bar. The **About** box displays information about each license installed, together with their expiration dates



### About the Omneon Media API DLL and ProDrive

A copy of the Omneon Media API DLL (ommedia.DLL) is required to enable the Save As and Flatten features available in the ProDrive application. This DLL *is not packaged* in the ProDrive executable. If you do not have a copy of this DLL, the following error message appears when you attempt to log on to the application.

Warning	
	The Omneon Media API DLL cannot be located
	File "ommedia.dll" cannot be located. Some Clip Preparation functions, including clip resaving and flattening will be disabled.
	Contact support@omneon.com for access to the appropriate file for your installation.
	on't show this message again OK

To obtain a copy of the DLL, compatible with the Spectrum software version running on your system, contact Omneon **Technical Support**. Once you receive the file, save it to the location where ProDrive.exe is installed. The default location in Windows XP is C:\Program Files\Omneon\ProDrive. For Windows 7 it is C:\Program Files(x86)\Omneon\ProDrive.

Installing ProDrive



# CHAPTER 3 Configuring ProDrive

# In this Chapter

- Starting ProDrive
- Configuring a Media Server
- Limiting Access to the ProDrive Configuration Screens
- Customizing the Appearance of Events
- Assigning Roles to Players
- Disabling a Player for Use With ProDrive
- About Configuration and Log Files

# **Starting ProDrive**

#### To start:

1. Click **Start > Programs > Omneon > ProDrive**.

The Overview window opens.



**NOTE:** A **Not Connected** message appears in the bottom right corner of the window if ProDrive has not yet been configured. Proceed to **Configuring a Media Server** for instruction on how to configure the application.

NOTE: Running multiple instances of ProDrive on the same PC is not supported.

# **Configuring a Media Server**

Ensure the following is completed before configuring a media server for control by ProDrive:

- All Players and media servers must have valid reference. VITC is mandatory if your are running either playout or scheduled ingest, AND you have selected VITC reference as the time synchronization source for that Player role. During a crash record, having VITC (or any reference) available is not a requirement but it is recommended.
- All Players to be used by ProDrive must:
  - Be activated and their control set to Manual, VDCP or BVW. Refer to "Player Configuration" in the *Omneon SystemManager User's Guide* for step-by-step information.
  - Have "Last Frame Freeze" set to 0.
- "Clock Ref" VITC line values from within a media server configuration must be set correctly for your system.
- The "Time Zone" value from within a media server configuration must be set correctly for your system.

**NOTE:** Simultaneous control of Players using ProDrive and other controlling devices such as a DNF box is not recommended. A DNF box is not capable of controlling a ProDrive Playlist.

#### To configure the media server IP address:

1. From the Omneon ProDrive menu bar, click **Tools > Configuration**.

The ProDrive Configuration window opens to the General tab.

D ProDrive Configuration		×
General Appearance		
Media Director IP (Control)		
Control IP Addresses:	A	dd
		elete
	E	dit
Samba IP Address:		
File System folders		
Root folder: \		
Default folder: \		
Timecode Display		
Display times as: Timecode 🗨		
Dropframe: 📃		
Ingest Options		
Suffix Separator: S		
Clip Name Pattern: SP_SD-ST		
Default record duration: 01:00:00;00		
GPI Device		
USB-4751L,BID#0		
Displays when GPI Device is connected		
	ОК	Cancel

**NOTE:** Configuration window opens automatically if no file system/media director has been specified.

MediaDirector IP (Control)	Specifies the current name, DNS name, or IP address of the Omneon server hosts.
File System Folders:	
Root Folder	Shows the default folder where the source clips reside. This value defines the default path to which Clip Management will open. You cannot access areas of the file system that fall outside of the specified root folder. For example, if this is set to /fs0/clip.dir then you will only be able to browse to folders under /fs0/clip.dir, you will not be able to browse /fs0/xyz.
Default Folder	Specifies the path used during the first time the clip list is browsed. This value is used by The Clip Management screen and the Playout - Add Clips window. The value defined in the Capture to Folder is the default browse path for Clip Prep, Scheduled Ingest, and VTR Ingest. This can be set per player in the player specific tab. For all of the above scenarios, the last browsed to location is remembered for future access until the application is restarted. Once restarted, the defaults will once again be used.
Timecode Display	Specifies the timecode to display in ProDrive. The options are: <b>Timecode</b> —cause all time-related fields and readouts in the application to display the internal timecode of a clip. The top left time is "elapsed time" from SOM, shown as a "time count" rather than a timecode. The top right is remaining time (time count) until EOM. The center or main time is the real "Timecode". <b>Frame Counts</b> —causes all time-related fields and readouts in the application to display frame counts. The top left and right time become frame counts to/from EOM/SOM. The center or main time becomes frame count from the beginning of the physical clip. <b>Time Counts</b> —causes all time-related fields and readouts in the application to display a relative time count in which the starting point of a clip is always zero. The top left time is "elapsed time" from SOM, shown as a "time count". The top right is remaining time (time count) until EOM. The center or main time is the time count from the beginning of the physical clip (not the SOM). <b>Dropframe</b> —if enabled, controls the display of 29.97 or 59.94 timecodes when a Player is not involved, for instance in the display of clip durations in the media management screen. If a Player is involved (ie, when recording, or in a playout screen) then the drop-frame setting of the Player (from SystemManager) takes precedence. This should always be set to match that of the Player in SystemManager

Ingest Options See step # 6.	Ingest Options	See step # 6.
------------------------------	----------------	---------------

2. Click the **Add** button to the right of the Control IP Addresses box and enter the current name, DNS name, or IP address of the media server host.

Tip: Omneon recommends using the IP address of the media server instead of the DNS name.

3. Click OK.

To check a media server host's current name, click the Configuration tab in the SystemManager application. The name appears beside the small media server icon.

**NOTE:** Your system can have multiple MediaDirectors but they must all use the same filesystem. ProDrive must be associated with a media server host before it can be linked to a Player on that host.

If the connection is successful, new tabs are added to the ProDrive Configuration window for each Player configured on that media server.

**NOTE:** The number of Players you can control is limited by your ProDrive license. The maximum number of Players is six.

Direction ProDrive Configuration		X
General Appearance		
-Media Director IP (Control)-		
Control IP Addresses:		Add
		Delete
		Edit
Samba IP Address:		
File System folders		
Root folder:	X	
Default folder:	X	
Timecode Display		
Display times as:	Timecode 🔻	
Dropframe:		
Ingest Options		
Suffix Separator:	\$	
Clip Name Pattern:	SP_SD-ST	
Default record duration:	01:00:00;00	
GPI Device		
USB-4751L,BID#0		
	Displays when GPI	
	Device is connected.	
	ОК	Cancel
	UK	

4. Replace the Samba IP Address with the IP address of your file system.

NOTE: Each ProDrive installation can talk to only one filesystem at a time.

5. Specify the File System Root folder, Default Folder, and Timecode Display, as required.

**NOTE:** The File System Root Folder is generally fs0 and is case sensitive. This value defines the default path to which Clip Management will open. You can find this value on the Disk Utilities screen in the SystemManager application.

**Tip:** Whenever you need to enter a folder name, use the "..." button to open a dialog to browse to available folders. This avoids problems with directory case-sensitivity.

6. Specify the **Ingest Options** including **Suffix Separator**, **Clip Name Pattern**, and **Default Record Duration**.

Ingest Options	<ul> <li>Shows the following ingest options:</li> <li>Suffix Separator—When ProDrive creates new media clips, it may append a number to clip names to distinguish multiple attempts to create the clip. Use this option to separate a number appended by ProDrive from the parent clip name. For example, if you try to ingest MYCLIP several times with a suffix of "-", then files MYCLIP, MYCLIP-1, MYCLIP-2 will be created.</li> </ul>
	<b>Note:</b> For clip names which end in a number, a new media clip will get a name which increments the last number of the parent clip; the clips will not have suffix separators. For example, if you try to ingest SPORT1 several times, files SPORT2, SPORT3, SPORT 4 etc will be created, assuming that SPORT2, SPORT3, and SPORT4 do not already exist.
	<ul> <li>Clip Name Pattern—Use for crash record only. The default pattern is \$P_\$D_\$T_1, where \$P is the current Player name, \$D is the current date (dd-mmm-yy), and \$T is the current time (hhmmss). Edit this pattern, if required, using any combination of Unicode characters. Refer to About the Automatic Renaming of Sub Clips Using Clip Patterns for additional information.</li> <li>Default record duration—shows the default record duration for all crash record events across all channels in the format hh:mm:ss:ff.</li> </ul>
GPI Device	<ul> <li>Supports the Advantech 4751L 50pin to USB external device (P/N: USB-4751L-AE, http://www.advan- tech.com/products/USB-4751L/mod_ABF6F937-9C73- 4198-B3ED-D97A611482C8:aspx.</li> <li>For more information see GPI Triggers.</li> </ul>

7. Click **OK**.

# Limiting Access to the ProDrive Configuration Screens

ProDrive Configuration screens are, by default, openly accessible and configurable by any user of the ProDrive application. However, password protection can be applied to the ProDrive Configuration screens using the Windows Registry Editor. Once a password is set, users who attempt to access the Configuration screen will be prompted to enter a password before gaining access.

#### To set a password:

- 1. Ensure you have installed ProDrive version 1.1 or later.
- 2. In Windows, click on **Start** > **Run**.
- 3. Enter regedit in the text field.
- 4. Click **OK**.

The Registry Editor window opens.

💣 Registry Editor				_ 🗆 🗙
File Edit View Favorites Help				
File       Edit       View       Favorites       Help         HKEY_CLASSES_ROOT       HKEY_CLASSES_ROOT         HKEY_CURRINT_USER         HKEY_LOCAL_MACHINE         HKEY_LOCAL_MACHINE         HARDWARE         SAM         SECURITY         SOFTWARE         Adobe         Adobe         Adobe         Adobe         Adobe         Apple Computer, In-         Apple Inc.         Brother         Classes         Clients         COHMON         Conexant	Name Ty	vpe :G_5Z	Data	
	<			

5. Navigate to:

My Computer > HKEY\_LOCAL\_MACHINE >SOFTWARE > Omneon > ProDrive > Config (for Windows XP)

Computer > HKEY\_LOCAL\_MACHINE > SOFTWARE > Wow6432Node > Omneon > ProDrive > Config (for Windows 7)

- 6. In the right hand panel, right click and select **New > String Value**.
- 7. Type Password and then press Enter.

8. Double click Password.

An Edit String dialog opens.

Edit String	? 🛛
Value name:	
Password	
Value data:	
	OK Cancel

- 9. In the Value data: enter a password of your choice.
- 10. Click **OK**.
- 11. Close the Registry Editor

#### To verify or edit an existing password:

- 1. Open a Registry Editor Window.
- 2. Navigate to:

My Computer > HKEY\_LOCAL\_MACHINE >SOFTWARE > Omneon > ProDrive > Config (for Windows XP)

Computer > HKEY\_LOCAL\_MACHINE > SOFTWARE > Wow6432Node > Omneon > ProDrive > Config (for Windows 7)

3. In the right hand panel, view the existing password in the data column as shown below.

💣 Registry Editor					
File Edit View Favorites Help					
My Company Name	^	Name	Туре	Data	
1.00.0000		• (Default)	REG_SZ	(value not set)	
		a Password	REG_SZ	dogbone	
📄 🧰 ProDrive					
Config					
🕀 🧰 ParetoLogic					
🗈 🛄 Pixel Power Ltd	~				
	>	<	1111		>
My Computer\HKEY_LOCAL_MACHINE\SOFTWARE\Omneon\ProDrive\Config					

Edit the password by double-clicking password and revising the text in the Value data field as shown below.

Edit String	? 🛛
Value name:	
Password	
Value data:	
dogbone3	
	OK Cancel

4. Click **OK**. to save any changes.

#### To check if a password has been set:

- 1. Open a Registry Editor Window.
- 2. Navigate to:

My Computer > HKEY\_LOCAL\_MACHINE >SOFTWARE > Omneon > ProDrive > Config (for Windows XP)

Computer > HKEY\_LOCAL\_MACHINE > SOFTWARE > Wow6432Node > Omneon > ProDrive > Config (for Windows 7)

If a password has been set, it appears in the data column of the right hand panel. If a password is not set, the data column for password is blank as shown below.

💣 Registry Editor				
File Edit View Favorites Help				
Config ParetoLogic Pixel Power Ltd Policies Program Groups Quadralay RegisteredApplications Program Motion Schlumberger Schlumberger	Name (Default) ဆဲျPassword	Type REG_SZ REG_SZ	Vata (value not set)	
	<	Ш		>

### **Customizing the Appearance of Events**

ProDrive assigns default colors to event status, types, and durations so these parameters can be easily distinguished in the ProDrive interface. If desired, you can assign your own color preferences to these Events.

#### To customize:

1. From the Omneon ProDrive menu bar, click **Tools > Configuration**.

The ProDrive Configuration window opens.

2. Click the **Appearance** tab.

🕿 ProDrive Confi	guration	Σ
General Appearance	Player dir9_6101_	_720p 🛛 Player dir9_5301_1080i 🗍 Player dir9_1010a_SD 🗍 Playe
Event Status		
Cu	irrent  🗐	Invalid
	Cued 🧐	Pending 📃 🛞
R	teady  🗐	Disabled 🛛 🗐
W	aiting  🗐	
Pl	aying  🗐	Completed - ERROR
Event Types		
Manual Er	vents 😰	Hard-timed Events
Auto E	vents  🗐	
Event Duration		
Truncated E	vents  🗐	
		OK Cancel

### Table 5. ProDrive Configuration—Appearance Tab

Event Status	Current (VTR Ingest)	The clip which is currently being ingested from tape to server.
	Cued (Playlist)	The clip or file specified is cued for playout.
	Ready	The clip has been loaded onto the media server timeline.
	Waiting	The clip or file is hard-timed but has not yet reached its start time.
PlayingThe clip oInvalidThe clip o		The clip or file specified is currently playing out
		The clip or file specified is invalid or missing.
Pe	Pending	The clip or file is scheduled to play, but is not yet playing and not yet pre-loaded for playing.
Disabled		The Event specified has been disabled for use.
	Completed	The clip or file specified has successfully finished playing out or ingesting.
	Completed - Error	The clip or file specified has finished playing with errors.

Event Types	Manual Events	The clip or file specified will be started manually.	
	Auto Events	The clip or file specified will start .	
	Hard-timed Events	The clip or file specified will start at the specified time.	
Event Duration	Truncated Events	The clip or file specified has been truncated by a following hard-timed event.	

Table 5. ProDrive Configuration—Appearance Tab (Continued)

- 3. Choose the **Event Status**, **Event Types**, or **Event Duration** you want to change.
- 4. Click the **Paint** icon: 🗐.



- 5. Select the color you want to assign.
- 6. Click **OK**.
- 7. When you are done assigning colors to Events, click **OK**.

# **Assigning Roles to Players**

ProDrive can control Players that have been configured in the Omneon System Manager application. Each Player can be configured in ProDrive to function in one of the following roles:

- None—Disables the Player for use by ProDrive.
- **Playout**—Enables the Player for automated clip playout. See **Playing Out Clips** for more information.
- VTR Ingest—Enables the Player for VTR Ingest operations from VTRs. See Performing a VTR Ingest for more information.
- Scheduled Ingest—Enables the Player for scheduling ingests at specified times and dates. See **Performing a Scheduled Ingest** for more information.
- **Clip Preparation**—Enables the Player for previewing and editing of media clips. See **Preparing Clips** for more information.

ProDrive is available in one to six channel versions. The six channel version enables any combination of in/out ports that the hardware supports.

# **Disabling a Player for Use With ProDrive**

#### To disable:

1. From the Omneon ProDrive menu bar, click **Tools > Configuration**.

The ProDrive Configuration window opens.

- 2. In the toolbar, click a **Player** tab.
- 3. Select the **None** option.

ProDrive Configuration	×
Player XDCAMHD-50-1080i60_4 Player XDCAMHD-50-1080i60_3 Player XDCAMHD	)-50- < >
Role	
None	
VTP Ingest	
Scheduled Ingest	
Clip Preparation	
Name	
Name to appear on Button	
Channel Logo	
Clea	r Logo
	llogo
	rtogo
ОК	Cancel

Table 6. ProDrive Configuration—Player Tab

Role	Selects the role assigned to the Player. Refer to Assigning Roles to Players.
None	Disables the Player for use by ProDrive.
Name	(Optional) Assigns a name to the button that appears in the Overview Window, as well as the button that appears in the top row of buttons. The default name is the one configured using SystemManager.
Channel Logo	(Optional) Assigns a logo (in png. format) to the button that represents this Player. The logo appears in the Overview window as well as the top row of buttons. Click <b>Load Logo</b> to use a logo; click <b>Clear Logo</b> to remove it. Note that all images are resized to 48 x 48 pixels. Supported file types include .bmp, .ipgtif. and .png.

4. Click OK.
## **About Configuration and Log Files**

Once you configure the ProDrive software, the application creates a configuration file (prodrive.cfg) and a directory for each configured Player/channel. This file, and all log files for the application, resides in the user's Application Data Directory.

If ProDrive was installed by the user "Administrator" then the following path is created and used by the executable: C:\Documents and Settings\Administrator\Application Data\Omneon\ProDrive

**NOTE:** Folder locations are specific to the operating system and language in use. In Windows Vista®, for example, the typical folder used is C:\Users\<username>\AppData\Roaming\Omneon\ProDrive.

If a different user, such as "Joe" then logged on to the same PC and launched ProDrive, the version of ProDrive that opens will not be configured for any MediaDirectors or Players. This is normal behavior since the application was looking for a configuration file in C:\Documents and Settings\Joe\Application Data\Omneon\ProDrive

**Tip:** Since the configuration file is not shared, each user must configure their own system. Omneon recommends you login to the PC as an administrator, install and configure the application, and then copy the prodrive.cfg file to each users Application Data\Omneon\Prodrive directory.

Configuring ProDrive



# CHAPTER 4 Performing a VTR Ingest

## In this Chapter

- Overview
- Enabling a Player for VTR Ingest
- Configuring a COM Port for VTR Control
- Understanding the VTR Ingest Window
- Understanding the VTR Ingest List
- Managing VTR Ingest Lists
- Managing Clips in VTR Ingest Lists
- Managing a VTR Ingest

### **Overview**

VTR Ingest capabilities allow you to capture content from your tapes while simultaneously controlling the source VTR via serial protocol. In addition, you can create an ingest list based on the content of a tape, and then capture and digitize all marked sections from that tape. This feature captures content from multi-segment tapes, and also handles long-form content that spans multiple tapes. Ingest lists can also be created in external applications and imported into ProDrive.

## **Enabling a Player for VTR Ingest**

Before enabling a Player for VTR Ingest, do the following:

- Using SystemManager, ensure the Player is configured for Play and Record, or Record.
- Connect a serial com port on the PC where ProDrive is installed to an RS-422 remote control port on a VTR. Refer to **Cable Requirement for VTR Ingest** for information about obtaining the recommeded cable.
- Make sure the VTR and MediaPort have matching reference black.
- Connect the SDI out of the VTR to the SDI in on the MediaPort.

#### To enable:

1. From the Omneon ProDrive menu bar, click **Tools > Configuration**.

The ProDrive Configuration window opens.

- 2. In the Configuration window, click the desired Player's tab.
- 3. Select the **VTR Ingest** option.

ProDrive Configura	ation				×
General Appearance	Player 5301-A	Player 5301-B	Player 5321-A	Player 5321-	В
Role					
None Playout					
VTR Ingest					
Scheduled Ingest					
Name	Du state en				
Name to appear on	Button				
Channel Logo				_	
				Cl	ear Logo
				Lo	ad Logo
VTR Control					
Seri	al Port:	-			
Tape Preroll (se	conds): 2				
Fiert	tape: 🔽				
Default folder for in	nest				
Capture to	folder: \fs0\ProD	rive			
- Transt with horse					
Handle duration (see	ronds): 10	*			
Thankie Gulation (see	201103).	¥			
				ОК	Cancel

Table 7. ProDrive Configuration—Player Tab

Role VTR Ingest	Enables the Player for VTR Ingest operations from video tape recorders.
Name	(Optional) Assigns a name to a button that represents a Player in playout or ingest roles. The button appears in the Overview window. The default name is the one configured in Omneon SystemManager.
Channel Logo	(Optional) Assigns a logo to the button that represents this Player. The logo appears in the Overview window. Click <b>Load Logo</b> to use a logo; click <b>Clear Logo</b> to remove it. Note that all images are resized to 48 x 48 pixels. Supported file types include .bmp, .jpg, .tif, and .png.
VTR Control Serial Port	Choose the serial port through which ProDrive will control this VTR.
Tape Preroll	Select the number of seconds for the tape to roll before the inpoint.

