

Memorandum

Date: April 7, 2017
To: Harmonic NMX Customers and Channel Partners
From: Mangesh Kalbhor, Product Manager - NMX
Subject: NMX 7.6.2 GA Software Release

Harmonic is pleased to announce the release of NMX 7.6.2 general availability (GA) software for NMX Digital Service Manager and systems. NMX 7.6.2 introduces ProStream X - a new family of high-throughput and high-performance software-based stream processors enabling multiplexing, scrambling and splicing. ProStream X is leveraging a software based implementation and as such, is deployable throughout two types of infrastructure deployment environment: virtualized or appliance.

NMX

- NMX managing groups from LDAP server
Users can use LDAP groups to define roles in NMX by assigning the LDAP group to a particular role in NMX. Any LDAP users from a LDAP group associated to NMX role, now logging into NMX would be assigned same NMX role automatically.
- Usability Improvement: Stream Naming Convention
When a new service is added, all streams under the service will follow the new naming convention. Users will not be allowed to rename individual streams either from context menu, F2 or Spreadsheet View. When a service is renamed all the streams underlying will be renamed.
- New devices support - NMX supports the monitoring of following devices:
 - Evertz SDI router (EQX10) - controlled by Quartz Routing Switcher Remote Control Protocol.
 - Nevion VikinX Sublime X2 router - 32x32 3G-SDI compact router.
- Configure multiple IP alternative sockets on NMX
User can configure multiple alternative sockets instead of replacing the values with backup properties, every time user wants to configure new socket. User can only specify six alternate sockets and can activate one socket at one time.

ProStream X *New Product*

- Enhanced multiplexing capabilities
- High throughput gateway capabilities
- DiviTrackoIP Statmux Support
- Scrambling Support (Requires license per service):
 - DVB CSA-v2
 - DVB CSA-v3
 - Fixed Key Scrambling (AES-CBC based)
 - AES Scrambling
 - BISS Scrambling
 - Selective Encryption
 - Partial Encryption
- Enhanced Hacking Protection (EHP)
- Service Program Substation (Live to live)

- Slate Insertion
- FEC Output support
- EAS Support
- EHP support
- Device Redundancy:
 - 1:1: Hot:Hot / Warm:Hot (requires NMX control)
 - 1:1 Standalone redundancy
- Input TS Redundancy

ProStream XVM

- Service Program Substation (Live to live)

ProStream 9100

- Daylight Saving Time (DST)
- ESAM enhancements
- Mute TS by PID Missing
- Selective Join
- VLAN Tagging - enhancements
- Standalone Redundancy with Scrambling enhancements

Electra X2 and XVM

- Allow for the provisioning of Mediaram PiP when the main channel is set in reduced latency mode
- Electra XVM OTT must pass ETR290 P2 tests (PTS interval)
- HRTTPacer

IRIS

- IRIS now supported on new Intel server with Microsoft Windows Server 2008.

For a complete list of resolved issues in NMX 7.6.2, please see the release notes, user guides and application notes. This release is available for immediate download for customers with an active SLA via Harmonic's software download portal.

For additional information, please contact Harmonic Technical Support:

Region	Technical Support Telephone	Email
Americas	+1 888 673 4896 (888 MPEG TWO) or +1 408 490 6477	support@harmonicinc.com
EMEA	+44 1252 555 450	emeasupport@harmonicinc.com
India	+91 120 4983199	apacsupport@harmonicinc.com
Russia	+7 495 926 4608	RUsupport@harmonicinc.com
Mainland China	+86 10 6569 5580	chinasupport@harmonicinc.com
Japan	+81 3 5565 6737	japansupport@harmonicinc.com
Asia Pacific (Other Territories)	+ 852 3184 0045 or +65 6542 0050	apacsupport@harmonicinc.com