

Welcome to the *Ellipse 3000 Release 3.2 Quick Start Guide*. This guide includes the following sections:

- [Requirements](#)
- [Quick Setup Instructions](#)

Requirements

The following table provides the requirements checklist for a quick setup of the Ellipse 3000 Release 3.2 after the physical installation of the unit in its location.

✓	Requirement	Information
	IP Address	
	Subnet Mask	
	Default Gateway	
	TS Bitrate	
Video Related Requirements		
	Physical Input	
	Codec Profile	
Audio Related Requirements		
	Coding Scheme	
	Source	
Others		
	Node IP Address ¹	
	Node Subnet Mask ¹	
	Node Default Gateway ¹	
	Destination IP ¹	
	Destination Port ¹	
	RF Parameters ²	

1. Only needed if you are using a configuration with an IP Output Port.
2. Only needed if you are using a configuration with DSNG.

NOTE: To access a unit that has not been used, you don't need a user name and password. If you do need a password, use admin (user name) and ellipse (password).



Quick Setup Instructions

The Quick Setup Instructions are based on 9 different procedures that need to be executed in the set order to get a positive result. The procedures are:

- [Starting the Ellipse 3000 Release 3.2](#)
- [Setting the Factory Default \(Optional\)](#)
- [Configuring the TS Bitrate](#)
- [Configuring the Video Inputs and Encoding](#)
- [Configuring the Audio](#)
- [Setting the Services](#)
- [Configuring the IP Output Port](#)
- [Configuring DSNG](#)
- [Verifying the Ellipse 3000 Release 3.2 Status](#)

Starting the Ellipse 3000 Release 3.2

To configure the Ellipse 3000 for the network:

1. Using the front panel, navigate to **Configuration > Unit > System > Ethernet Port (Management)**.
2. Configure the management port using the following parameters:
 - **IP Address**
 - **Subnet Mask**
 - **Default Gateway**
3. Press **F1** to save the changes.
4. Connect the management port on the rear panel, labeled **MNG**, to the network.
5. To access the GUI over the network, enter in Internet Explorer the IP address of the unit.



NOTE: If the user name and password are required, use respectively **admin** and **ellipse**.



NOTE: If the tab menu does not display correctly in Internet Explorer, use the *Compatibility View*.

Setting the Factory Default (Optional¹)

To set the factory default:

1. Navigate to **Preset > Recall > Select Preset Name**.
2. Select **_factory_setting.db**.

1. Use this procedure if you get a used unit and you want to reset the configuration.

Configuring the TS Bitrate

To configure the transport stream output rate:

1. Navigate to **Transport > General > Output Rate [bps]**.
2. Enter the transport stream output rate¹.
3. Click **Save Changes**.

Configuring the Video Inputs and Encoding

To configure the video inputs and encoding:

1. Navigate to **Video**.
2. Configure the following video input parameter in the **Input** box:
 - a. **Physical Input**
3. Configure the following video encoding parameter in the **Encoding** box:
 - b. **Codec Profile**
4. Click **Save Changes**.



NOTE: For testing purposes, you can select **Flicker Pattern** as Video Source in the Input box.

Configuring the Audio

To configure the audio:

1. Navigate to **Audio**.
2. Configure the following audio parameters in the **General** box:
 - a. **Coding Scheme**
 - b. **Source**
3. Set the **Activation** parameter in the **Channel Parameters** box to **Enabled**.
4. Click **Save Changes**.



NOTE: For testing purposes, you can set Test Tone in the General box to **On**.



NOTE: You can configure up to 8 audio channels (according to the unit's HW and licenses).

Setting the Services

To set the services:

1. Navigate to **Transport > Services**.
2. Click **First_service**.
3. Make sure that all relevant PIDs are selected.
4. Click **Save Changes**.

1. If the RF modulator is active, the total bitrate is calculated using the DSNG parameters.

Configuring the IP Output Port¹

To configure the IP Output Port:

1. Navigate to **Outputs > IP Output**.
2. Configure the following output source parameters:
 - ❑ **Node IP Address**
 - ❑ **Node Subnet Mask**
 - ❑ **Node Default Gateway**
3. Navigate to **Transport > M-SPTS > SPTS-1**.
4. Configure the following destination parameters:
 - a. **Destination IP** and **Destination Port** – Set these parameters in the relevant IP out boxes (IP1/IP2).
 - b. **Physical Port Activation** – Set this parameter in the **General** box to **Enabled**.
5. Click **Save Changes**.

Configuring DSNG²

To configure DSNG:

1. Navigate to **DSNG > MODULATOR AND UPCONVERTER**.
2. Configure the RF parameters, but set the following two last:
 - a. **Carrier** – Set to **Operational**
 - b. **Modulation** – Set to **On**

Verifying the Ellipse 3000 Release 3.2 Status

To verify the status:

1. Navigate **Status**.
2. Make sure that on the **Status** tab:
 - ❑ The **Service** section displays all the PIDs, encoding types and actual **Output bitrates**.
 - ❑ The **Output Transport Streams** section displays the total ASI bitrate, IP Output, and **NULL packets** information.
 - ❑ The **RF Output** section displays the main RF configurations.
 - ❑ When modulation is enabled, make sure that the **Modulation** and **Carrier** indicators at the top of the Ellipse GUI display respectively **On** and **Operational** and have a green background.
 - ❑ Make sure that no alarm displays in the **Alarm** box and the Alarm indicator at the top of the Ellipse GUI displays **Off** and has a gray background.

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 2. Only if you are using a configuration with DSNG.