Eject Tape	This option is checked by default. You can de-select this option to configure the system to not eject the tape after the last ingest completes.
Default folder for Ingest Capture to folder	Specifies the folder where the ingested clips are captured. If no value is defined here, then the <b>Default folder for Ingest</b> value defined on the General Tab will be used.
Ingest with Handles	Select this parameter if you want to have the cut ingested with additional content before the inpoint and after the endpoint. The copy will still play from in point to out point, but adding handles lets you widen the clip duration at a later time.
Handle Duration (seconds)	Specifies a value, in seconds, for the handle length.

 Table 7. ProDrive Configuration—Player Tab (Continued)

- 4. Configure the parameters you want.
- 5. Click **OK**.

Buttons appear in the ProDrive toolbar representing the Player you have configured for VTR Ingest.

## **Configuring a COM Port for VTR Control**

ProDrive can be configured to control a single VTR for either a specific Player, or for general use, not tied to a specific channel. Follow these steps to do either:

1. Connect the VTR's remote control cable to a COM port on the PC.

NOTE: This can be a serial COM port, or the USB connection if you have a USB to Serial dongle.

- 2. Enable the remote button on the VTR.
- 3. Determine if the VTR is going to be a general use VTR, or used for the specific purpose of VTR ingest, for example the Player's Role is configured for VTR Ingest.

**For general use (not tied to a specific channel ):** Go to **Tools** > **VTR Control** and select the COM port connected to the VTR. A VTR control panel opens.

For a Specific Player: Go to Tools > Configuration > Player Tab > VTR Control/Serial Port.

**NOTE:** Multiple VTRs connected to multiple COM ports are suppored; each can be assigned to a different Player, or for general use.

**NOTE:** The Tools/VTR Control function cannot be used to control a VTR already assigned to a ProDrive VTR Ingest channel.

## **Understanding the VTR Ingest Window**

The VTR Ingest window is arranged into different groups of controls and displays. From top to bottom, these are the Players area, Clip Status area, Transport controls, Jog/Shuttle dial, Cue to Timecode controls, Clip Trim controls, and a VTR Ingest List panel that contains clips for ingest. A Button bar is provided on the left side of the window.



### Controls

#### Table 8. VTR Ingest—Controls

VTR Ingest: XDCAMHD-50-108 Cueing to 00:58:40:20 [2/3] Ingesting: /fs0/clip.dir/temp/Auto-named	Shows the name of the Player and current status of the ingest process: Idle, Cueing to, or [1/N] Ingesting.
	Indicates the process is idle.
	Indicates a normal operating condition.

	Indicates a Warning condition that requires user intervention. For example, in a Playlist, an item may be cued but the Take button needs to be clicked. In a VTR Ingest, the Warning may be issued when you need to change reels.
	Indicates an Error condition that requires user intervention. For example, in a Playlist, the clip for the next event may be missing. In a VTR Ingest, the Warning may be issued because an ingest failed to occur, or the ingest was invalid.
Playing 01:33:13;22	Shows the current timecode location of the clip HH:MM:SS:FF (hours:minutes:seconds:frames) during playout. Also shows the transport status of the VTR in the upper right corner. If this timecode is displayed, then you have successful communication with the VTR via the serial port. <b>NOTE:</b> Note that this is VTR timecode and not server timecode.
	(Rewind) Plays the VTR in reverse.
	(Stop) Stops the playback of the VTR.
	Plays (pauses) the VTR.
	Plays the VTR.
	(Fast Forward) Plays the VTR forward at 2x.

Table 8. VTR	Ingest—Controls	(Continued)
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	<ul> <li>Enables manual control of tape by moving the Jog/Shuttle dial as follows:</li> <li>moving the dial to the left changes the clip's current speed to the next faster reverse speed.</li> <li>moving the dial to the right changes the clip's current speed to the next faster forward speed.</li> <li>The following transport speeds are supported, as multiples of normal forward play: -32, -16, -8, -4, -2, -1, -1/2, -1/4, -1/16, -1/32, 0, 1/32, 1/16, 1/8, 1/4, 1/2, 1, 2, 4, 8, 16, 32.</li> <li>moving the dial to the left or the right by one click jogs forward or backward, one frame at time.</li> <li>clicking and holding the dial for a couple of seconds switches between jog and shuttle mode.</li> </ul>
:: Cue	Cues the VTR to the specified timecode. Enter the timecode values in the fields provided, then press the <b>Cue</b> button.
Off Var. Play	Modifies performance of Jog/Shuttle and JKL keys to use slower speeds for fine control. Shuttle control now runs at max +/- 2x speed.
Clip Trim Controls 00:00:03;28 Mark Cue Clear Duration: 01:33:20;23 01:33:24;20 Mark Cue Clear Duration: 01:33:20;23	<ul> <li>Mark [IN Point], Mark [OUT Point]— These two buttons set the inpoint and outpoint of the material on the tape which you want ingested. Once ingested, the clip's SOM and EOM are set to match these frames. Clicking a Mark button sets that point on the VTR's current frame. Both the inpoint and outpoint are <i>inclusive</i>; the frames thus marked are the first and last frames to be shown during clip playback.</li> <li>Cue [IN Point], Cue [OUT Point]— These two buttons cue to the in point or outpoint of the VTR/tape.</li> <li>Clear [IN Point], Clear [OUT Point]— Clicking a Clear button clears the corresponding marked point.</li> <li>Duration — Shows the duration of the tape segment between the inpoint (SOM) and outpoint (EOM).</li> </ul>

Table 8. VTR Ingest—Controls (Continued)

### **Buttons**

New Ingest List	Clears the current VTR Ingest list from the VTR Ingest List panel.
Open Ingest List	Opens an existing VTR Ingest list in the VTR Ingest List panel.
Save Ingest List	Saves the current batch list using the default name batchlist.ale.
Save As	Saves the current VTR Ingest list to a directory and name of your choice.
Run Ingest List	Runs the VTR Ingest list currently loaded in the VTR Ingest List panel.
Reset List	Resets the VTR Ingest list to the beginning.
Crash Record	Puts the MediaPort in record mode and begins recording whatever signal is currently going to the SDI IN of that port. The port used is the same as the port configured for this role; in this case, VTR ingest. Crash records can be configured to run for a specified duration, creating a clip on your media server, and clips can be scheduled for playout on another port while being recorded.

Table 9.	VTR	Ingest—Buttons
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### Menus

File	Exit—closes ProDrive and exits the application.
Tools	<ul> <li>Configuration—configures ProDrive.</li> <li>VTR Control—opens a VTR transport control window for VTRs connected to the PC serial com port(s).</li> <li>View Log—displays the event log at the bottom of the window.</li> </ul>
Help	About—provides information about the ProDrive release.

## **Understanding the VTR Ingest List**

A VTR Ingest list is based on the content of a tape and contains the following information:

- Heading
- Video format
- FPS
- Tape number
- Start time
- End time
- Duration
- Track number
- Name

VTR Ingest lists use the Avid Log Exchange (ALE) format. Lists can be created in ProDrive or in an external applications and imported into ProDrive. You can create them with a text editor and save them with a .ale extension.

The following illustration shows an example of a VTR Ingest list.

Headir FIELD_ VIDEO_ FPS	ig DELIM FORMAT 29.97	TABS NTSC					
Columr Tape	Start	End	Duration	Track	Name		
Data 101 101 101 101 101 102 102 102 102 102	01:17:0 01:17:2 01:17:5 01:19:1 01:19:4 01:17:0 01:17:2 01:17:5 01:19:1 01:19:4	01;16 28;01 22;12 8;02 8;12 1;16 28;01 52;12 .8;02 8;02 8;12	01:17:17;20 01:17:44;06 01:18:34;07 01:19:41;10 01:19:54;24 01:17:17;20 01:17:144;06 01:18:34;07 01:19:41;10 01:19:54;24	00:00:1 00:00:2 00:00:4 00:00:2 00:00:1 00:00:1 00:00:4 00:00:2 00:00:0	.6;05 .6;06 1;24 23;09 96;13 .6;05 .6;06 1;24 23;09 96;13	VA1A2 VA1A2 VA1A2 VA1A2 VA1A2 VA1A2 VA1A2 VA1A2 VA1A2 VA1A2 VA1A2 VA1A2	/FS0/ProDrive/Batch/Anna and the king seg 10 /FS0/ProDrive/Batch/Anna and the king seg 11 /FS0/ProDrive/Batch/Anna and the king seg 12 /FS0/ProDrive/Batch/Anna and the king seg 13 /FS0/ProDrive/Batch/Anna and the king seg 14 /FS0/ProDrive/Batch/Anna and the king seg 16 /FS0/ProDrive/Batch/Anna and the king seg 17 /FS0/ProDrive/Batch/Anna and the king seg 17 /FS0/ProDrive/Batch/Anna and the king seg 18 /FS0/ProDrive/Batch/Anna and the king seg 18

## **Managing VTR Ingest Lists**

This section provides the following procedures:

- Creating VTR Ingest Lists
- Opening VTR Ingest Lists
- Clearing VTR Ingest Lists

### **Creating VTR Ingest Lists**

#### To create a VTR Ingest list:

1. From the Omneon ProDrive toolbar, click the Player configured for VTR Ingest.



- 2. Do the following:
  - a. On the Transport controls, click Play.

The tape begins to play.

- b. Using a monitor, watch the tape and determine the inpoint and outpoint for this clip.
- c. Using the In Point and Out Point controls, mark the inpoint and outpoint for this clip.
- 3. Repeat step 2 for each clip you want to add.

**NOTE:** You can use the Transport controls, Jog/Shuttle dial, and Cue to Timecode tools to locate the time or frame you want to mark in the clip.

- 4. On the Transport controls, click Stop.
- 5. When you are done, click **Save Ingest List** using a name and directory of your choice. Retain the .ale file extension.

### **Opening VTR Ingest Lists**

#### To open a VTR Ingest list:

1. From the Omneon ProDrive toolbar, click the Player configured for VTR Ingest.



2. In the VTR Ingest window button bar, click Open Ingest List.

The Open Ingest List File window opens.

Open Ingest Lis	ət file 🔹 💽 🔀
Look in:	🔁 batch lists 💽 🌀 🏂 🗁 🛄 -
My Recent Documents Desktop My Documents	III anna and the king (SD).ale IIII batchlist.ale IIII cali shots.ale IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
My Computer	File name:     Ist3.de     Open       Files of type:     Avid ALE files (".ale)     Cancel       Open as read-only

- 3. Select the VTR Ingest list you want.
- 4. Click OK.

The VTR Ingest list is loaded in the VTR Ingest List panel.

### **Clearing VTR Ingest Lists**

#### To clear a VTR Ingest list:

1. From the Omneon ProDrive toolbar, click the Player configured for VTR Ingest.



2. In the VTR Ingest window button bar, click **New Ingest List**. A confirmation dialog appears. Click **Yes** to clear the Ingest List.

## Managing Clips in VTR Ingest Lists

This section provides the following procedures:

- Adding Clips to a VTR Ingest List
- Editing Clips in a VTR Ingest List
- Deleting Clips from a VTR Ingest List
- Cueing Clips in a VTR Ingest List

### Adding Clips to a VTR Ingest List

#### To add clips to a VTR Ingest list:

1. From the Omneon ProDrive toolbar, click the Player configured for VTR Ingest.



2. Right-click the VTR Ingest List panel and select New Clip.



The Add Event window opens.

Add Event	×
Clip Name Folder  //s0  Capture section In Point Duration Duration	OK Cancel

- 3. In the **Clip Name** field, enter a name for the clip.
- 4. In the Folder field, browse to the folder where the clip will be saved.
- 5. In the **Reel** field, enter the reel number.

Use this field if the clip is part of a VTR Ingest list that spans multiple reels.

6. In the Capture section, enter the In Point and Out Point for the clip.

The duration is calculated for you.

7. Click **OK**.

The clip is added to the VTR Ingest List panel.

- 8. Repeat steps 1 through 7 for each clip you want to add to the VTR Ingest list.
- 9. When you are done, click **Save Ingest List** using a name and directory of your choice. Retain the .ale file extension.

### **Editing Clips in a VTR Ingest List**

#### To edit a clip in a VTR Ingest list:

1. From the Omneon ProDrive toolbar, click a Player configured for VTR Ingest.



2. Right-click the clip you want in the VTR Ingest List panel and select Edit Clip.

The Edit Event window opens.

Edit Event	
Clip Name  Folder  Folder  Folder  Reel	OK Cancel
Capture section In Point Out Point Duration	

- 3. In the **Clip Name** field, enter a name for the clip.
- 4. In the **Folder** field, browse to the folder where the clip will be saved.
- 5. In the Reel field, enter the reel number if the clip is part of a VTR Ingest list that spans multiple reels.
- 6. In the Capture section, enter the In Point and Out Point for the clip.

The duration is calculated for you.

- 7. Click **OK**.
- 8. When you are done, click **Save Ingest List** using a name and directory of your choice. Retain the .ale file extension.

### **Deleting Clips from a VTR Ingest List**

#### To delete a clip from a VTR Ingest list:

1. From the Omneon ProDrive toolbar, click a Player configured for VTR Ingest.



2. Right-click the clip you want in the VTR Ingest List panel and select **Delete Clip** or press Delete on your keyboard.

NOTE: No confirmation is required to delete a clip.

3. When you are done, click **Save Ingest List** using a name and directory of your choice. Retain the .ale file extension.

## **Cueing Clips in a VTR Ingest List**

The Cue Clip function cues the VTR to the current time in the selected clip.

#### To cue a clip in a VTR Ingest list:

1. From the Omneon ProDrive toolbar, click the Player configured for VTR Ingest.

📧 Omneon ProD	rive						
<u>Eile T</u> ools <u>H</u> elp							
Overview	Clip Management dir9_5301_1080i					Z F	Omneon° ProDrive™
New Togest List	VTR Ingest: dir9_5301_1080i 🛛 📉	Reel	In	Out	Duration	Name	Status
New Ingest List	Idle		00:58:26:06	00:58:29:24	00:00:03:18	/fs0/clip.dir/temp/p401	
Open Ingest List			00:58:42:19	00:58:45:20	00:00:03:01	/fs0/clip.dir/temp/Auto-nar	med
			00:58:51:02	00:58:53:17	00:00:02:15	/fs0/clip.dir/temp/Auto-nar	ned
Save Ingest List			;;	::	::	Auto-nameo	
Run Ingest List Reset List Crash Record							
	Mark Cue Mark Cue						
Storage: 44	ours free				S)	stem VITC::: Date	e: 6/17/2009 6:53:06 PM

2. Right-click the clip you want in the VTR Ingest List panel and select Cue Clip.

## Managing a VTR Ingest

This section explains how to perform the following procedures:

- Running a VTR Ingest
- Skipping to the Next Clip
- Stopping a VTR Ingest

### **Running a VTR Ingest**

#### To run a VTR Ingest:

1. From the Omneon ProDrive toolbar, click a Player configured for VTR Ingest.



- 2. Create or open a VTR Ingest list. The VTR Ingest list is loaded in the VTR Ingest List panel
- 3. In the VTR Ingest window button bar, click **Run Ingest List**.

ProDrive begins the ingest process.

4. If multiple reels are required, the current reel is ejected and you will be prompted to insert the next reel in a multi-reel ingest.

					20	MALEON
view Clip Management 1010A-2700						JMNEOF
	_				PI	obrive
Igest List VTR Ingest: 1010A-2700	Reel	In	Out	Duration	Name	Status
Walting for Reel "101"	101	01:17:01;16	01:17:17;20	00:00:16;05	Anna and the king seg 10	Current
[1/10] Ingesting: Anna and the king seg 10	101	01:17:28;01	01:17:44;06	00:00:16;06	Anna and the king seg 11	
Please insert Reel "101"	101	01:17:52;12	01:18:34;07	00:00:41;24	Anna and the king seg 12	
OK Abort	101	01:19:18;02	01:19:41;10	00:00:23;09	Anna and the king seg 13	
As No Ta:	101	01:19:48;12	01:19:54;24	00:00:06;13	Anna and the king seg 14	
01.10.11.10	102	01:17:01;16	01:17:17;20	00:00:16;05	Anna and the king seg 15	
pest list 01:18:11;19	102	01:17:20;01	01:17:44;05	00:00:16;06	Anna and the king seg 16	
	102	01:10:10:02	01:10:41:10	00:00:23:09	Anna and the king seg 17	
	102	01-10-40-12	01-10-54-24	00-00-06-13	Anna and the king seg 10	
	102	01:19:40;12	01119:54;24	00.00.00,15	Anna and the king seg 19	
Mark Cue Mark Cue						

- 5. Insert the next tape and click **OK**.
- 6. To complete the VTR Ingest process, allow all clips to be ingested.

When the process is done, ProDrive will eject the tape in the VTR, and the status will return to Idle.

#### **Skipping to the Next Clip**

#### To skip to the next clip in a VTR Ingest:

- 1. From the VTR Ingest window, click Skip.
  - If the ingest of the current clip has not yet begun, the current event will be skipped and the remaining items in the list will be ingested.
  - If the the ingest of the current clip has already begun, the ingest will stop, the partial clip will be deleted from the server, and the remaining items will be ingested.

#### **Stopping a VTR Ingest**

#### To stop a VTR Ingest:

• From the VTR Ingest window, click Abort.

The VTR Ingest process stops and the VTR status changes to Idle.

### **Rerunning a VTR Ingest**

#### To rerun a VTR Ingest:

1. From the VTR Ingest window, click **Reset List**.

The list status clears, as if it had never run.

2. Click Run Ingest

The ingest process begins. If the clip name is alrady present at the specified location on the server, it will not be reingested and the status will show invalid; the event will be skipped.

**NOTE:** To reingest material such as replacing a clip, go to **Clip Management** and delete the old clip first before rerunning the ingest.

Performing a VTR Ingest



# CHAPTER 5 Performing a Scheduled Ingest

ProDrive's schedule management features enables users to view, edit, and create new scheduled record items at any time of day, for any duration. At the specified time, your media server will switch to record mode and capture your desired content.

The following topics are covered in this chapter:

- Understanding the Scheduled Ingest Window
- Enabling a Player For Scheduled Ingest
- Managing Scheduled Ingest Lists
- Managing Scheduled Ingest Events

## **Understanding the Scheduled Ingest Window**

The Scheduled Ingest window is arranged into different groups of controls and displays. From top to bottom, these are the Players Area and Clip Status Area. A Button bar is provided on the left side of the window. The Scheduled Ingest List panel is on the right.



### Controls

Scheduled Ingest: XDCAMHD-50-10	Shows the name of the Player and current status of the ingest process: Idle, Cueing to, or [1/N] Ingesting.
	Indicates the process is idle.
	Indicates a normal operating condition.
	Indicates a Warning condition that requires user intervention. For example, in a Playlist, an item may be cued but the Take button needs to be clicked. In a VTR Ingest, the Warning may be issued when you need to change reels.

Table 11. Scheduled Ingest—Controls

	Indicates an Error condition that requires user intervention. For example, in a Playlist, the clip for the next event may be missing. In a VTR Ingest, the Warning may be issued because an ingest failed to occur, or the ingest was invalid.
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Table 11. Scheduled Ingest—Controls (Continued)

#### **Buttons**

Table 12. Scheduled Ingest—Buttons

New Schedule	Clears the current scheduled ingest list from the Scheduled Ingest List panel.
Open Schedule	Opens an existing scheduled ingest list in the Scheduled Ingest List panel.
Save Schedule	Saves the current scheduled ingest list to a directory and name of your choice.
Crash Record	Puts the MediaPort in record mode and begins recording whatever signal is currently going to the SDI IN of that port. The port used is the same as the port configured for this role; in this case, Scheduled ingest. Crash records can be configured to run for a specified duration, creating a clip on your media server.

### Menus

Table 13. Scheduled Ingest—Menu	Table 13.	Scheduled Ingest—Me	nus
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File	<ul> <li>New Schedule—clears the Scheduled Ingest panel enabling you to load a new ingest list.</li> <li>Open Schedule—opens a Scheduled Ingest List.</li> <li>Save Schedule—saves the current loaded Scheduled Ingest List using the name and directory of your choice.</li> </ul>
Edit	<ul> <li>New Event—creates a new event.</li> <li>Delete Event—deletes the selected event from the Playlist panel.</li> <li>Edit Event—edits the selected event.</li> </ul>
Tools	<ul> <li>Configuration—configures ProDrive.</li> <li>VTR Control—selects the COM through which ProDrive communicates with the VTR.</li> <li>View Log—displays the event log at the bottom of the window.</li> </ul>
Help	About—provides information about the ProDrive release.

## **Enabling a Player For Scheduled Ingest**

#### To enable a Player for scheduled ingest:

From the Omneon ProDrive menu bar, click Tools > Configuration.

The ProDrive Configuration window opens.

- 2. In the Configuration window, click on the desired Player's tab.
- 3. Select the **Scheduled Ingest** option.

ProDrive Configuration		
General Appearance Player dir9_1010a_5	Player dir9_5301_1080i	Player dir9_61 🔹
Role		]
O Playout		
VTR Ingest		
Clip Preparation		
Name		
Channel Logo		
		Clear Logo
		Load Logo
Default folder for ingest		
Capture to folder \fs0		
Append date		
Timecode/Time-of-day		
Time-of-day source VITC Referen	ie 💌	
Segment Clips		
Segment Duration: 01:00:00:00	<ul> <li>Tag with number</li> <li>Tag with time</li> </ul>	
	ОК	Cancel

Table 14. ProDrive Configuration—Player Tab

Role Scheduled Ingest	Enables the Player for scheduled ingest at specified times and dates.
Name	(Optional) Assigns a name to the button that appears in the Overview Window, as well as the button that appears in the top row of buttons. The default name is the one configured using SystemManager.
Channel Logo	(Optional) Assigns a logo to the button that represents this Player. The logo appears in the Overview window as well as the top row of buttons. Click <b>Load Logo</b> to use a logo; click <b>Clear</b> <b>Logo</b> to remove it. Note that all images are resized to 48 x 48 pixels. Supported file types include .bmp, .jpg, .tif, and .png.
Default folder for Ingest Capture to folder	Specifies the folder where the ingested clips are captured. The default folder is defined in the general tab under <b>Default folder for ingest</b> .

Default folder for Ingest Append Date	Adds the current date to the end of the specified clip name. The date is in the following format : YYMMDY, i.e. clipname_091001. By checking this option, Append Date is always enabled from within the Scheduled Ingest screen. You can uncheck this option when a record event is created/scheduled.
Timecode/Time of Day Time-of-day Source	<ul> <li>Specifies the the time source used for issuing timed event commands such as playing or recording at a specific time of day.</li> <li>Local PC Time—uses the local time on the client PC as the time reference.</li> <li>Player LTC—uses the Linear timecode (LTC) of the Player as the time reference.</li> <li>Media Director Time—uses the media server time as the time reference.</li> <li>VITC Reference—uses SMPTE Vertical interval timecode (VITC) as the time reference. For frame accuracy, Omneon recommends using VITC Reference for Playout and Scheduled Ingest roles. Both the media server and MediaPort should be supplied reference from the same VITC reference source.</li> </ul>
Segment Clips	Specifies that the Segment Clip option for each scheduled ingest will be on by default.
Segment Duration	Specifies the default segment length in hh:mm:ss:ff The maximum number of segments allowed per record event is 48. For example, if you have a 24 hour record event and you want it segmented, then you should not use a segment duration of less than 00:30:00:00. If you do, then the number of segments above 48 will not be recorded. Similarly, if you have a 12 hour record event, the minimum segment duration would be 00:15:00:00.
Segment Duration: Tag with Number	Sequentially, beginning with 1, appends a number to the Clip Name for each segment that is created. i.e. ingest_1, ingest_2, ingest_3.
Segment Duration: Tag with Time	Appends the time of day the clip is created to the Clip Name for each segment that is created. i.e. ingest_221500, ingest_221700, ingest_221900.

Table 14. ProDrive Configuration—Player Tab (Continued)

- 4. Configure the parameters you want.
- 5. Click **OK**.

## **Managing Scheduled Ingest Lists**

This section provides the following procedures:

- Assigning a Scheduled Ingest List for a Player
- Clearing Scheduled Ingest Lists
- Saving Scheduled Ingest Lists

### Assigning a Scheduled Ingest List for a Player

To assign a scheduled ingest list to a Player:

- 1. From the Omneon ProDrive Player's Area, click the Player configured for scheduled ingest.
- 2. In the Scheduled Ingest window button bar, click **Open Schedule**.

Comneon Prol	Drive:														
Overview	Clip Management	dir9_6101_720p	dir9_5301_1080i	dir9_1010	a_SD	dir10_532:	lb_1080i	dir10_	5321a_720p	dir10	_1003a_	50	©C Pro	) MNE Driv	CON° re™
New Schedule Open Schedule Save Schedule	Scheduled In Pending: @ 9/24/ Starting in: 3:48:4	<b>igest: dir9_1010a</b> 2009 18:00:00;00 1	_SD	Description	Start 13:28:30;0 9/24/2009 21:00:00;0	0 18:00:00;00 0	Stop 13:58:30;00 19:00:00;00 01:00:00;00	) )	Duration 00:30:00;00 01:00:00;00 04:00:00;00	Days daily Once Sund	only ay		Clip Nar Where's Bewitch Sunday	ne VValdo ed Night Foott	all
Crash Record			, C	Thu, Thursday 10:00 l 02:00 Fri, Friday, Sep	, Septemb I <sub>04:00</sub> otember 2	er 24, 2009 I <sub>06</sub> ! <sub>00</sub> 5, 2009	08:00	10:00	<sub>12:00</sub>	14:00	16:00	18:00	20:00	1 22:00	1 00:00
				50:00 02:00 Sat, Saturday, 50:00 02:00 Sun, Sunday, S	l 04:00 Septembe	er 26, 2009 1 <sub>06</sub> :00 1 27, 2009		10:00 10:00	12:00     12:00	14:00	16:00	18:00	<sup>1</sup> 20:00	<sup>1</sup> 22:00	1 00:00
				00:00 02:00 Mon, Monday, 00:00 02:00 Tue, Tuesday, 00:00 02:00	<sup>1</sup> 04:00 September 1 04:00 September 1 04:00	er 28, 2009 1 06:00 er 29, 2009 1 06:00	' 08:00 '   08:00     08:00	10:00 10:00	12:00     12:00     12:00	14:00 14:00	16:00 16:00	18:00 18:00 18:00	<sup>1</sup> 20:00 <sup>1</sup> 20:00 <sup>1</sup> 20:00	<sup>1</sup> 22:00 <sup>1</sup> 22:00 <sup>1</sup> 22:00	1 00:00
Storage: 15	hours free			Wed, Wedneso	lay, Septe	mber 30, 20	09 I <sub>08</sub> 00 I	10:00	I 12:00 I	14:00 I	16:00	18:00 9/24/20	<sub>20:00</sub>  09 14:11:1	1 22:00	l <sub>00:00</sub> eference)

The Open window appears.

Open							? 🔀
Look in:	🞯 Desktop	~	G	Ð	P [	-	
My Recent Documents Desktop My Documents	My Documents My Computer My Network Pla ingest-list.bt	ices					
my computer						6	
	File name:	ingest-list.txt			*		Open
My Network	Files of type:	Text Files (*.txt)			~		Cancel

- 3. Select the scheduled ingest list you want.
- 4. Click OK.

The scheduled ingest list is loaded in the Scheduled Ingest List panel.

### **Clearing Scheduled Ingest Lists**

#### To clear a scheduled ingest list:

1. From the Omneon ProDrive Player's Area, click the Player for which you want to clear the Scheduled Ingest List.

Someon ProDrive:												E	
File Edit Tools Help													
Overview Clip Management dir9_61	.01_720p dir9_5301_1080i	dir9_1010	a_SD	dir10_5321	b_1080i	dir10_	_5321a_720p	][	dir10_1003	a_SD	ا ا	Omn: r <b>oDri</b> v	EON° v <b>e</b> ™
New Schedule Scheduled Ingest: di Pending: @ 9(24)2009 18:00 Starting an 3:48/41 Save Schedule	ir9_1010a_SD ::00;00	Description	Start 13:28:30;00 9/24/2009 1 21:00:00;00	8:00:00;00	Stop 13:58:30;00 19:00:00;00 01:00:00;00		Duration 00:30:00;00 01:00:00;00 04:00:00;00	) ) )	Days daily Once only Sunday		Clip N Where Bewit Sunda	ame s's Waldo ched ny Night Foo	tball
Crasil Record													
		Thu, Thursday	, Septembe	er 24, 2009				_	,				
	c	00:00 02:00	04:00	06:00	08:00	10:00	12:00	14:00	16:00	18:00	20:00	22:00	00:00
		Fri, Friday, Sep	tember 25	, 2009									
	a	oo:00 02:00 Sat. Saturday.	l 04:00 September	06:00	08:00	10:00	12:00	14:00	16:00	18:00	20:00	22:00	1 00:00
	c	00:00 02:00	1 04:00	1 06:00 I	08:00	10:00	1 12:00	14:00	16:00	I 18:00	20:00	22:00	00:00
		Sun, Sunday, S	September	27, 2009									
	a	10:00 02:00	04:00	1 <sub>06:00</sub> 1	08:00	10:00	I 12:00	14:00	0 I 16:00	I 18:00	1 20:00	22:00	00:00
		Mon, Monday,	September	28, 2009									
	c ·	00:00 02:00 Tue, Tuesday,	l 04:00 September	06:00 0 29, 2009	08:00	10:00	12:00	14:00	16:00	18:00	20:00	22:00	00:00
	c	wed, Wednesd	l <sub>04:00</sub> lay, Septen	l <sub>06:00</sub> l nber 30, 20	08:00   09	10:00	I 12:00	14:00	)   16:00	I 18:00	1 20:00	1 22:00	1 00:00
	, and the second s	00:00 02:00	1 04:00	1 <sub>06:00</sub> 1	08:00	10:00	1 12:00	14:00	16:00	1 18:00	20:00	22:00	00:00
Storage: 15 hours free										9/24/	2009 14:1	L:18 (VITC P	Reference)

2. In the Scheduled Ingest window button bar, click New Schedule.

The Scheduled Ingest List is cleared in the Scheduled Ingest List panel.

### **Saving Scheduled Ingest Lists**

#### To save a scheduled ingest list:

1. From the Omneon ProDrive Player's Area, click a Player configured for scheduled ingest.

🕿 Omneon Prol	Drive:												
File Edit Tools	Help												
Overview	Clip Management dir9_6101_720p	dir9_5301_1080i	dir9_10	10a_SD	dir10_532	1b_1080i	dir10	_5321a_720p	dir10_1003a_	50	Pro	MNE Driv	CON° ′e™
New Schedule	Scheduled Ingest: dir9_1010a	_SD	Description	Start		Stop		Duration	Davs		Clip Nar	ne	
	Pending: @ 9/24/2009 18:00:00;00			13:28:30;	00	13:58:30;00	)	00:30:00;00	daily		/\/here's	Waldo	
Open Schedule	Starting in: 3:48:41			9/24/2009	18:00:00;00	19:00:00;00	)	01:00:00;00	Once only		Bewitch	ed	
Save Schedule				21:00:00;	10	01:00:00;00	)	04:00:00;00	Sunday		Sunday	Night Footb	iall
Crash Record													
	·		Thu Thursda	v Sentem	or 24, 200	2							
			ind, marsad	iy, septem									
			00:00 02:00	04:00	06:00	08:00	10:00	12:00	14:00 16:00	18:00	20:00	22:00	00:00
			Fri, Friday, Se	eptember 2	5, 2009								_
			00:00 02:00	04:00	06:00	08:00	10:00	12:00	14:00 16:00	18:00	20:00	22:00	00:00
			Sat, Saturday	, Septemb	er 26, 2009								
			00:00 02:00	0400	06:00	08:00	10:00	1 12:00	14:00 16:00	18:00	20:00	22:00	1 00:00
			Sun, Sunday,	Septembe	r 27, 2009								
				1.1.1.	1	1		1.000		1	1	L an ba	L
			Mon Monday	Sentemb	er 28, 2009	08:00	10:00	12:00	14:00 16:00	18:00	20:00	22:00	. 00:00
				, ocptellio					=				
			00:00 02:00	04:00	06:00	08:00	10:00	12:00	14:00 16:00	18:00	20:00	22:00	00:00
			Tue, Tuesday	, Septemb	er 29, 2009								
			00:00 02:00	04:00	06:00	08:00	10:00	12:00	14:00 16:00	18:00	20:00	22:00	00:00
			Wed, Wednes	sday, Septe	ember 30, 2	009							
			00:00 02:00	0 04:00	06:00	1 <sub>08:00</sub> 1	10:00	1 12:00 I	14:00 16:00	l 18:00	1 20:00	I 22:00	1 00:00
Storage: 15	hours free											8 (VITC Re	ference)

2. Edit the list, as required.

See Editing Events in a Scheduled Ingest List for more information.

3. In the Scheduled Ingest window button bar, click Save Schedule.

Save the schedule using a name and directory of your choice.

## **Managing Scheduled Ingest Events**

This section provides the following procedures:

- Adding Events to a Scheduled Ingest List
- Editing Events in a Scheduled Ingest List
- Deleting Events in a Scheduled Ingest List

### Adding Events to a Scheduled Ingest List

#### To add an event to a Scheduled Ingest list:

1. From the Omneon ProDrive Player Area, click the Player configured for scheduled ingest.

													_	
🕿 Omneon Prol	)rive:													
File Edit Tools	Help													
Overview	Clip Management	dir9_6101_720p	dir9_5301_1080i	dir9_1010	la_SD	dir10_532	1b_1080i	dir10_	_5321a_720p	dir10_10	3a_5D	©0 Pro	MNE Driv	CON° ′ <b>e</b> ™
New Schedule	Scheduled I	ngest: dir9_1010a	_SD	Description	Start		Stop		Duration	Days		Clip Narr	ne	
	Pending: @ 9/24,				13:28:30;0	0	13:58:30;0	0	00:30:00;00	daily		Where's	Waldo	
Open Schedule	Starting in: 3:48:4			<b>V</b>	9/24/2009	18:00:00;00	19:00:00;0	0	01:00:00;00	Once onl	/	Bewitch	ed	
Save Schedule					21:00:00;0	0	01:00:00;0	0	04:00:00;00	Sunday		Sunday I	Night Footb	all
Crash Record														
				Thu, Thursday	, Septemt	er 24, 200	9							
					Ladio	1 06/00	0000	10,00	1 12/00	1400 100	1 18/00	20,00	1 22/00	1 00/00
				Fri, Friday, Ser	otember 2	5, 2009	00:00	10,00	12100	14/00 10/0	0 10:00	20.00	22100	00.00
						1 1				-				
			c c	00:00 02:00	04:00	06:00	08:00	10:00	12:00	14:00 16:0	0 18:00	20:00	22:00	00:00
				sat, saturday,	Septembe	r 20, 2009								_
			c	02:00	04:00	06:00	08:00	10:00	12:00	14:00 16:0	0 18:00	20:00	22:00	00:00
				Sun, Sunday,	Septembe	7 27, 2009								_
				00:00 02:00	04:00	06:00	I 08:00	10:00	I 12:00 I	14:00 1 16:0	0   18:00	1 20:00	22:00	1 00:00
				Mon, Monday,	Septembe	er 28, 2009								
					1 ada	L arba	1		ا مادر ا			1 20/00	1 22 40	1
				Tue Tuesday	Sentemb	er 29 2009	08:00	10:00	12:00	14:00 16:0	0 18:00	20:00	22:00	00:00
				ruc, rucsuuy,						Ξ				
			0	02:00	04:00	06:00	08:00	10:00	12:00	14:00 16:0	0 18:00	20:00	22:00	00:00
				Wed, Wedness	lay, Septe	mber 30, 2	009							
				00:00 02:00	04:00	06:00	08:00	10:00	1 12:00	14:00 16:0	0 1 18:00	20:00	1 22:00	1 00:00
Storage: 15	hours free										9/24/2	:009 14:11:1	8 (VITC Re	ference)

2. Right-click anywhere in the Scheduled Ingest List panel and select New Event.

The Add Scheduled Event window opens.

Add Scheduled Event	
Clip Name Clip Name Clip Name Clip Clip Clip Clip Clip Clip Clip Clip	OK Cancel
Vescription	
Climing ○ Once, on 9/30/2009 ⓒ Every All Days ♥	
Start at:     00:00:00;00     Duration:     00:30:00;00       Segment Clp     Image: Classical start star	

Enabled	Enables the event for ingest.
Clip Name	Specifies the name of the clip being ingested.
Append Date	Appends the date (YYMMDAY) the clip is created to the Clip Name defined above i.e. ingest_090917, ingest_090919, ingest_090921.
Folder	Specifies the folder in which the clip will be ingested.
Description	Provides a description of the ingest. Note that this description is not saved as part of the clip's metadata. It is solely used in the ProDrive's GUI.
Timing: Once, on	Specifies the day and time of the ingest.
Timing: Every	Specifies the days and time at which the clip will be ingested. (You can choose one day or all days, but not some of the days)
Timing: Start at	Specifies the start time in 24-hour format, HH:MM:SS:FF (hour:minutes:seconds:frames)
Timing: Duration	Specifies the duration of the clip being ingested in HH:MM:SS:FF (hours:minutes:seconds:frames) for the ingest to begin
Segment Clip	<ul> <li>Segments the clip according to the specified duration.</li> <li>Tag with number—Sequentially, beginning with 1, appends a number to the Clip Name defined above for each segment that is created. i.e. ingest_1, ingest_2, ingest_3.</li> <li>Tag with time—Appends the time of day the clip is created to the Clip Name defined above for each segment that is created. i.e. ingest_221500, ingest_221700, ingest_221900.</li> </ul>

Table 15. Add Scheduled Event

- 3. Configure the parameters you want.
- 4. Click OK.

The event is added to the Scheduled Ingest List panel.

**NOTE:** The schedule will reflect any currently active recording for the port that is configured for that instance of Scheduled Ingest.

- 5. Repeat steps 1 through 4 for each ingest event you want added to the Ingest schedule.
- 6. When you are done, click **Save Schedule** using a name and directory of your choice. Retain the .txt file extension.

### **Editing Events in a Scheduled Ingest List**

#### To edit an event in a scheduled ingest list:

1. From the Omneon ProDrive Player Area, click the Player for which you need to edit the Scheduled Ingest List.

📧 Omneon Prol	Drive:						
File Edit Tools	Help						
Overview	Clip Management dir9_6101_720p dir9_5301_1080i	dir9_1010a	a_SD dir10_5321	.b_1080i dir10	_5321a_720p	dir10_1003a_SD	CMNEON <sup>®</sup> ProDrive <sup>™</sup>
New Schedule	Scheduled Ingest: dir9_1010a_SD	Description	Start	Stop	Duration	Days	Clip Name
	Pending: @ 9/24/2009 18:00:00;00		13:28:30;00	13:58:30;00	00:30:00;00	daily	Where's Waldo
Open Schedule	Starting in: 3:48:41		9/24/2009 18:00:00;00	19:00:00;00	01:00:00;00	Once only	Bewitched
Save Schedule		✓ 1	21:00:00;00	01:00:00;00	04:00:00;00	Sunday	Sunday Night Football
Save Scheddlern							
Crash Record							
		Thu Thursday	Sentember 24, 2009				
		rind, rindroddy,	September 24, 2005			V	
		00:00 02:00	04:00 06:00	08:00 10:00	12:00 1	4:00 16:00 18:0	00 20:00 22:00 00:00
		Fri, Friday, Sept	tember 25, 2009				
		00:00 02:00	04:00 06:00	08:00 10:00	12:00 1	4:00 16:00 18:0	00 20:00 22:00 00:00
		Sat, Saturday, S	September 26, 2009				
		ada Lasha	Lada Lada	مامر المأمر ا	بالمأديا	امر المامير المار	
		Sup Supday St	entember 27, 2009	08:00 10:00	12:00 1	4:00 16:00 18:0	00 20:00 22:00 00:00
		Sun, Sunday, St	cptcimber 27, 2005				
		00:00 02:00	04:00 06:00	08:00 10:00	12:00 1	4:00 16:00 18:0	00 20:00 22:00 00:00
		Mon, Monday, S	September 28, 2009				
		00:00 02:00	04:00 06:00	08:00 10:00	12:00 1	4:00 16:00 18:0	00 20:00 22:00 00:00
		Tue, Tuesday, S	September 29, 2009				
		ada Laba	Lauba Lacha		ا مادر ا	بالمرابعة المرابع	
		Wed, Wednesda	av. September 30, 20	00.00 10.00	12:00 1	4.00 10:00 10:0	20100 22100 00100
		00:00 02:00	04:00 06:00	08:00 10:00	12:00 1	4:00 16:00 18:0	00 20:00 22:00 00:00
Storage: 15	hours free					9/24	4/2009 14:11:18 (VITC Reference)

2. Right-click the desired event in the Scheduled Ingest List panel and select Edit Event.

The Edit Scheduled Event window opens.

Edit Scheduled Event	
Cip Name	ОК
Pdrive-149-4111 Append Date	Cancel
Folder	
\fs0\ProDrive\Scheduled Ingest	
Description	
Timing	
⊙ Once, on 9/25/2009	
Start at: 10:23:04;23 Duration: 00:02:51;14	
C Segment Clp Segment Duration: 01:00:00;00 Tag with number Tag with time	

3. Configure the parameters you want.

See Adding Events to a Scheduled Ingest List for more information.

4. Click **OK**.

### **Deleting Events in a Scheduled Ingest List**

#### To delete an event in a scheduled ingest list:

1. From the Omneon ProDrive Player Area, click the Player configured for scheduled ingest.

🔤 Omneon Pro	Drive:							
Overview	Clip Management dir9_6101_720p dir9_	_5301_1080i	dir9_1010	a_SD dir10_5321	.b_1080i dir10_	5321a_720p	dir10_1003a_SD	⊘Omneon <sup>.</sup> ProDrive <sup>™</sup>
New Schedule Open Schedule Save Schedule Crash Record	Scheduled Ingest: dir9_1010a_SD Pending: @ 9/24/2009 18:00:00;00 Starting in: 3:48:41		Description	Start 13:28:30;00 9/24/2009 18:00:00;00 21:00:00;00	Stop 13:58:30;00 19:00:00;00 01:00:00;00	Duration 00:30:00;00 01:00:00;00 04:00:00;00	Days daily Once only Sunday	Clip Name Where's Waldo Bewitched Sunday Night Football
		00 F S	hu, Thursday, 00 02:00 ri, Friday, Sep 00 02:00 at, Saturday,	, September 24, 2009 1 04:00 1 06:00 tember 25, 2009 1 04:00 1 06:00 September 26, 2009	08:00 1 10:00	1 12:00 1 14:0	20   16:00   18:00 20   16:00   18:00	1 20:00 1 22:00 1 00:00 1 20:00 1 22:00 1 00:00
		00 S 00 M	00 02:00 un, Sunday, S 00 02:00 on, Monday,	l <sub>04</sub> ¦ <sub>00</sub> l <sub>06</sub> ¦ <sub>00</sub> eptember 27, 2009 l <sub>04</sub> ¦ <sub>00</sub> l <sub>06</sub> ¦ <sub>00</sub> September 28, 2009	08:00   10:00   08:00   10:00	12:00   14:	00 <sup> </sup> 16:00 <sup> </sup> 18:00 00 <sup> </sup> 16:00 <sup> </sup> 18:00	1 20:00 1 22:00 1 00:00 1 20:00 1 22:00 1 00:00
		00 T 00 V	00 02:00 ue, Tuesday, 00 02:00 /ed, Wednesd	l <sub>04:00</sub> l <sub>06:00</sub> September 29, 2009 l <sub>04:00</sub> l <sub>06:00</sub> lay, September 30, 20	08:00   10:00   08:00   10:00  09	1 12:00 1 14:0	00 <sup> </sup> 16:00 <sup> </sup> 18:00 30 <sup> </sup> 16:00 <sup> </sup> 18:00	1 20:00 1 22:00 1 00:00 1 20:00 1 22:00 1 00:00
Storage: 15	hours free	00	00 02:00	04:00 06:00	08:00 10:00	12:00 14:0	00 16:00 18:00 9/24/2	20:00 22:00 00:00 009 14:11:18 (VITC Reference)

 Right-click the desired event in the Scheduled Ingest List panel and click Delete Event. No confirmation is necessary.



# CHAPTER 6 Preparing Clips

## In this Chapter

- Overview
- Understanding the Clip Preparation Window
- Enabling a Player for Clip Preparation
- Managing Clips and the Clip Prep List

### **Overview**

ProDrive provides clip preparation tools for trimming the in and out points of existing clips, creating new sub-clips from existing clips, and combining multiple clips into a single new clip (flattening), to ensure that the content stored on your media server is ready for transmission whenever you need it. Using ProDrive, you can load any available clip from your media server into any ProDrive configured Player and play, pause, rewind, fast forward, to review, edit, and update the Start of Media (SOM) and End of Media (EOM) of that clip.

You can jog and shuttle through the clip, find points of interest, mark new in and out points, and create new sub-clips based on this data or flatten individual clips into a new file.

## **Understanding the Clip Preparation Window**

The Clip Preparation window is arranged into different groups of controls and displays. From top to bottom, these are the Players Area, Clip Status Area, the Transport Controls, Shuttle Controls, Looping Controls, Cue to Timecode Controls, and the Clip Trim Controls. A Button bar is provided on the left side of the window. A Clip Prep List panel appears on the right.



### Controls

Table 16.	Clip	Preparation—Controls
-----------	------	----------------------

Crash_0	Shows the name of the clip.	
	Indicates the process is idle.	
	Indicates a normal operating condition.	
	Indicates a Warning condition that requires intervention. For example, in a Playlist, an item may be cued but the Take button needs to be clicked. In a VTR Ingest, the Warning may be issued when you need to change reels.	
	Indicates an Error condition that requires user intervention. For example, in a Playlist, the clip for the next event may be missing. In a VTR Ingest, the Warning may be issued because an ingest failed to occur, or the ingest was invalid.	
Playing	Shows the status of the clip: Stop, Pause, Forward, Rewind, Pause, or Playing.	
Table 16.	Clip Preparation—Controls	(Continued)
-----------	---------------------------	-------------
		(••••)

00:00:26;29	Shows duration elapsed, as represented by the timecode and progress bar. This will be displayed as <b>Time Count</b> or <b>Frame Count</b> , depending on the setting used in the General Configuration tab. If <b>Frame Count</b> is used, this will be displayed in frames, otherwise this is displayed as a Time counter.
00:02:30;29	Shows the duration remaining. This will be displayed as <b>Time Count</b> or <b>Frame Count</b> , depending on the setting used in the General Configuration tab. If <b>Frame Count</b> is used, this will be displayed in frames, otherwise this is displayed as a Time counter
00:00:26:29	Shows the current position of the clip in HH:MM:SS:FF (hours:minutes:seconds:frames). This will be displayed as <b>Timecode</b> , <b>Time</b> <b>Count</b> , or <b>Frame Count</b> depending on the setting used in the General Configuration tab.
	(Previous clip) Plays the previous clip. Note that Previous Clip/Page up typically moves to the head of the previous clip. If you are NOT at the head of the current clip however, this control will move you to the head of the current clip instead.
	(Rewind) Plays the clip at –8x.
	(Stop) Stops the playback or recording of a clip.
	Plays (pauses) the clip at 0x, presenting a still frame. If no clip is loaded, black is played.
	Plays the clip at 1x (normal play mode).
	(Fast Forward) Plays the clip at 8x.
	(Next clip) Plays the next clip. Note that Next Clip/Page down always moves you to the head of next clip - unless you are already at the last clip, in which case, it moves you to the tail of the last clip.
Off Var. Play	When on, limits speed to $+/-2x$ .

	<ul> <li>Controls the jog/shuttle dial as follows:</li> <li>moving the dial to the left changes the clip's current speed to the next faster reverse speed.</li> <li>moving the dial to the right changes the clip's current speed to the next faster forward speed.</li> <li>The following transport speeds are supported, as multiples of normal forward play: -32, -16, -8, -4, -2, -1, -1/2, -1/4, -1/16, -1/32, 0, 1/32, 1/16, 1/8, 1/4, 1/2, 1, 2, 4, 8, 16, 32.</li> <li>moving the dial to the left or the right by one click jogs forward or backward, one frame at time.</li> </ul>
	Tracks and enables manual control of the shuttle process. Press and hold to switch between jog and shuttle modes, as for VTR ingest.
<ul> <li>Looping</li> <li>Loop</li> <li>Bounce</li> </ul>	<ul> <li>Specifies the following looping options:</li> <li>None—Disables looping and bounce.</li> <li>Loop—Causes the clip list, which can be comprised of a single clip, or multiple clips loaded in the Clip Prep list area, to restart upon reaching its end. In this mode, the clip plays continuously until Stop is clicked. Inactive clips (not shown in red) can be selected and moved while the Player is in Loop mode. Note that the Player must be stopped before the Loop mode can be activated.</li> <li>Bounce— Repeatedly plays a clip from its IN point and OUT point and then back again. In this mode, the clip reverses when it reaches its OUT point, playing back and forth. NOTE: Bounce mode works only with DV clips. It does not work with MPEG I-frame or Long GOP clips.</li> <li>NOTE: Looping and Bounce are only applicable when the clip is being controlled through Clip Preparation.</li> </ul>
Cue to Timecode          ::	Cues the clip to the specified timecode. Enter the timecode values in the fields provided.

 Table 16. Clip Preparation—Controls (Continued)

Clip Trim Controls IN Point 00:00:03;28 Mark Cue Clear Duration: 01:33:20;23	<ul> <li>Mark [IN Point], Mark [OUT Point]— These two buttons set the clip's inpoint and outpoint — the starting and ending frames for clip playback. Clicking a Mark button sets that point on the clip's current frame. Both the inpoint and outpoint are <i>inclusive</i>; the frames thus marked are the first and last frames to be shown during clip playback.</li> <li>Cue [IN Point], Cue [OUT Point]— These two buttons cue to the in point or outpoint of the clip.</li> <li>Clear [IN Point], Clear [OUT Point]— Clicking a Clear button clears the corre- sponding marked point.</li> <li>Duration — Shows the duration of the clip between the inpoint (SOM) and outpoint (EOM).</li> </ul>
	<ul> <li>NOTES:</li> <li>When no inpoint is set, the default inpoint is the first frame of the clip and the corresponding Clear button is grayed-out and disabled.</li> <li>When no outpoint is set, the default outpoint is the last frame of the clip and the corresponding Clear button is grayed-out and disabled.</li> </ul>

 Table 16. Clip Preparation—Controls (Continued)

### **Buttons**

Table 17. Clip Preparation—Buttons

Load Clip	Loads a clip from the selected director to the Clip Prep List. You can now manage the clip with ProDrive using the Transport controls and perform clip editing procedures using the Looping, Cue to Timecode, and Clip Trim controls.
Add Clip	Adds a clip from the selected directory to the Clip Prep List panel.
Save Clip As	Saves a new clip in the defined directory with the file name you specify. Clips <b>must be I-Frame</b> only and have the exact same attributes including: number and type of video tracks, number and type of audio tracks, format, and frame rate. LGOP clips are not distinguished from I-Frame.

Clear List	Clears the Clip Prep List panel.
Update Clip	Updates the selected clip with the changes you made.
Flatten	Flattens the selected clips into a new clip with the file name you specify. Clips to be flattened together <b>must be I-Frame</b> only and have the exact same attributes including: number and type of video tracks, number and type of audio tracks, format, and frame rate. LGOP clips are not distinguished from I-Frame but will not flatten correctly. <b>NOTE: Save As</b> and <b>Flatten</b> are very similar. Flatten performs a <b>Save As</b> , then loads the newly created clip onto the timeline, replacing the existing timeline contents.
Crash Record	Allows you to begin an ingest using the currently selected Player. Crash records will run for the specified duration, creating a clip on your media server, and clips can be scheduled for playout on another port while being recorded.

 Table 17. Clip Preparation—Buttons (Continued)

### Menus

File	• Exit—closes ProDrive and exits the application.
Clip Preparation	<ul> <li>Load Clip—loads a clip from the selected directory to the Clip Prep List.</li> <li>Add Clip—adds a clip from the selected directory to the Clip Prep List panel.</li> <li>Save As—saves a new clip in the defined directory with the file name you specify. The default name presented for sub clips depends on the name of the parent clip. If the parent clip has a datetime at the end, then the default name is the parent name with an updated datetime. If the parent clip has a sequence number, then the next free number in sequence is used. If the parent clip has neither, then a sequence number is added using the suffix separator configured as part of the ingest options in the Configuration General tab.</li> <li>Note: The datetime appended to the end of a clip name is the time at which the Save As dialog box was opened. Close the dialog box and reopen the box to ensure the current date and time is appended to the clip name.</li> <li>Update—updates the selected clip or clips with the changes you made.</li> <li>Load Latest Recording—loads the most recent Crash Record clips from the current session known by ProDrive. VTR, scheduled ingest clips, or clips ingested from another session, or via a different application will not be loaded.</li> </ul>
Tools	<ul> <li>Configuration—configures ProDrive.</li> <li>VTR Control—opens a VTR transport control window for VTRs connected to the PC serial com port(s).</li> <li>View Log—displays the event log at the bottom of the window.</li> </ul>
Help	About—provides information about the installed ProDrive release.

Table 18. Clip Preparation—Menus

# **Enabling a Player for Clip Preparation**

#### To get started:

- 1. From the Omneon ProDrive menu bar, click **Tools > Configuration**.. The ProDrive Configuration window opens.
- 2. Select the tab for the desired Player.
- 3. Select the Clip Preparation option.

🕿 ProD	rive Config	uratio								×
General	Appearance	Player	dir9_6101_720p	Player dir9_	5301_1	080i 🛛 Pla	ayer dir9_	1010a_SC	Playe	< >
Role										
O None	e out									
O VTR	Ingest									
🔘 Sche	duled Ingest									
💿 Clip I	Preparation									
Name										
Channe	Logo									
									lear Log	
									oad Loor	=
								Ľ	.oau rogi	
Default	folder for inge	st								
	Capture to	folder	\fs0							
							0		Cance	<u>ا</u>
						_	<u> </u>		Janes	

Table 19. ProDrive Configuration—Player Tab

Role Clip Preparation	Enables the Player for the manual previewing, preparation, and editing of media clips.
Name	(Optional) Assigns a name to the button that appears in the Overview Window, as well as the button that appears in the top row of buttons. The default name is the one configured using SystemManager.
Channel Logo	(Optional) Assigns a logo to the button that represents this Player. The logo appears in the Overview window as well as the top row of buttons. Click <b>Load Logo</b> to use a logo; click <b>Clear Logo</b> to remove it. Note that all images are resized to 48 x 48 pixels. Supported file types include .bmp, .jpg, .tif, and .png.
Default Folder for ingest Capture to folder	Specifies the folder where the ingested clips are captured when a Crash Record is performed, or when new content is created from either flattening or creating new sub-clips.

- 4. Configure the parameters you want.
- 5. Click OK.

# Managing Clips and the Clip Prep List

This section describes the following tasks:

- About Opening Clips
- Adding Clips to the Clip Prep List
- Updating Clips
- Loading Clips
- Creating New Clips
- Flattening Clips
- Recording Clips (Crash Record)
- Ejecting Clips
- Clearing Clips

### **About Opening Clips**

Right clicking on a clip allows you to view the clip "Open" option. When you click "Open", the clip opens with the application assigned for that file extension in Windows. For example, if you have QuickTime installed, ".mov" clips will open in QuickTime Viewer.. VLC MediaPlayer (http://www.videolan.org/vlc) can open .MXF files with embedded essence. If "Open" is greyed out, no application has been assigned to open the file extension of the particular clip.

### Adding Clips to the Clip Prep List

#### To add a clip:

- 1. From the Omneon ProDrive Player Area, select the Player you have configured for Clip Preparation.
- 2. From the Omneon ProDrive menu bar, click Clip Preparation > Add Clip.

The Clip Management window opens.

🕿 ProDrive Browse:	10	.5.152.27 \fs0\AZ	TECA					Normal State
Current Folder: \fs0\AZTECA Filter								
Folders	^	Name	Duration	Format	Framerate	Last Modified 💎	FileType	Tracks
		bypass.mov	00:00:09:08	720x480	29.97fps	4/2/2007 5:33:	Quicktime	1 DV Video, 1 PCM Audi
-081107 Ryan		Crash_0.mov	00:26:59:03	720x480	29.97fps	10/3/2007 11:4	Quicktime	1 DV Video, 1 PCM Audi
ATCM		dv-1.mov	00:03:59:08	720x480	29.97fps	10/4/2007 9:06	Quicktime	1 DV Video, 1 PCM Audi
AIRM		dv-2.mov	00:04:29:19	720x480	29.97fps	10/4/2007 9:23	Quicktime	1 DV Video, 1 PCM Audi
- ATTM		DV25_HBO.mov	00:02:55:29	720x480	29.97fps	10/3/2007 7:03	Quicktime	1 DV Video, 1 PCM Audi
- AZTECA		DV25_NBA1.mov	00:05:41:02	720×480	29.97fps	10/3/2007 7:02	Quicktime	1 DV Video, 1 PCM Audi
- Cinequest2008		Headlines1.mov	00:00:23:04	720x608	25fps	9/7/2007 9:33:	Quicktime	1 MPEG Video, 1 PCM
, dio dir		Headlines11.mov	00:00:25:01	720x608	25fps	9/7/2007 9:38:	Quicktime	1 MPEG Video, 1 PCM
		imxtest2.mov	23:58:33:19	720×512	29.97fps	10/4/2007 9:44	Quicktime	1 MPEG Video, 1 PCM
- clip_dalet.dir		steve edit.mov	00:02:04:13	720x608	25fps	9/11/2007 8:58	Quicktime	1 MPEG Video, 1 PCM
— clip_orig.dir		test2.mov	00:00:09:08	720×480	29.97fps	4/2/2007 5:33:	Quicktime	1 DV Video, 1 PCM Audi
clip_orig2.dir		test3.mov	00:00:09:08	720×480	29.97fps	4/2/2007 5:33:	Quicktime	1 DV Video, 1 PCM Audi
dio RAL dir		test4.mov	00:00:09:08	720×480	29.97fps	4/2/2007 5:33:	Quicktime	1 DV Video, 1 PCM Audi
		test5.mov	00:00:09:08	720×480	29.97fps	4/2/2007 5:33:	Quicktime	1 DV Video, 1 PCM Audi
+- conrig		test6.mov	00:00:09:08	720×480	29.97fps	4/2/2007 5:33:	Quicktime	1 DV Video, 1 PCM Audi
<ul> <li>Exports</li> </ul>		test7.mov	00:00:09:08	720×480	29.97fps	4/2/2007 5:33:	Quicktime	1 DV Video, 1 PCM Audi
FCP								
fovfile	~							
16 Clips		Filename: C	rash_0.mov					OK Cancel

3. Select the clip you want to add.

NOTE: You can select multiple clips using the Ctrl or Shift key.

4. Click OK.

The selected clips appear in the Clip Preparation window.

5. Repeat Step 2 through Step 4 for each clip you want to add.

**Tip:** You can reorder clips in the Clip Preparation List panel by dragging and dropping them to a new location in the list.

### **Updating Clips**

Updating a clip involves changing its inpoint, outpoint, or both and then saving the updates/changes.

#### To update a clip:

- 1. From the Omneon ProDrive Player Area, select a Player you have configured for Clip Preparation.
- 2. From the Clip Preparation List panel, select the clip you want to update.
- 3. Using the Clip Trim Controls, mark the new IN Point and OUT Point.
- 4. In the Clip Preparation window button bar, click **Update Clip**.

A window opens with details of the updates.

Inform	ation
(i)	In and Out points updated.
~	Default In and Out points for 54-DV25-2997-SD-QTREF-I-25-wav were updated.
	ок

### **Loading Clips**

#### To load a clip:

- 1. From the Omneon ProDrive Player Area, select a Player you have configured for Clip Preparation.
- 2. In the Clip Preparation window button bar, click Load Clip.

🕿 Omneon Pro	Drive						
Ele Clip Preparal	tion <u>T</u> ools <u>H</u> elp					_	
Overview	Clip Management dir10_5321a_72	0p				©OM ProI	INEON° <b>Drive</b> ™
Load Clip	Crash_0	Cueing	Clip	Position	In	Out	Duration
Add Clip	00:00:00;00	00:27:00;23	Crash_0	00:00:00;00	00:00:00:00	00:26:59:02	00:27:00;23
Save Clip As	00:00:0	0:00					
Clear List							
Flatten	Off Var. Play						
Crash Record	Looping     Cue to Timecod     Cop     Bounce	e <u>C</u> ue					
	CIP Trim Controls IN Point 00:00:00:00 Mark Cue Clear M Duration: 00:26	0UT Point 00:26:59:02 ark Cue Clear 59:03					

The Clip Management window opens.

🕿 ProDrive Browse: 10.5.152.27 \fs0\AZTECA								
Current Folder: \fs0\AZTE	Current Folder: \fs0\AZTECA Filter							
Folders	^	Name	Duration	Format	Framerate	Last Modified 💎	FileType	Tracks
⊟– \fs0		bypass.mov	00:00:09:08	720x480	29.97fps	4/2/2007 5:33:	Quicktime	1 DV Video, 1 PCM Audio
L081107 Ryap		Crash_0.mov	00:26:59:03	720x480	29.97fps	10/3/2007 11:4	Quicktime	1 DV Video, 1 PCM Audio
ATEM		dv-1.mov	00:03:59:08	720×480	29.97fps	10/4/2007 9:06	Quicktime	1 DV Video, 1 PCM Audio
- AITM		dv-2.mov	00:04:29:19	720x480	29.97fps	10/4/2007 9:23	Quicktime	1 DV Video, 1 PCM Audio
- ATTM		DV25_HBO.mov	00:02:55:29	720x480	29.97fps	10/3/2007 7:03	Quicktime	1 DV Video, 1 PCM Audio
- AZTECA		DV25_NBA1.mov	00:05:41:02	720×480	29.97fps	10/3/2007 7:02	Quicktime	1 DV Video, 1 PCM Audio
- Cinequest2008		Headlines1.mov	00:00:23:04	720x608	25fps	9/7/2007 9:33:	Quicktime	1 MPEG Video, 1 PCM
e din dir		Headlines11.mov	00:00:25:01	720x608	25fps	9/7/2007 9:38:	Quicktime	1 MPEG Video, 1 PCM
ciip.ui		imxtest2.mov	23:58:33:19	720×512	29.97fps	10/4/2007 9:44	Quicktime	1 MPEG Video, 1 PCM
- clip_dalet.dir		steve edit.mov	00:02:04:13	720x608	25fps	9/11/2007 8:58	Quicktime	1 MPEG Video, 1 PCM
- clip_orig.dir		test2.mov	00:00:09:08	720×480	29.97fps	4/2/2007 5:33:	Quicktime	1 DV Video, 1 PCM Audio
- clip orig2.dir		test3.mov	00:00:09:08	720×480	29.97fps	4/2/2007 5:33:	Quicktime	1 DV Video, 1 PCM Audio
dio RAL dir		test4.mov	00:00:09:08	720x480	29.97fps	4/2/2007 5:33:	Quicktime	1 DV Video, 1 PCM Audio
Cop_rector		test5.mov	00:00:09:08	720×480	29.97fps	4/2/2007 5:33:	Quicktime	1 DV Video, 1 PCM Audio
±- config		test6.mov	00:00:09:08	720×480	29.97fps	4/2/2007 5:33:	Quicktime	1 DV Video, 1 PCM Audio
<ul> <li>Exports</li> </ul>		test7.mov	00:00:09:08	720x480	29.97fps	4/2/2007 5:33:	Quicktime	1 DV Video, 1 PCM Audio
FCP								
fovfile	~							
16 Clips		Filename: C	rash_0.mov					OK Cancel

- 3. Select the clip you want.
- 4. Click **OK**.

The clip appears in the Clip Preparation window and is loaded in the Player. You can now manage the clip with ProDrive using the Transport controls and perform clip editing procedures using theCue to Timecode, and Clip Trim controls.

### **Creating New Clips**

#### To create a new clip from an existing clip:

- 1. From the Omneon ProDrive Player Area, select the Player you have configured for Clip Preparation.
- 2. From the Clip Preparation List panel, select the clip you want to duplicate.
- 3. In the Clip Preparation window button bar, click Save As.

The Clip Management window opens.

- 4. In the **File Name** field, enter the new name for the new clip.
- 5. Click OK.

Now you can edit the duplicate clip and make changes to the media without affecting the original clip.

### **Flattening Clips**

Flattening clips involves merging multiple clips in the order in which they appear in the Clip Preparation window into a single clip.

#### To flatten clips into one clip:

- 1. From the Omneon ProDrive Player Area, select a Player you have configured for Clip Preparation.
- 2. In the Clip Preparation window button bar, click Load or Add Clip.



The Clip Management window opens.

ProDrive Browse: 10.5.152.27 Vis0NZTECA								
urrent Folder: \fs0\AZTE	CA						Filter	
olders	^	Name	Duration	Format	Framerate	Last Modified 💎	FileType	Tracks
⊢ \fs0		bypass.mov	00:00:09:08	720×480	29.97fps	4/2/2007 5:33:	Quicktime	1 DV Video, 1 PCM Aud
091107 Duep		Crash_0.mov	00:26:59:03	720x480	29.97fps	10/3/2007 11:4	Quicktime	1 DV Video, 1 PCM Aud
- doirio/_kyan		dv-1.mov	00:03:59:08	720×480	29.97fps	10/4/2007 9:06	Quicktime	1 DV Video, 1 PCM Aud
- ATFM		dv-2.mov	00:04:29:19	720×480	29.97fps	10/4/2007 9:23	Quicktime	1 DV Video, 1 PCM Aud
- ATTM		DV25_HBO.mov	00:02:55:29	720×480	29.97fps	10/3/2007 7:03	Quicktime	1 DV Video, 1 PCM Aud
- AZTECA		DV25_NBA1.mov	00:05:41:02	720×480	29.97fps	10/3/2007 7:02	Quicktime	1 DV Video, 1 PCM Aud
Cinequest2008		Headlines1.mov	00:00:23:04	720×608	25fps	9/7/2007 9:33:	Quicktime	1 MPEG Video, 1 PCM
		Headlines11.mov	00:00:25:01	720x608	25fps	9/7/2007 9:38:	Quicktime	1 MPEG Video, 1 PCM .
t - clip.dir		imxtest2.mov	23:58:33:19	720x512	29.97fps	10/4/2007 9:44	Quicktime	1 MPEG Video, 1 PCM .
- clip_dalet.dir		steve edit.mov	00:02:04:13	720x608	25fps	9/11/2007 8:58	Quicktime	1 MPEG Video, 1 PCM
- clip_orig.dir		test2.mov	00:00:09:08	720×480	29.97fps	4/2/2007 5:33:	Quicktime	1 DV Video, 1 PCM Auc
_ clip_orig2.dir		test3.mov	00:00:09:08	720x480	29.97fps	4/2/2007 5:33:	Quicktime	1 DV Video, 1 PCM Auc
alia DAL alia		test4.mov	00:00:09:08	720×480	29.97fps	4/2/2007 5:33:	Quicktime	1 DV Video, 1 PCM Aud
- uip_PAc.ur		test5.mov	00:00:09:08	720×480	29.97fps	4/2/2007 5:33:	Quicktime	1 DV Video, 1 PCM Aud
🔹 – config		test6.mov	00:00:09:08	720×480	29.97fps	4/2/2007 5:33:	Ouicktime	1 DV Video, 1 PCM Auc
- Exports		test7.mov	00:00:09:08	720x480	29.97fps	4/2/2007 5:33:	Ouicktime	1 DV Video, 1 PCM Auc
- FCP								· · · · · · · · · · · · · · · · · · ·
foyfile	¥							

- 3. Select the clips you want to flatten.
- 4. Click OK.

The clips appear in the Clip Preparation window.

- 5. (Optional) Using the Clip Trim Controls, mark the new IN Point and OUT Point for each clip.
- 6. In the Clip Prep window button bar, click Flatten.

The Clip List window opens.

- 7. In the **File Name** field, enter the name for the flattened clips.
- 8. Click OK.

The flattened clip replaces the previous clips in the Clip Prep list panel.

**NOTES:** Flattening of clips only works frame accurately for I-Frame content. Clips to be flattened should be of the same format and wrapper type.

### **Recording Clips (Crash Record)**

A Crash Record allows you to record a clip without having to name the clip or set up its recording duration. This type of recording is beneficial when a quick recording is required.

#### To crash record a clip:

- 1. From the Omneon ProDrive Player Area, select a Player you have configured for Clip Preparation.
- 2. In the Clip Preparation window button bar, click Crash Record.



The Crash Record window opens.

Crash Record			×	
	New Clip Name			
	\fs0\clip.dir		)	
	01:00:00:00			
O Record	Stop	Cancel		
00:00:00:00				

3. (Optional) Specify a new **Clip Name** for the clip.

**NOTE:** If no name is specified, the system will auto assign a name. The system will assign a name based on the default clip name pattern as specified in the **Configuration** > **General** Tab > **Ingest Options**.

4. (Optional) Specify a new **Destination Folder** for the clip.

NOTE: The default path, as defined in the Configuration window, will appear in gray.

5. (Optional) Specify the **Duration** for the clip to run.

**NOTE:** The system will assign a duration based on the Default clip duration as specified in the **Configuration** > **General** Tab > **Ingest Options**.

- 6. To start a crash record, do the following:
  - a. Click Record.

Content that is currently being fed to the ingest port is recorded and created on the media server.

🕿 Omneon Pro	Drive					
File Clip Preparal	tion Tools Help					
Overview	Clip Management dir10_5321a_720	90				©OMNEON <sup>®</sup> ProDrive <sup>™</sup>
Load Clip Add Clip	Crash Record Clip 00:00:02;07	Recording 01:00:01;11	Clip	Position	In	Out Duration
Save Clip As	00:05:2	5:02				
Clear List Update Clip						
Flatten	Off Var. Play	Crash Re	cord			
Crash Record	Cue to Timecode     One     Loop		Clip Name Crash Record Clip			
	O Bounce	Dest	ination folder \fs0\clip.dir			
			Duration 01:00:00:00			
	Clip Trim Controls IN Point	OUT Point	Record Stop	Cancel		
	Mark Cue Clear Mark Duration:::	ark Cue Clear	00:05:25	5:03		
			b			

**NOTE:** While the clip is being recorded on the ingest port, you can schedule other clips for playout on a playout port.

- b. To cancel and discard the crash record, click **Cancel**.
- c. To stop and save the crash record, click **Stop**.

**NOTE:** While the crash record dialog is open, it is not possible to access other areas of ProDrive. To access other areas of ProDrive click on the X in the upper right corner of the Crash Record dialog window. This closes the window without stopping the record. The record will continue in the background until the specified duration has been reached.

**NOTE:** Clicking on **Crash Record** from within the Clip Prep window displays the current status of any ingest that port is doing.

7. When the process is done, click **OK**.

**NOTE:** While the crash record is in progress, you can adjust the duration if required. Enter a new duration and the record duration will update.

### **Ejecting Clips**

#### To eject a clip:

- 1. From the Omneon ProDrive toolbar, select the Player you have configured for Clip Preparation.
- 2. From the Clip Prep List panel, right-click the clip you want to remove from the list and select **Eject Clip** from the menu.

### **Clearing Clips**

#### To clear all clips from the Clip Preparation List panel:

- 1. From the Omneon ProDrive toolbar, select the Player you have configured for Clip Preparation.
- 2. In the Clip Preparation window button bar, click Clear List.

All clips in the Clip Preparation List panel are cleared.

Preparing Clips



# CHAPTER 7 Playing Out Clips

## In this Chapter

- Overview
- Enabling a Player for Playout
- Understanding the Playout Window
- Understanding the Playout List Text File
- Managing Playlists
- Managing Playout Events
- Playing Clips

### **Overview**

ProDrive provides comprehensive content playout features in the same user interface. Individual clips (or even sections of clips) can be loaded onto a port and either played out immediately or scheduled for playout at a specific time.

You can also create playlists containing multiple clips from your Omneon media server. ProDrive supports complex transmission rules such as entire list loops, dynamically handling changes to the list's contents. New clips arriving on the server can immediately be inserted into an active list at any desired point.

ProDrive can also import playlists from Omneon PlayTool, making it easy to integrate into existing workflows or other parts of your business.

Full logging of transmission output is provided, making it easy to compare schedules and as-run content – ensuring that what went to air matches what was intended.

# **Enabling a Player for Playout**

#### To enable a Player for playing out clips:

1. From the Omneon ProDrive menu bar, click **Tools > Configuration**.

The ProDrive Configuration window opens.

2. From the Omneon ProDrive toolbar, click a Player tab.

3. Select the **Playout** option.

ProDrive Configurat	tion			23
General Appearance	Player 5301-B	Player 5321-A Pla	yer 5321-B	
Role None Playout VTR Ingest Scheduled Ingest	·			
Clip Preparation				
Name				
Name to appear on B	utton			
Channel Logo				
				Clear Logo Load Logo
Timecode/Time-of-day Time-of-day so	urce: Local PC	Time 🔹		
List Options				
Detached Clips to	keep: 2	<b>~</b>		
Clips to pr	eload: 10	-		
GPI Triggers Take Trigger: Disa	abled	Hold Trigger:	Disabled	
Recue Trigger: Dis	abled 🗖	<ul> <li>Drop Trigger:</li> </ul>	Disabled	-
Default Event Propert Control Type: Aut	ies :o-Follow 💌			
As-run logs				
Folder:				
			ОК	Cancel

Table 20. ProDrive Configuration—Player Tab

Role Playout	Enables the Player for automated clip playout.
Name	(Optional) Assigns a name to a button that represents a Player in playout or ingest roles. The button appears in the Overview window. The default name is the one configured in Omneon SystemManager.
Channel Logo	(Optional) Assigns a logo to the button that represents this Player. The logo appears in the Overview window. Click <b>Load</b> <b>Logo</b> to use a logo; click <b>Clear Logo</b> to remove it. Note that all images are resized to 48 x 48 pixels. Supported file types include .bmp, .jpg, .tif, and .png.

Timecode/Time of Day Time-of-day Source	<ul> <li>Specifies the time source used for issuing timed event commands such as playing or recording at a specific time of day.</li> <li>Local PC Time—uses the local time on the client PC as the time reference.</li> <li>Player LTC—uses the Linear timecode (LTC) of the Player as the time reference.</li> <li>Media Director Time—uses the media server time as the time reference.</li> <li>VITC Reference—uses SMPTE Vertical interval timecode (VITC) as the time reference. For frame accuracy, Omneon recommends using VITC Reference for Playout and Scheduled Ingest roles. Both the media server and MediaPort should be supplied reference from the same VITC reference source.</li> </ul>
List Options	<ul> <li>Detached Clips to keep— the number of completed items kept in view in the Playlist. If this is set to 5, the Playlist will show up to the last 5 completed or "Detached" clips.</li> <li>Clips to Preload—the number of items loaded on the Player's timeline and or in cue, including the currently playing clip. If this is set to 5 the playlist will show one item Playing, and 4 Ready. Refer to About Adding Placeholder Events to Playlists for important information.</li> </ul>
GPI Triggers	<ul> <li>Use to define triggers for:</li> <li>Take</li> <li>Hold</li> <li>Recue</li> <li>Drop</li> <li>You cannot reuse a port within a channel, but you can share ports across channels.</li> <li>Note: Supports the Advantech 4751L 50pin to USB external device (P/N: USB-4751L-AE, http://www.advantech.com/products/USB-4751L/mod_ABF6F937-9C73-4198-B3ED-D97A611482C8:aspx.</li> </ul>
Default Event Properties	Use to insert or add events to a playlist. This will be the default event type. The options are: • Auto-Follow • Hard-Timed • Manual
As-Run Logs	Use to define the location where you want to save the As-Run logs. If traffic ID exists, it will be saved to As-Run logs. See <b>Table 25</b> .

Table 20.	ProDrive	Configuration-	-Plaver T	ab (Continued)
		oomgalalon		

- 4. Configure the parameters you want.
- 5. Click **OK**.

#### About Adding Placeholder Events to Playlists

If a "placeholder" for a clip that is not present yet is put in a Playlist, the list will fail to start and return to idle state. This may occur in the following situations:

- There are several sequential placeholders all with a duration of 00:00:00:00 and no clip is defined.
- There are several sequential missing clips all with a duration of 00:00:00:00 but the clip is defined.
- Several events are dropped in order to hit a particular Hard-Timed event

To reduce the possibility of running into these issues, Omneon recommends that you set the **Clips to Preload** value to a large number such as 10.

# **Understanding the Playout Window**

The Playout window is arranged into different groups of controls and displays. From top to bottom, these are the Clip Status Area, Timecode, Playout Controls. A button bar is provided on the left side of the window. The Playlist panel is on the right.

### Controls

	Ele Edit Tools	Drive:							X
Players	Overview	Clip Management	dir9_6101_720p	dir9_5301_1080i	dir9_1010a_SD	dir10_5321b_1080i	dir10_5321a_720;	o dir10_1003a_SD	©OMNEON <sup>®</sup> ProDrive <sup>®</sup>
Area	New List	Playout: d	lir10_5321b_1080i	-	Descript	on Start Sto 00:00:0.00:	op Durati Cli	p Name Ty MPEG-2997-1080i- Au	npe Status 🛆
ip Status ——	Add Clips					00:00:0 00:	00:1 00:00: 54-	MPEG-2997-1080I Au	to
Area	Open List					00:00:0 00: 00:00:0 00:	00:1 00:00: 54- 00:1 00:00: 54-	MPEG-2997-1080i Au MPEG-2997-1080i Au	to
/ 104	Save List					00:00:0 00:	00:1 00:00: 54-	MPEG-2997-1080H Au	to
utton bar	Append List	-empty-			-empty-	00:00:0 00: 00:00:0 00:	00:1 00:00: 54- 00:1 00:00: 54-	MPEG-2997-1080i Au MPEG-2997-1080i Au	to
	Delead List					00:00:0 00:	00:1 00:00: 54-	MPEG-2997-1080H Au	to
mecode	Reload bac		:-:-	-:		00:00:0 00: 00:00:0 00:	00:1 00:00: 54- 00:1 00:00: 54-	MPEG-2997-1080i Au MPEG-2997-1080i Au	to
meeeue						00:00.0 00	00:1 00:00: 54	MPEG-2997-1080i Au	to
Playout		Start	Take	Drop Ne:	xt 🚽 🖂	00:00:0 00:	00:1 00:00: 54- 00:1 00:00: 54-	MPEG-2997-1080H Au MPEG-2997-1080H Au	to
Controls						00.00.000	00:1 00:00: 54-	MPEG-2997-1080i Au	to
		Stop List		Hold Net		00:00:0 00:	00:1 00:00: 54-	MPEG-2997-1080F Au MPEG-2997-1080F Au	to
					5	00:00:0 00:	00:1 00:00: 54-	MPEG-2997-1080i Au	to
		Loop List		Recue		00:00:0 00:	00:1 00:00: 54-	MPEG-2997-1080i Au	to
						00.00.0 00	00:1 00:00: 54-	MPEG-2997-1080i Au	to
						00:00:0 00:	00:1 00:00: 54-	MPEG-2997-1080i Au	to
						00:00:0 00:	00:1 00:00: 54- 00:1 00:00: 54-	MPEG-2997-1080F Au MPEG-2997-1080F Au	to 🗸
	Sorage:	8 hours free	-			U	st duration: 00:21:2	1;08 (128 events)	Reference Time: 14:09:24;02



Cinequest_Trailer_DV	Shows the name of the clip.
	Indicates the clip playout process is idle.
	Indicates a normal operating condition.
	Indicates a Warning condition that requires user intervention. For example, in a Playlist, an item may be cued but the Take button needs to be clicked. In a VTR Ingest, the Warning may be issued when you need to change reels
	Indicates an Error condition that requires user intervention. For example, in a Playlist, the clip for the next event may be missing. In a VTR Ingest, the Warning may be issued because an ingest failed to occur, or the ingest was invalid.
Stopped	Shows the status of the clip: Stopped, Paused, Forward, Rewind, Paused, or Playing.

Table 21.	Playout—Controls	(Continued)
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00:03:59;28	Shows duration elapsed, as represented by the timecode and progress bar. This will be displayed as <b>Time Count</b> or <b>Frame</b> <b>Count</b> , depending on the setting used in the General Configuration tab. If <b>Frame Count</b> is used, this will be displayed in frames, otherwise this is displayed as a Time counter.
00:01:00;02	Shows the duration remaining. This will be displayed as <b>Time</b> <b>Count</b> or <b>Frame Count</b> , depending on the setting used in the General Configuration tab. If <b>Frame Count</b> is used, this will be displayed in frames, otherwise this is displayed as a Time counter
00:03:59:22	Shows the current position of the clip in HH:MM:SS:FF (hours:minutes:seconds:frames). This will be displayed as <b>Timecode</b> , <b>Time Count</b> , or <b>Frame Count</b> depending on the setting used in the General Configuration tab.
Start	Starts the selected clip cued for playout
Stop List	Activates the currently loaded list. The first item in the list Cues.
Loop List	Loops the playlist so that once the last event in the playlist plays, the first event starts playing again. If Loop is enabled then the List options ( <b>Detached Clips to Keep, Clips to Preload</b> ) are ignored.
Take	Takes the next clip cued for playout and plays it out.
Drop Next	Drops the next clip cued for playout.
Hold Next	Holds the next clip cued for playout and waits for your action.
Recue	Recues the current clip back to the beginning of that clip.

### **Playlist Column Layout**

You can change and customize the playlist column layout.

#### Change Column Order

- a. Left-click on column header.
- b. Drag and drop the column to the new location.

#### Show and Hide Columns

- a. Right-click on the column header that you want to show or hide.
- b. Select the Visible Columns option from the menu.
- c. Choose **Reset** to go back to the factory default settings.

Column changes are automatically saved and applied to all Playout channels.

An Event List contains the following information:

Checkbox	Shows if the event is Enabled for playout: Checked - event is enabled Not checked - event is not enabled. The entire line will also be grayed out and the Status will shows Disabled.
Description	Descriptive information for event added by user. This is not tied to clip metadata.
Clip Name	Name of clip to be played for this event
Start	hh:mm:ss:ff when event starts (time of day) "If this is a Hard-timed event with a date specified, the date will appear to the right of the Start time mm/dd/yyyy
Stop	hh:mm:ss:ff when event stops
Duration	hh:mm:ss:ff for event
Туре	Control Type defining how this event will start (Manual, Hard, Auto)
Status	Shows state of Event/Clip, possible states are: "Ready - Event is scheduled for playback and the Clip is on the player's timeline but not yet cued "Cued - Event is scheduled for playback, clip is loaded into the Player and is cued to the specified in point "Playing - Clip is currently playing "Pending - Event is scheduled for playback but the Clip is not yet on the player's timeline "Detached - Event is complete "Missing - Event is scheduled but clip is missing. This event will be skipped if no corrective action is taken. "Disabled - Event is scheduled but not enabled for playout. This event will be skipped.
Traffic ID	Shows the customer provide traffic identifier for this event/clip

Table 22. Event List Column Descriptions

The following illustration shows an example of a playlist with clips.

Description	Clip Name	Start	Stop	Duration	Туре	Status	Traffic ID
<b>V</b>	TC_window_burn1.mov	10:16:09;12	10:16:19;12	00:00:10;00	Manual		12357
<b>V</b>	TC_window_burn2.mov	10:16:19;12	10:16:29;12	00:00:10;00	Auto		1241
	TC_window_burn3.mov	10:16:29;12 10/12/2011	10:16:39;12	00:00:10;00	Hard		77895
<b>V</b>	TC_window_burn4.mov	10:16:39;12	10:16:49;12	00:00:10;00	Auto		44579
	TC_window_burn5.mov	10:16:49;12	10:16:59;12	00:00:10;00	Auto	Disabled	12358
	TC_window_burn6.mov	10:16:59;12	10:17:49;14	00:00:50;00	Auto		2345678
<b>V</b>	TC_window_burn7.mov	10:17:49;14	10:18:39;16	00:00:50;00	Auto		7970987t0
<b>V</b>	TC_window_burn8.mov	10:18:39;16	10:19:29;18	00:00:50;00	Auto		8-09-u0=u-0=
<b>V</b>	TC_window_burn9.mov	10:19:29;18	10:20:19;18	00:00:50;00	Auto		475768768m89tm89
<b>V</b>	TC_window_burn10.mov	10:20:19;18	10:21:09;20	00:00:50;00	Auto		86568,r79
<b>V</b>	TC_window_burn1.mov	10:21:09;20	10:21:19;20	00:00:10;00	Auto		1111
<b>V</b>	TC_window_burn2.mov	10:21:19;20	10:21:29;20	00:00:10;00	Auto		1123
<b>V</b>	TC_window_burn3.mov	10:21:29;20	10:21:39;20	00:00:10;00	Auto		555
<b>V</b>	TC_window_burn4.mov	10:21:39;20	10:21:49;20	00:00:10;00	Auto		7777
<b>V</b>	TC_window_burn5.mov	10:21:49;20	10:21:59;20	00:00:10;00	Auto		45678
<b>V</b>	TC_window_burn6.mov	10:21:59;20	10:22:49;22	00:00:50;00	Auto		9876543
<b>V</b>	TC_window_burn7.mov	10:22:49;22	10:23:39;24	00:00:50;00	Auto		876543
<b>V</b>	TC_window_burn8.mov	10:23:39;24	10:24:29;26	00:00:50;00	Auto		7t68.79870r695e
<b>V</b>	TC_window_burn9.mov	10:24:29;26	10:25:19;28	00:00:50;00	Auto		686e8,79.7t0

### **Buttons**

Table	23.	<b>Playout—Buttons</b>
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New List	Clears the Playlist panel, enabling you to load a new playout list.
Add Clips	Add one or more clips to the Playlist.
Open List	Opens a playout list in the Playlist panel.
Save List	Saves the current playout list using the name and directory of your choice.
Append List	Appends the selected playout list to the current list in the Playlist panel.
Reload List	Reloads the current Playlist.

### Menus

File	<ul> <li>New List—clears the Playlist panel enabling you to load a new playout list.</li> <li>Open List—opens a playout list in the Playlist panel.</li> <li>Save List—saves the current playout list using the name and directory of your choice.</li> <li>Exit—closes ProDrive and exits the application.</li> </ul>
Edit	<ul> <li>Cut—removes the selected event from the Playlist panel.</li> <li>Paste—pastes the selected event in the Playlist panel.</li> <li>Delete Events—deletes the selected Events from the Playlist panel.</li> <li>Copy—copies the selected event in the Playlist panel.</li> <li>New Event—creates a new event.</li> <li>Delete Events—deletes the selected Events from the Playlist panel.</li> <li>Edit Event—edits the selected event.</li> <li>Select All—selects all Events in the Playlist panel.</li> </ul>
Tools	<ul> <li>Configuration—configures ProDrive.</li> <li>VTR Control—selects the COM port through which ProDrive communicates with the VTR.</li> <li>View Log—displays the event log at the bottom of the window.</li> </ul>
Help	About—provides information about the ProDrive release.

#### Table 24. Playout-Menus

# **Understanding the Playout List Text File**

Playlists can be created in ProDrive, or in an external application and imported into ProDrive. You can create them with a text editor, using tabs to separate the fields, and then save them with a .txt extension.

Clip	Clipname with path.							
Start	hh:mm:ss:ff when event starts (time of day).							
Stop	h:mm:ss:ff when event stops.							
Duration	hh:mm:ss:ff for event, if left blank, event uses clip duration.							
TrafficID	This is where the traffic sequence number should be placed.							
Date	yyyy-mm-dd when event is to run.							
Туре	Trigger Type for event (Manual, Hard, Auto).							
Description	Descriptive information for event added by user. This is not tied to clip metadata.							
Enabled	Indicates if event should play or not (0 - enabled, 1 - disabled).							
In point	hh:mm:ss:ff, of clip's timecode for first frame, if left blank, event uses clip default In point.							

A Playlist	contains the	e following i	information:
Table 25.	Playlist Text	File Definit	tions

The following illustration shows an example of a playout list.

\fs0\ProDrive\TC_window_burn_15.mov	00:00:00;00	00:00:00;00	00:00:30;00	55abcxy	Auto	this is the clip description	0	18:10:00;00
\fs0\ProDrive\TC_window_burn_14.mov	00:00:00;00	00:00:00;00	00:00:30;00	452ppx	Auto	this is the clip description	0	18:09:55;00
\fs0\ProDrive\TC_window_burn_13.mov	00:00:00;00	00:00:00;00	00:00:30;00	wxyv123	Auto	this is the clip description	0	18:10:13;20
\fs0\ProDrive\TC_window_burn_12.mov	00:00:00;00	00:00:00;00	00:00:30;00	494u5p9	Auto	this is the clip description	0	18:10:03;20
\fs0\ProDrive\TC_window_burn11.mov	00:00:00;00	00:00:00;00	00:00:30;00	4rf7ikO	Auto	this is the clip description	0	18:09:53;20
\fs0\ProDrive\TC_window_burn_10.mov	00:00:00;00	00:00:00;00	00:00:50;00	poomj7t	Auto	this is the clip description	0	18:09:53;20

**NOTE:** When manually creating a playlist and running with drop frame, be sure to account for drop frame in the start time and duration columns. Use 00:00:00;00 instead of 00:00:00:00.

# **Managing Playlists**

This section explains how to manage playlists and contains the following topics:

- Opening Playlists
- Appending Playlists
- Saving Playlists
- Clearing Playlists
- About Status Updates to the Playlist

### **Opening Playlists**

#### To open a playlist:

- 1. From the Omneon ProDrive toolbar, click a Player configured for playout.
- 2. In the Playout window button bar, click **Open List**.

The Open List window opens.

3. Select your list and then click **Open**.

### **Appending Playlists**

#### To append a playlist:

- 1. From the Omneon ProDrive toolbar, click a Player configured for playout.
- 2. In the Playout window button bar, click AppendList.

The Append List window opens.

3. Select your list and then click **Append**.

The list is appended to the current one in the Playlist panel.

### **Saving Playlists**

#### To save the current playlist:

- 1. From the Omneon ProDrive toolbar, click a Player configured for playout.
- 2. Edit the playlist, as required.

Go to Editing Playout Events for information.

3. In the Playout window button bar, click **Save List**.

The Save As dialog window opens.

4. Specify a name and location for the list

5. Click Save.

The list is saved using a name and directory of your choice.

### **Clearing Playlists**

#### To clear a playlist:

- 1. From the Omneon ProDrive toolbar, click a Player configured for playout.
- 2. In the Playout window button bar, click New List.

The current list is removed from the Playlist panel and you can now open a new playlist.

### About Status Updates to the Playlist

The system checks for missing clips, updates, and changes to duration and In/Out points and applies the following rules:

- If a clip is missing, the Status changes to Missing, in red.
- If a clip exists but is recording, the duration reflected in the event list will be equal to the current known duration.
- If a clip had been missing but now exists, the status will change to either Pending or Ready, depending on if that clip is outside or inside the Cue window (Clips to Preload).
- To ensure that you can view the active event in the playout window, configure the **Clips to Keep** value in the Player configuration to a number that will fit within the screen size that you use.

Any time the ProDrive application is opened, and the system is configured for playout, the system will try to "Join" the Player's state. Thus, if you close the ProDrive application and there are Events on a Player's timeline that are being played, the next time you open the ProDrive application, ProDrive will try to figure out where in the Playlist you are, then join/start that list .

- When a clip goes from **Pending** to **Ready**, the system does another check on that clip to get the latest information.
- If you wish to edit a clip, open the Edit window and click **Ok**. The system will do a check and get the latest information. A clip is considered edited even if you only just open the Edit window.

# **Managing Playout Events**

This section explains how to manage playout event. It covers the following topics:

- Creating Playout Events
- Editing Playout Events
- Copying and Pasting Playout Events
- Cutting Playout Events
- Deleting Playout Events

Selecting All Playout Events

### **Creating Playout Events**

#### To create:

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- 1. From the Omneon ProDrive toolbar, click a Player configured for playout.
- 2. Right-click anywhere in the Playlist panel and select New Event.

The Add Playout Event window opens.

Add Playout Ev	rent	×
Cip Name		OK Cancel
Start Stop	Auto-Foliow 9/29/2009 9	
In Point Duration	00:00:00;00	

#### Table 26. Add Playout Event

Enabled	Enables the Event for playout.						
Description	Provides a description of the Event.						
Clip Name	Selects the Event you want from the default directory.						
Timing: Clip Type	<ul> <li>Auto-Follow—Enables the Event to play out after the preceding Event finishes.</li> <li>Hard-Timed—Enables the Event to playout according to the scheduled start date and time.</li> <li>Manual—Enables the Event to playout only when you initiate a Take command. This can be accomplished using the Take button, setting a GPI trigger, or using the keyboard keys by clicking Ctrl + T. Manual events take precedence over Hard-Timed events.</li> </ul>						
Timing: Start	Specifies the start time and date for Hard-Timed configured Event.						
Timing: Stop	Specifies the end time and date for Hard-Timed configured Event.						
Timing: In Point	Causes the clip to start playing from the specified point in HH:MM:SS:FF (hours:minutes:seconds:frames). The selected clip is cued to the specified timecode location.						
Timing: Duration	Specifies the duration of the clip playout in HH:MM:SS:FF (hours:minutes:seconds:frames).						

3. Configure the parameters you want.

4. Click OK.

The new event is added to the Clip Playout list.

### **Editing Playout Events**

#### To edit a playout event:

- 1. From the Omneon ProDrive toolbar, click a Player configured for playout.
- 2. Right-click the event you want in the Playlist panel and select Edit Event.

The Edit Playout List window opens.

Add Playout Event	t				×
C Enabled					ОК
Description					Cancel
					cuncer
Clip Name					
Traffic ID					
Timing					
Clip Type:	Auto-Follow	-			
Start:		Date:	10/11/2011	Ŧ	
Stop:					
🔲 In Point:	00:00:00;00				
Duration:	00:00:00;00				

3. Configure the parameters you want.

See Creating Playout Events for more information.

4. Click OK.

**NOTE:** There is a 5 second lockout on events. This means you cannot initiate a Drop Next or otherwise edit the Next event if the current event is within 5 seconds of completing.

#### Black can flicker on output:

Black can flicker momentarily on the output when the event following a Cued Held event is edited.

- 1. Start a playlist.
- 2. Take the first event.
- 3. While the first event is playing, click **Hold Next**. Event #2 is now Held.
- 4. Wait for the first event to complete. You will see a freeze of the first frame of the clip for event #2, the held event.
- 5. Edit event #3 by doing a Drop Next, Disabling or Enabling, or editing the event to use a different clip.

When any of the edits in step 5 are done, output goes black momentarily while the timeline changes are made.

### **Copying and Pasting Playout Events**

#### To copy and paste playout event(s):

- 1. From the Omneon ProDrive toolbar, click a Player configured for playout.
- 2. Right-click the event(s) you want in the Playlist panel and select **Copy**.
- 3. Right-click anywhere in the Playlist panel, and select Paste.

The Event(s) are copied and pasted to the Playlist panel.

### **Cutting Playout Events**

To remove an event from a Playlist so you can paste it elsewhere, cut the event.

#### To cut a playout event:

- 1. From the Omneon ProDrive toolbar, click a Player configured for playout.
- 2. Right-click the Event you want in the Playlist panel and select Cut.

### **Deleting Playout Events**

To permanently remove an event from a Playlist, delete the Event.

#### To delete a playout event:

- 1. From the Omneon ProDrive toolbar, click a Player configured for playout.
- Right-click the event you want in the Playlist panel and select Delete Event. A confirmation window opens.
- 3. Click Yes.

### **Selecting All Playout Events**

#### To select:

- 1. From the Omneon ProDrive toolbar, click a Player configured for playout.
- 2. Right-click anywhere in the Playlist panel and select Select All.

All Events in the Playlist panel are now selected.

# **Playing Clips**

#### To play one or more clips:

- 1. From the Omneon ProDrive toolbar, click a Player configured for playout.
- 2. Do one of the following:
  - In the Playout window button bar, click Open List.
     Load the list you want to play.
  - In the Playlist panel, right-click anywhere in the panel and select **New Event**. Create the new Events you want to play.
- 3. To start playout, click **Start**.
- 4. Depending on how your event or playlist is configured, do one or more of the following:
  - If the event is Auto-follow, click **Take** to start the first event.
  - To deactivate the list and keep currently loaded clips from playing out, click **Stop**.
  - To manually trigger the next cued Event to play, click **Take**.
  - To drop the next clip cued for playout, click **Drop Next**.
  - To hold the next clip cued for playout and wait for your next action, clip Hold Next.
  - To recue the current clip back to the beginning, click Recue. Press TAKE to start the clip playing.



# CHAPTER 8 Managing Clips

## In this Chapter

- Overview
- Viewing Clips
- Managing Clips
- Adding Custom Metadata to Clip User Data
- Managing Clip Folders

## **Overview**

The clip management features in ProDrive help you to manage the content stored in your Omneon media server. With a full explorer view of the server's contents, you can rename, move, copy and delete clips, all from your desktop. Even with complex reference or self-contained clips, a consolidated view makes your content manageable and accessible. Folder structures within the media server can also be created and organized with ProDrive.

# **Understanding the Clip Management Window**

The Clip Management window displays clips for use by ProDrive. The default directory is specified during system configuration.

🗷 Omneon ProDrive: Current Folder: VIsO'\clip.dir\10sec\2997_1080i								
Overview Clip Manage	dir9_6101_720p dir9_5301_1080i	dir9_1010a_SD	dir10_5321b_	1080i di	ir10_5321a_720p	dir10_1003a_SD		
						الــــــــــــــــــــــــــــــــــــ	ProDrive	
Current Folder: \fs0\clip.dir\1	Osec\2997_1080i						Filter	
Folders 4	Name	<ul> <li>Duration</li> </ul>	Format	Framerate	Last Modified F	ileType Tracks	<u>A</u>	
⊡–\fs0	54-DVCPRO100-2997-1080i-OP0TypeA-I-100-aiff.mxf	00:00:10;00	1920×1080	29.97fps	6/23/2009 1 M	IXF, Re 1 DV Video, 1 PC	M Audio	
- cin dir	54-DVCPRO100-2997-1080i-OP0TypeA-I-100-wav.mxf	00:00:10;00	1920×1080	29.97fps	6/23/2009 1 M	IXF, Re 1 DV Video, 1 PC	M Audio	
	54-DVCPRO100-2997-1080i-OP1a-I-100-aiff.mxf	00:00:10;00	1920×1080	29.97fps	6/23/2009 1 M	IXF, E 1 DV Video, 1 PC	M Audio	
== IUsec	54-DVCPRO100-2997-1080i-OP1a-I-100-wav.mxf	00:00:10;00	1920×1080	29.97fps	6/23/2009 1 M	IXF, E 1 DV Video, 1 PC	M Audio	
- 25_1080i	54-DVCPRO100-2997-1080i-OP1b-I-100-aiff.mxf	00:00:10;00	1920×1080	29.97fps	6/23/2009 1 M	IXF, E 1 DV Video, 1 PC	M Audio	
-25_SD	54-DVCPRO100-2997-1080i-OP1b-I-100-wav.mxf	00:00:10;00	1920×1080	29.97fps	6/23/2009 1 M	IXF, E 1 DV Video, 1 PC	M Audio	
-50 720p	54-DVCPRO100-2997-1080i-QTREF-I-100-aiff.mov	00:00:10;00	1920×1080	29.97fps	9/16/2009 1 Q	uicktim 1 DV Video, 1 PC	M Audio	
2007 1090	54-DVCPRO100-2997-1080i-QTREF-I-100-wav.mov	00:00:10;00	1920×1080	29.97fps	9/16/2009 1 Q	uicktim 1 DV Video, 1 PC	M Audio	
-2777_10001	54-DVCPRO100-2997-1080i-QTSELF-I-100-aiff.mov	00:00:10;00	1920×1080	29.97fps	9/16/2009 1 Q	uicktim 1 DV Video, 1 PC	M Audio	
- 2997_SD	54-DVCPRO100-2997-1080i-QTSELF-I-100-wav.mov	00:00:10;00	1920×1080	29.97fps	9/16/2009 1 Q	uicktim 1 DV Video, 1 PC	M Audio	
- 5994_720p	54-MPEG-2997-1080i-OP0TypeA-I-50-aiff.mxf	00:00:10;00	1920×1080	29.97fps	6/23/2009 1 M	IXF, Re 1 MPEG Video, 1	PCM Audio	
config	54-MPEG-2997-1080i-OP0TypeA-I-50-wav.mxf	00:00:10;00	1920×1080	29.97fps	6/23/2009 1 M	IXF, Re 1 MPEG Video, 1	PCM Audio	
- EDL	54-MPEG-2997-1080i-OP0TypeA-L-100-aiff.mxf	00:00:10;00	1920×1080	29.97fps	6/23/2009 1 M	IXF, Re 1 MPEG Video, 1	PCM Audio	
500	54-MPEG-2997-1080i-OP0TypeA-L-100-wav.mxf	00:00:10;00	1920×1080	29.97fps	6/23/2009 1 M	IXF, Re 1 MPEG Video, 1	PCM Audio	
-re-	54-MPEG-2997-1080i-OP0TypeA-X-50-aiff.mxf	00:00:10;00	1920×1080	29.97fps	6/23/2009 1 M	IXF, Re 1 MPEG Video, 1	PCM Audio	
- omD201298	54-MPEG-2997-1080i-OP0TypeA-X-50-wav.mxf	00:00:10;00	1920×1080	29.97fps	6/23/2009 1 M	IXF, Re 1 MPEG Video, 1	PCM Audio	
ProDrive	54-MPEG-2997-1080i-OP1a-I-50-aiff.mxf	00:00:10;00	1920×1080	29.97fps	6/23/2009 9 M	IXF, E 1 MPEG Video, 1	PCM Audio	
Lest records	54-MPEG-2997-1080i-OP1a-I-50-wav.mxf	00:00:10;00	1920×1080	29.97fps	6/23/2009 1 M	IXF, E 1 MPEG Video, 1	PCM Audio	
	54-MPEG-2997-1080i-OP1a-L-100-aiff.mxf	00:00:10;00	1920×1080	29.97fps	6/23/2009 1 M	IXF, E 1 MPEG Video, 1	PCM Audio	
	54-MPEG-2997-1080i-OP1a-L-100-wav.mxf	00:00:10;00	1920×1080	29.97fps	6/23/2009 1 M	IXF, E 1 MPEG Video, 1	PCM Audio	
	54-MPEG-2997-1080i-OP1a-LL-I-50-aiff.mxf	00:00:10;00	1920×1080	29.97fps	6/23/2009 9 M	IXF, E 1 MPEG Video, 1	PCM Audio	
	54-MPEG-2997-1080i-OP1a-LL-I-50-wav.mxf	00:00:10;00	1920×1080	29.97fps	6/23/2009 1 M	IXF, E 1 MPEG Video, 1	PCM Audio	
	54-MPEG-2997-1080i-OP1a-LL-L-100-aiff.mxf	00:00:10;00	1920×1080	29.97fps	6/23/2009 1 M	IXF, E 1 MPEG Video, 1	PCM Audio	
	54-MPEG-2997-1080i-OP1a-LL-L-100-way.mxf	00:00:10;00	1920×1080	29.97fps	6/23/2009 1 M	IXF, E 1 MPEG Video, 1	PCM Audio 👽	
	40 Clips							

The window contains a scrollable, multi-column list of clips in the file system. The list is arranged in alphabetical order and shows all clips in the current directory. You can resize the columns by clicking and dragging the boundary between the column headers. Click any of the columns to sort the clips based on what you clicked.

Name	Shows the name of the clip, along with the file extension.			
Duration	Shows the total clip length (regardless of stored in-points and out-points).			
Format	Shows the aspect ratio of the clip.			
Framerate	Shows the frame rate of the clip.			
Last Modified	Shows the date and time the clip was created or last modified.			
FileType	Shows the video file type.			
Tracks	Shows the number of video and separate audio channels that have been recorded.			

#### Table 27. Clip Management

You can also filter the list of clips based on search criteria. In the **Filter** box, enter your search criteria to only show those clips containing the string in the name.

The default sort order when listing clips through a cliplist is newest to oldest (not alphabetical). This applies to:

- Clip Management
- Clip Prep Load Clip
- Clip Prep Add Clip
- Playout Add Clips

### Menus

File	• Exit—Quits ProDrive.
Edit	<ul> <li>Delete—Deletes the selected clip.</li> <li>Rename—Renames the selected clip.</li> <li>Properties—Displays the clip's properties.</li> <li>Select All—Selects all clips in the list.</li> </ul>
View	<ul> <li>Simple—Shows the default clip list.</li> <li>Complex—Allows you to independently modify essense and clip files.</li> <li>Refresh—Refreshes the list.</li> </ul>
Tools	<ul> <li>Configuration—Configures ProDrive.</li> <li>VTR Control—Selects the COM port through which ProDrive communicates with the VTR.</li> <li>View Log—Displays the event log at the bottom of the window.</li> </ul>
Help	About—Provides information about the ProDrive release.

Table 28. Clip Management—Menus

# **Viewing Clips**

This section provides the following topics:

- Filtering Clips
- Viewing Clips in a Folder
- Viewing Clip Properties

### **Filtering Clips**

#### To filter clips based on their name:

1. From the Omneon ProDrive toolbar, click Clip Management.

The Clip Management window opens.

2. In the **Filter** field, enter the search criteria you want.

ProDrive filters the table based on your search criteria.

### Viewing Clips in a Folder

#### To view a description of a clip:

1. From the Omneon ProDrive toolbar, click **Clip Management**.

The Clip Management window opens.

2. Hover the pointer over the clip you want.

A description of the clip appears in a pop-up window.

### **Viewing Clip Properties**

#### To view the properties of a clip:

1. From the Omneon ProDrive toolbar, click Clip Management.

The Clip Management window opens.

- 2. Right-click the clip you want.
- 3. Select **Properties** from the pop-up menu.

🖀 Clip Properties: /f	s0/ProDrive/CPN/so	urce_1.mov			
Name:	source_1				ОК
Type:	– Quicktime Reference, 29.97fps				
Size:	11.8KB (12,062 bytes	5)			
Duration:	00:00:05:02				
Last Modified:	12/7/2009 13:05:18				
Created:	12/7/2009 13:05:18				
In Point (SOM):	10:28:11;16	Out Point (EOM)	): 10:28:16;17		
First Frame:	10:28:11;16	Last Frame:	10:28:16;17		
Protected	🗹 Playable		Record in progress		
Property	Value				
🕀 Track 2	DV Audio				
😑 User Data					
ovn_copy_qpi	D2_01298H0;/fs0/ProDriv	ve/CNN/source.m	ov(-1/-1);/fs0/ProDriv		
- ovn_creation	D2_01298H1(Dir2 Releas Rec1(dir110) local_10.5.30.76:2228 Tap1P5820 vitc14_16 /fs0/ProDrive/CNN/source in:0 out:152 12/7/2009 18:28:09	e 5.4.1.14-09112 e-1.mov	2514 (release_5_4_1))		
TYPE	Drama				
TITLE	homecoming				
codePage	UTF8			≣	
clipProps					
mediaLayerVe	5.4.0.0				
umid	0x060A2B340101010501	01052313007156	822A55455EE3DE118		
sw∀ersion	Omneon ,ex={0,-1},rng=	={0,-1,0},exPre		~	

Name	Shows the clip name.		
Туре	Shows the clip file type, along with the frame rate. For example, Quicktime Reference 29.97 fps or MXF Embedded 29.97 fps.		
Size	Shows the size of the clip in megabytes.		
Duration	Shows the total clip length (regardless of stored in and out- points) in HH:MM:SS:FF (hours:minutes:seconds:frames).		
Last Modified	Shows the date and time the clip was last modified.		
Created	Shows the date and time the clip was created.		
In Point (SOM)	Shows the in point time code.		
Out Point (EOM)	Shows the out point time code.		
First Frame	Shows the first frame of the media in HH:MM:SS:FF (hours:minutes:seconds:frames).		
Last Frame	Shows the last frame of the media in HH:MM:SS:FF (hours:minutes:seconds:frames).		
Protected	Indicates if the clip cannot be edited.		
Playable	Indicates the clip is ready to play.		
Record in progress	Indicates the clip is being recorded.		
Property	Lists the tracks and user data associated with the clip.		
Value	Lists all metadata associated with the clip such as Type, Title, Sample Ratio, Aspect Ratio, Channels, Sample Rate, BitRate, Bits per unit, Format, and Media File.		

Table 29. Clip Management—Clip Properties

# **Managing Clips**

This section provides the following topics:

- Selecting Clips
- Sorting Clips
- Renaming Clips
- Copying Clips
- Moving Clips
- Deleting Clips
- Changing to Complex View

### **Selecting Clips**

#### To select one or more clips:

1. From the Omneon ProDrive toolbar, click Clip Management.

The Clip Management window opens.

- 2. Do one or more of the following:
  - Use the Arrow keys to move the highlight, or click the mouse on the clip you want.
  - Hold down **Shift** and click to select a continuous range.
  - Hold down Ctrl and click to select a discontinuous range.

### **Sorting Clips**

#### To sort clips by one or more criteria:

1. From the Omneon ProDrive toolbar, click Clip Management.

The Clip Management window opens.

2. Click the table column header you want to use to sort.

The table is sorted in ascending or descending alphabetical, numerical, or chronological order, depending on the selected column.

### **Renaming Clips**

#### To rename a clip:

1. From the Omneon ProDrive toolbar, click Clip Management.

The Clip Management window opens.

2. Right-click the clip you want to rename and select **Rename** from the pop-up menu.

Rename file	X
Rename 0903185C_00000.mov to	
0903185C_00000.mov	
OK Cancel	

- 3. In the **Rename file** pop-up window, enter the new file name.
- 4. Click **OK**.
# **Copying Clips**

### To copy a clip:

1. From the Omneon ProDrive toolbar, click Clip Management.

The Clip Management window opens.

2. Ensure the display is in **Simple** view.

Tip: To change to Simple view, click View > Simple.

- 3. Right-click the clip you want.
- 4. Select **Duplicate** from the pop-up menu.
- 5. In the **Duplicate file** pop-up window, enter the name of the duplicate file.

Duplicate file	×
Duplicate 0903185C_00000.mov to	
Duplicate.mov	
OK Cancel	

6. Click OK.

ProDrive starts to duplicate the clip. The status of the "copy" operation is displayed in the status bar at the lower left corner of the window.

## **Moving Clips**

### To move a clip from one folder to another:

1. From the Omneon ProDrive toolbar, click Clip Management.

The Clip Management window opens.

2. Ensure the display is in **Simple** view.

Tip: To change to Simple view, click View > Simple.

- 3. Select the clip you want.
- 4. Drag the clip to the Folders panel on the left and drop the clip on the sub-folder you want to contain it.

## **Deleting Clips**

#### To delete a clip:

1. From the Omneon ProDrive toolbar, click Clip Management.

The Clip Management window opens.

2. Right-click the clip you want to delete.

Tip: To select multiple clips, hold down the CTRL key while right-clicking on each clip you want to delete.

3. Select **Delete** from the pop-up menu.

A confirmation window opens.

4. Click OK.

**NOTE:** If a clip's "Protection Bit" has been set by an external application (such as an automation system), the system will be unable to delete the clip.

## **Changing to Complex View**

#### To change the clip management display to complex view:

1. From the Omneon ProDrive toolbar, click Clip Management.

The Clip Management window opens.

2. From the Menu bar, select View > Complex. Click Yes in the Confirmation pop-up window.

The Clip Management window displays in complex view.

Ele Edit Verview         Tods Help           Overview         Clip Annagement         Playout         Playout </th <th>📨 Omneon ProDriv</th> <th>re</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	📨 Omneon ProDriv	re									
Overview         Clip Entropement         Playout         Playout           Current Folder:         Visiolop.dr         File         File           Folders         Name         Duration         Format         Framerate         Last Modified         FileType         Tracks           • Avrid MedaFiles         0000a_tmerk15.mmf         4/20/2009 72:30:         4/20/2009 72:30:         1/25:2007           • Chequest2007         090128_1407.mmf         4/20/2009 72:30:         4/20/2009 72:30:         1/28/2009 3:400           • Chequest2009         090023_1305_5A1         2/2/2009 1:09:0         2/2/2009 1:09:0         2/2/2009 2:53:2           • clip dimma         090023_1351.mmf         2/2/2009 2:53:2         2/2/2009 2:53:2         9/2/2009 2:55:           • clip dimma         090023_1351.mmf         2/2/2009 2:53:2         2/2/2009 2:55:         9/2/2009 2:55:           • clip dimma         090023_1351.mmf         2/2/2009 2:55:         9/2/2009 2:55:         9/2/2009 2:55:           • clip dimma         090023_1351.mmf         2/2/2009 2:55:         9/2/2009 2:55:         9/2/2009 2:55:           • clip dimma         090023_1351.mmf         2/3/2009 2:55:         9/3/2/2009 2:55:         9/3/2/2009 2:55:           • clip dimma	Eile Edit View Tools	File Edit View Iools Help									
Current Folder:         Ys0ldp.dr         Filter           Folder:         Nome         Duration         Format         Framerate         Last Modified         Filterype         Tracks           * AVTM         0000a_tmerkl4.im/d         0000a_tmerkl4.im/d         0000a_tmerkl4.im/d         0000a_tmerkl4.im/d         1/20/200974.50/m           * Avd MediadFiles         0000a_tmerkl4.im/d         4/20/200974.50/m         0000a_tmerkl4.im/d         0000a_tmerkl4.im/d         1/20/200974.50/m           * Cinequest2000         0000a_tmerkl4.im/d         4/20/200974.50/m         0/27.50/m         0/27.50/m         0/27.50/m           * Cinequest2009         092003_120_40/m         1/28/2009 3.00/m         0/27.50/m         0/27.50/m         0/27.50/m           * Cinequest2009         092003_120_40/m         2/21/2009 3.00/m         2/21/2009 3.00/m         0/27.50/m         0/27.50/m         0/27.50/m           * Cinequest2009         092003_1216/m.m         2/21/2009 2.96/m         2/21/2009 2.96/m         0/27.50/m         0/27.50/m         0/27.50/m           * Cinequest2009         092003_1216/m.m         2/21/2009 2.95/m         2/21/2009 2.95/m         0/27.50/m         0/27.50/m         0/27.50/m           * Cinequest2009         092003_135/m         2/21/2009 2.95/m         2/21/2009 2.95/m         0/27.50	Overview	ip anage	Playout							<b>Z</b> ON Pro	MNEON° <b>Drive</b> ™
Folders         Avance         Duration         Frame         Last Modified         File         Tracks           - Ardt Media/files         00009_tmerk14.mm/         00009_tmerk15.mm/         01/21/2009.1009.mm/         00009_tmerk15.mm/         01/21/2009.1009.mm/         00009_tmerk15.mm/         00000_tmerk15.mm/         0000	Current Folder: \fs0\clip	.dir								Filter	
ATM         0006_thm/sl.4mm/         0006_thm/sl.4mm/         0006_thm/sl.4mm/           c         Avid Meda/Field         0003_thm/sl.5mm/         4/50/2009 7/52:           c         Chequest2007         0275:007.mm/         9/21/2008 3-40:           c         Chequest2009         090023_1205_5A1         2/2/2009 1:06:0           c         Chequest2009         090023_1205_5A1         2/2/2009 1:06:0           c         Chequest2009         090023_1205_5A1         2/2/2009 1:06:0           c         Ohequest2009         090023_1215.mmf         2/2/2009 2:48:3           c         dp.dim.an         090023_135.mmf         2/2/2009 2:56:5           c         dp.dim.an         090023_155.mmf         2/2/2009 2:56:5           c         dp.dim.an         09003155_0.0000.mov         3/18/2009 1:4:4           c         dp.dist_chr         0903155_0.0000.mov         3/18/2009 1:4:4           c         dp.dist_chr         0903155_0.0000.mov         3/18/2009 1:4:4	Folders	^	Name	Duration	Format	Framerate	Last Modified	FileType	Tracks		
-directopy         000185_00004.mov         3/16/2009 11:5           to baby         000185_00005.mov         3/18/2009 11:5           to dab         0000185_00005.mov         3/18/2009 11:5           by 50         090316_00000.mov         3/18/2009 11:5           to VCPROHD         090316_00000.mov         3/18/2009 11:0           to VCPROHD         090316_00000.mov         3/18/2009 11:0	ATTM     Avid MediaFiles     Cinequest2007     Cinequest2008     Cinequest2008     Cinequest2008     Cip.dp.dir.main     clip_dalet.dir     clip_delt.dir     config     delet     directcopy     Dolby     dub     DVSPRCHD     CVPRCHD		0000_tmeH14.mof           0000_tmeH14.mof           0001a_tmeH15.mof           0001a_tmeH15.mof           0001a_tmeH14.mof           001a_tmeH14.mof           001a_tmeH14.				4/50/2009 7:50: 4/30/2009 7:52: 4/30/2009 7:52: 3/21/2008 3:40: 1/28/2009 3:40: 2/3/2009 1:46:0 2/3/2009 1:46:0 2/3/2009 2:46:3 2/3/2009 2:46:3 2/3/2009 2:46:3 3/18/2009 1:14 3/18/2009 1:15 3/18/2009 1:15				

# Adding Custom Metadata to Clip User Data

Starting with release 1.1, ProDrive allows you to add custom metadata to the user data of a clip. The metadata is then permanently stored in the clip and can be viewed by any application accessing the clip. The first step is to create an XML file where the custom metadata is defined. The XML file then provides additional fields for user input during Crash Recording and the saving of clips.

#### To create an XML file:

- 1. Close the ProDrive application.
- 2. Open a text file named "metadata" and save as "metadata.xml" to the location where ProDrive.exe is installed. The default location is C:\Program Files\Omneon\ProDrive.
- 3. Open "metadata.xml" and enter text following the format in this sample:

```
<?xml version="1.0" encoding="UTF-8"?>
<metadata>
   />
   <item name="TYPE"
        default=""
        prompt="Enter the content type,i.e. News, Sports, CA, etc"
        displayname="TYPE"
        maxlength="20"
   />
   <item name="TITLE"
        default=""
        prompt="Enter the title here"
        displayname="TITLE"
        maxlength="20"
   />
```

</metadata>

Note the following:

- Item name: The key name in the user metadata. Valid characters are US ASCII only. For example: <item name="TYPE"
- **default**: The pre-filled value which appears in the text box for Crash Record or Save-As/Flatten. Full unicode is supported. For example: default="clip"
- prompt: The instructions which appear in the text box for Crash Record or Save-As/Flatten if no other data is present, and the text box is not in focus. Full unicode is supported. For example: prompt="Enter the content type,i.e. News, Sports, CA, etc"
- **displayname**: The name of the metadata field that the user will see. It appears to the left of the text box. Full unicode is supported. For example: Displayname="TITLE"
- maxlength: The maximum length value which defines the numbers of characters the user can enter in the UI. The Default is 100. For example: maxlength="20"

### To view or edit the custom metadata of a clip:

1. Launch the ProDrive application.

You can view custom metadata for a clip at any of the following locations:

### **Crash Record**

- a. Select a Player you have configured for Clip Preparation.
- In the Clip Preparation window button bar, click Crash Record. The Crash Record dialog opens.

Crash Record		
Clip Name		
Destination Folder	/fs0/ProDrive/	
Duration	01:00:00;02	
Түре	Enter the content type,i.e. News, Sports,	CA, e
TITLE	Enter the title here	
<b>O</b> Record	Stop Cancel	
	::	

The Crash Record window above shows the custom data added to the sample file in **To create an XML file:** 

### Save As

- a. Select a clip to save.
- b. The Save Clips window opens.

Save Clips		
Clip Name	\fs0\ProDrive\CNN\recordme-1_09-Nov-17-124304.mxf	
	Enter the title here	Cancel

The **Save Clips** window above shows the custom data added to the sample file in **To create an XML** file:

### Edit Metadata

- a. Select a Player you have configured for Clip Preparation.
- b. In the Clip Preparation window right click the desired clip and select Edit Metadata.

The Edit Metadata dialog opens.

🗟 Edit Metadata	
Metadata for: recordme-1_09-Nov-17-111030	
ТҮРЕ	
TITLE Enter the title here	
	OK Cancel

**Note:** Metadata can be also viewed in the tooltips on the Media Management and Clip Prep/playout screens.

c. Edit the text fields as required

**NOTE:** When editing the .mov clip's metadata of an active ingest, you must wait until the clip ingest is complete.

# **Managing Clip Folders**

This section provides the following topics:

- Exploring Folders
- Creating Folders
- Renaming Folders
- Refreshing Folders
- Deleting Folders

## **Exploring Folders**

### To explore:

1. From the Omneon ProDrive toolbar, click Clip Management.

The Clip Management window opens.

- 2. From the Folders panel, right-click the root folder.
- 3. Click **Explore Folder** from the pop-up menu. The contents of the folder display in a Windows Explorer window.

## **Creating Folders**

### To create a new folder:

1. From the Omneon ProDrive toolbar, click Clip Management.

The Clip Management window opens.

- 2. From the Folders panel, right-click the folder you want to contain the new folder.
- 3. Click **New Folder** from the pop-up menu.

Add new folder	×
Add new folder New Folder	_
OK Cancel	

- 4. In the **Add New Folder** field, enter a name for the new folder.
- 5. Click **OK**.

## **Renaming Folders**

### To rename a folder:

1. From the Omneon ProDrive toolbar, click Clip Management.

The Clip Management window opens.

- 2. From the **Folders** panel, click  $\blacksquare$  to expand the folders.
- 3. Right-click the folder you want.
- 4. Click **Rename Folder** from the pop-up menu.

Rename folder	X
Rename "\fs0\clip.dir\temp" to	
temp	
OK Cancel	

5. In the Rename folder pop-up window, enter the new folder name and click OK.

## **Refreshing Folders**

The Refresh Folders option refreshes the display of the "folder tree", rather than the list of files within a folder. To refresh, press F5 or View/Refresh from the Clip Management screen to update the folder tree and to refresh the clips list.

## **Deleting Folders**

### To delete a folder:

1. From the Omneon ProDrive toolbar, click Clip Management.

The Clip Management window opens.

- 2. From the **Folders** panel, click  $\blacksquare$  to expand the folders.
- 3. Right-click the folder you want.
- 4. Click **Delete Folder** from the pop-up menu.

A confirmation window opens.

5. Click **OK**.

### To prevent deleting clips:

- 1. In Windows, click on **Start** > **Run**.
- 2. Enter regedit in the text field.
- 3. Click OK.

The Registry Editor window opens.

4. Navigate to:

My Computer > HKEY\_LOCAL\_MACHINE >SOFTWARE > Omneon > ProDrive > Config (for Windows XP)

Computer > HKEY\_LOCAL\_MACHINE > SOFTWARE > Wow6432Node > Omneon > ProDrive > Config (for Windows 7)

- 5. In the right hand panel, right click and select New > DWORD.
- 6. Add PreventDeletes as a DWORD value to the registry and then press Enter.
- 7. Double click DWORD.

An Edit DWORD dialog opens.

- 8. In the Value data: type in 0 to allow deletes. Or, type in 1 to prevent deletes.
- 9. Click OK.
- 10. Close the Registry Editor.

Managing Clips



# APPENDIX A Reference Information

## In this Appendix

- Clip Preparation Keyboard Commands
- VTR Keyboard Commands
- List Control Keyboard Commands
- About the As-Run Log Header List
- About Authentication for Omneon MediaDirector 2202 Systems Working with ProDrive
- About Fault Handling in ProDrive
- About the Automatic Renaming of Sub Clips Using Clip Patterns

# **Clip Preparation Keyboard Commands**

Use the following commands when doing clip preparation.

Transport Controls				
	Key Press and Explanation			
Play	Ctrl+A			
Pause	k (lower case K or caps lock + K)			
Pause/Play Toggle	Spacebar			
Stop	Shift + spacebar			
Reverse (Play Reverse)	j (lower case J)			
Reverse faster (Play Reverse faster)	Press j (lower case) repeatedly (1x, 2x, 4x, 8x, 16x, 32x)			
Step Back 1 frame	Left arrow			
Forward (Play Forward)	l (lower case L)			
Forward faster (Play Forward faster)	Press l (lower case) repeatedly (1x, 2x, 4x, 8x, 16x, 32x)			
Step Forward 1 frame	Right arrow			

Go to In Point	Shift I (upper case I)
Go to Out Point	Shift O (upper case O)
Go to Previous Clip	Page up
Go to Next Clip	Page down
Close Crash Record Dialog	Shift+click Record (button) once recording has started.
Edit Controls	
Mark In	i (lower case I)
Mark Out	o (lower case O)

# **VTR Keyboard Commands**

Use the following commands when doing VTR Ingest.

Transport Controls			
Key Press and Explanation			
Play	Ctrl+A		
Pause	k (lower case K)		
Pause/Play Toggle	Spacebar		
Reverse (Play Reverse)	j (lower case J)		
Step 1 frame back	Left arrow Left arrow = 1 frame Shifted left arrow = 5 frames Ctrl left arrow = 1 second Shift+ Ctrl left arrow = 1 minute • Note that some some VTRs cannot be accurately "jogged in this way"; some VTRs may jog less than a frame, some more.		
Step 5 frames back	Shift + left arrow Tape reverses 5 frames.		
Reverse 1 sec. back	Ctrl + left arrow Tape reverses 1 second.		
Reverse 1 min. back	Shift + Ctrl + left arrow Tape reverses 1 minute.		
Forward (Play Forward)	l (lower case L)		
Forward faster (Play Forward faster)	Press l (lower case) repeatedly (1x, 1.9x, 3.2x)		

Step Forward 1 frame	<ul> <li>Right arrow</li> <li>Right arrow = 1 frame</li> <li>Shifted right arrow = 5 frames</li> <li>Ctrl right arrow = 1 second</li> <li>Shift+ Ctrl right arrow = 1 minute</li> <li>Note that some some VTRs cannot be accurately</li> <li>"jogged in this way"; some VTRs may jog less than a frame, some more.</li> </ul>
Go to In Point	Shift I (upper case I)
Go to Out Point	Shift O (upper case O)
Edit Controls	
Mark In	i (lower case I)
Mark Out	o (lower case O)

# **List Control Keyboard Commands**

List Controls		
	Key Press and Explanation	
Start/Stop List	Ctrl+O. Toggles between starting and stopping a Playlist.	
Take List	Ctrl+T	
Drop Next Event	Ctrl+D	
Hold Next Event	Ctrl+H. The list pauses after the current clip finished and you see the first frame of the Held item.	
Recue Currrent Event	Ctrl+R	

Use the following commands to manipulate clip lists.

# About ProDrive.exe Error Messages and Logs

In ProDrive, Error Logs can be manually or generated.

#### **Generated Error Messages and Logs**

ProDrive generates a standard error message, shown below, if it encounters an issue which it does not know how to handle..

ProDrive.exe							
An error occurred in ProDrive	V Continue						
•	旍 Restart ProDrive						
🔽 Send bug report 🗧 Save bug report 🍳 Show bug report	💢 Close ProDrive						

This message does not necessarily mean the application will not continue to operate correctly. When this message appears, click "Save bug report" and provide the requested details. Once saved, a text file is created which contains general details about the local PC hardware, configuration of the ProDrive system, error details, process, modules, call stacks that can be used to help determine the cause of the unexpected behavior. This file can then be sent to Omneon Technical Support, if requested.

Once the file is created, click "Continue" to close the dialog and return to the ProDrive application. If you continue to experience this error message, click "Restart ProDrive".

### Generating a Manual Error Message and Log

If you experience an issue with your ProDrive system that does not result in the auto-generated message mentioned in **Generated Error Messages and Logs**, you can manually generate an error message and save details of the system at the time of the behavior.

### To generate an error message:

1. From the ProDrive toolbar click **Help** > **About**.

Version and licensing information appears in a dialog.

2. Press Shift\*.

A ProDrive.exe error message to appear.

- 3. Choose one of the following options:
  - Save bug report: Enter the requested details.
  - Send bug report: Generates an issue report and sends it to support@omneon.com.
  - **Save bug report**: Saves the details of the bug report as a text file to a location you specify. You can enter contact information such as name, email, phone number, and facility name as well as notes about when the issue occurred.
  - Show bug report: Shows the information in the text file.

# About the As-Run Log Header List

The As-run log header list is the header list for Playout As-run logs. As-run logs reside in the c:\Documents and Settings\User\Application Data\Omneon\ProDrive\Channel Name, where user is the login used to access the PC and install ProDrive, as well as the user who is currently logged in.

The As-Run file name is: asrun-date-time.txt

where date is the date when the schedule ran and time is the time when the schedule began.

The location of the As-Run log is defined in the Player configuration screen. See As-Run Logs.

Event Number	Item order in the playlist
Date	YYYYMMDD when playlist started playing
On air Time	HH:MM:SS:FF when playlist started playing
Channel Name	Name of channel from ProDrive (corresponds to the player configured in this Role)
РІау Туре	Control type for the event; Manual, Auto (Auto-follow), Hard (Hard- Timed)
Actual Start Time	HH:MM:SS:FF when event actually started.
Fixed Start Time	HH:MM:SS:FF when event was due to start (scheduled start time).
Duration	HH:MM:SS:FF (full duration of event, not clip duration).
SOM	HH:MM:SS:FF of clip SOM (In-point) as played.
Clip Title	Clip filename.
Status	Clip status.
TrafficID	Traffic Sequence number.

Table 30. As-Run Column Definitions

The following illustration shows an example of an As-Run log.

16	20111003	16:34:48:00	5301-A	Auto	16:34:54;22	16:34:55;12	00:00:30;00	18:10:00;00	\fs0\ProDrive\TC_window_burn_15.mov	OK	55abcxy
17	20111003	16:34:48:00	5301-A	Auto	16:35:25;14	16:35:25,14	00:00:30;00	18:09:55;00	\fs0\ProDrive\TC_window_burn_14.mov	OK	452ppx
18	20111003	16:34:48:00	5301-A	Auto	16:35:55;14	16:35:55;14	00:00:30;00	18:10:13;20	\fs0\ProDrive\TC_window_burn_13.mov	OK	wxyv123
19	20111003	16:34:48:00	5301-A	Auto	16:36:25;16	16:36:25;16	00:00:30;00	18:10:03;20	\fs0\ProDrive\TC_window_burn_12.mov	OK	494u5p9
20	20111003	16:34:48:00	5301-A	Auto	16:36:55;16	16:36:55;16	00:00:30;00	18:09:53;20	\fs0\ProDrive\TC_window_burn11.mov	OK	4rf7ik0
21	20111003	16:34:48:00	5301-A	Auto	16:37:25;18	16:37:25;18	00:00:50;00	18:09:53;20	\fs0\ProDrive\TC_window_burn_10.mov	OK	poomj7t

# About Authentication for Omneon MediaDirector 2202 Systems Working with ProDrive

Omneon MediaDirectors support a variety of Access Control Settings, selected from the **Access Control Screen** in the SystemManager application. In general, Access Control Settings for MediaDirector 2202 can be configured in the same manner as you would with any other Omneon MediaDirector, with <u>one exception</u>:

- If you set the **Authentication Type** to **LDAP** and **Guest Allowed** to **No**, take these additional steps in the exact order:
  - Mount the file system on the PC which is running ProDrive, using the CIFS user name and password.
  - Configure ProDrive to communicate with the MediaDirector 2202.

# **About Fault Handling in ProDrive**

ProDrive continually sends commands to Players and monitors the return status. If a Player stops responding, ProDrive will report "No Comms" in the Players status for that Channel. Buttons that actively affect the Player, such as transport controls in Clip Prep and Start List in the Playout screen, are disabled.

When switching Player tabs in the Overview or Clip Management screen, an error message may appear if a connection cannot be made to the Player. This does not affect playout or ingest, but may impact operations using the GUI. If you switch to the Player channel and continue to see an error message, switch away from the channel and then back to it to restore the connection. If this fails, close and reopen ProDrive to restablish communication.

## **Frequently Asked Questions**

### What happens if the Player and/or the media server needs rebooting?

- Due to a Spectrum Player API limitation, communication will need to be reestablished if the network is disabled, a cable is removed, or a Player is deactivated/reactivated through SystemManager.
- If a playlist is active, playout will run in the absence of communication up to the end of the Players' timeline. If communication is re-established before the timeline finishes, ProDrive will continue seamlessly. If the timeline has finished, playout will stop, and you will need to manually restart ProDrive.
- If a Scheduled Ingest is active, ingests in progress run without communication. If communication is missing when an ingest is due to start, it will not start but will begin shortly after communication is restored.
- If a VTR Ingest is active the VTR Ingest "Skip/Abort/Retry" messages appears.
- Flatten/Save as operations are reliant on the Media API and as such could fail if there is no communication. to the media server or Player. Player control buttons such as transport controls are disabled if there is no communication to the Player.
- For Clip Management operations, Windows error messages are used for most cases. With "background" operations such as copies, four retries are made and errors are shown in the ProDrive log file.

### What happens if the PC on which ProDrive is running loses network communication to the Director?

Refer to What happens if the Player and/or the media server needs rebooting?

# What happens if the media server loses power when upgrading a Spectrum system or a similar situation? Do I need to reboot the media server and the MediaPorts after upgrading the firmware?

Yes, restart ProDrive once the media server has completed rebooting.

What happens when a MediaPort loses power or a media server loses communication with a MediaPort while upgrading a Spectrum system? Do I need to reboot the media server and MediaPorts after upgrading the firmware?

ProDrive has no knowledge of communications between a MediaPort and a media server. It does not report on such problems.

What happens if the media server loses communication with the Player if it's configuration has changed. Do I need to deactivate a Player to change it's configuration?

Deactivating/reactivating a Player is similar to what happens if either a Player or a media server needs rebooting, except all clips loaded on the timeline are lost. For ingest, ProDrive restarts the ingest. For playout, the playout list stops and needs to be restarted.

# About the Automatic Renaming of Sub Clips Using Clip Patterns

The Clip Name Pattern option on the ProDrive Configuration screen allows you to specify how new crash record clips are named. Clip Patterns can contain the following special sequences that get expanded as required:-

"\$P" = current player name

"\$D" = current date (dd-mmm-yy)

"\$T" = current time (hhmmss)

"\$\$" = a single dollar sign

The default pattern is "\$P\_\$D-\$T\_1".

Note the behavior in the following circumstances:

• When using \$P, \$D, and \$T in the default clip name for consecutive Crash Records where the Crash Record dialog remains open between ingests, default clip names with a time suffix (\$T) are not incremented with the proper time of "now" for consecutive ingests. Instead they are auto incremented with a number and the suffix separator.. Refer to the following table for examples of the naming behavior.

Suffix Separator Default Name		Resulting Sub Clip Name	Notes		
- (dash)	\$P-\$D-\$T	1st record = player-10-Jan-18-144500 2nd record = player-10-Jan-18-144500-1 3rd record = player-10-Jan-18-144500-2	Since the default name ends in a Date and Time, the entire name is preserved and the Suffix Separator is applied and incremented.		
Blank - no value defined	Clip\$P	1st record = Clipplayer 2nd record = Clipplayer1 3rd record = Clipplayer2	The base name "clipplayer" exists so the base name is used and incremented		
Blank - no value defined	Clip\$D	1st record = Clip10-Jan-181 2nd record = Clip10-Jan-181 3rd record = Clip10-Jan-281	Since the default name ends in a Date and Time, the entire name is preserved and the Suffix Separator is applied and incremented.		
_ (underscore)	\$PClip	1st record = playerClip 2nd record = playerClip_1 3rd record = playerClip_2	The base name "playerClip" exists so the base name is used and incremented.		
-(dash)	\$DClip	1st record = 10-Jan-18Clip 2nd record = 10-Jan-18Clip-1 3rd record = 10-Jan-18Clip-2	This order preserves the Date part of the name, then applies an incremented value to the end.		
Blank - no value defined	\$TClip	1st record = 153112Clip 2nd record = 153112Clip1 3rd record = 153112Clip2	This order preserves the Time part of the name, then applies an incremented value to the end.		
-(dash)	Clip\$T	1st record = Clip153112 2nd record = Clip153113 3rd record = Clip153114	Since the name ends in just the time, the time value is seen as just a six digit number and is therefore incremented as a normal number. No suffix separator is used.		

If a clip name has a time suffix, but not a date part, the time will be treated as a six-digit sequence number and auto incremented without the suffix separator. For this reason, Omneon does not recomment using default clip names with time suffixes only.

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**Reference Information** 



# Index

### A

appearance customizing 27 Appearance tab configuration 27

### В

buttons clip preparation 69 playout 88

## С

cable requirement for VTR ingest 11 clip sub naming patterns 118 Clip Management window 75 clip management filtering clips 99 menus 99 searching clips 99 viewing clip descriptions 100 viewing clips 99 window 97 Clip Preparation clip preparation window 65 clip preparation Add Clip 73 adding a clip 73 buttons 69 clearing clips from clip preparation list 79 controls 66 crash record 77 ejecting a clip 79 enabling 72 flattening clips 76 loading a clip 74 menus 71 merging clips 76 overview 65 Player tab 72

recording 77 removing a clip from the list 79 setting inpoint 74 setting outpoint 74 updating a clip 74 clips clearing from list 79 clip preparation 65 ejecting 79 filtering 99 flattening 76 ingesting 77 loading 74 merging 76 playing 81,96 preparing 65 recording 77 removing from list 79 searching through 99 See also clip management viewing 99 viewing description 100 configuration Appearance tab 27 Player tab 82 configuring passwords for Configuration screens 25 ProDrive 21 Contact Omneon 9 controls clip preparation 66 Crash Record clip preparation 77 customizing appearance of events 27

## Е

ejecting clip preparation 79

### 

ingesting clips 53 See also scheduled ingest ingesting clips crash record 77 inpoint clip preparation 74

### L

loading a clip clip preparation 74

### Μ

Media API DLL requirement for ProDrive 17 media server configuring 20 MediaBridge compatibility 12 installing 12 requirements 11 starting 20 menus clip preparation 71 playout 89 metadata custom adding 105

## 0

Omneon Technical Support 9 outpoint clip preparation 74

## Ρ

password configuring 25 Player enabling for playing clips 81 Player tab clip preparation 72 scheduled ingest 56 playlist clearing 92 managing 91 opening 91 saving 91 playout Add Playout Event window 93 adding events 93

buttons 88 controls 85 copying an event 95 creating events 93 cutting an event 95 deleting an event 95 editing an event 94 enabling Player for 81 list 90 managing events 92 managing playlists 91 menus 89 pasting an event 95 playing clips 96 removing an event 95 removing an event permanently 95 selecting all events 95 window 85 ProDrive configuring 21 starting 20

## R

recording clip preparation 77 crash record 77 removing clips from clip preparation list 79 requirements system 11 VTR 11

### S

scheduled ingest adding events 61 button definitions 55 clearing list 59 control definitions 54 editing events 63 enabling a Player for 56 opening a list 58 performing 53 saving list 60 window 54

## V

VTR required 11