

Intraplex[®] NetXpress[™] LX

IP Audio Link



In a perfect world, IP networks would be ideal for audio transport. After all, IP networks are broadly available and have the potential to deliver, at relatively low cost, large quantities of data. But the real world is quite different. Unlike T1 networks, which were designed to support real-time traffic, IP networks originated as an efficient means to transport data files, and getting them to reliably transport real-time audio streams is a challenge. IP audio transport can be loaded with problems, such as packet loss, jitter and other factors that can result in less than acceptable audio.

That's why, when the mission is critical, broadcasters turn to Harris[®] Intraplex[®] IP audio codecs — the standard-bearer for dependable, great-sounding IP audio links for "always on" applications. The Intraplex NetXpress[™] IP audio multiplexer built its reputation for reliability at the heart of some of the world's most complex and geographically widespread IP audio networks. Today, Harris introduces the NetXpress[™] LX — delivering the same high-performance IP audio platform in a scaled down, more affordable package.

Built upon the technology of the original NetXpress, NetXpress LX provides the reliable and robust performance demanded by studio-to-transmitter link (STL) and other fixed, full-time interfacility applications. NetXpress LX is also suitable as an "edge" device working together with NetXpress in large, multi-site networks.

With NetXpress LX, you can count on the superior support and long-term value you've come to expect from Intraplex — broadcasting's first choice for rock-solid, full-time operation of IP audio, T1 and 950 MHz audio and data links.

FLEXIBLE CONFIGURATION FOR AUDIO AND DATA

- Linear uncompressed audio or choice of MPEG II Layers 2 and 3, enhanced apt-X or J.41 compression options
- Standard configuration includes a single bidirectional stereo program; MPEG version can be expanded to up to four bidirectional stereo programs; Linear, apt-X and J.41 versions can be expanded to two bidirectional stereo programs
- XLR AES/EBU digital and L/R analog input/output connectors
- Up to 22.5 kHz audio bandwidth, with user-selectable 48, 44.1 or 32 kHz sample rates
- Built-in asynchronous data channel
- Transport of two contact closures in each direction, with opto-isolated inputs and normally open relay outputs
- Optional telephone extensions, LAN tunnels and additional synchronous and asynchronous data circuits

Reliable IP audio transport

- Low processing delay; adjustable packet size; programmable jitter buffer depth; advanced Intraplex forward error correction; Quality of Service (QoS) priority tagging; unidirectional or bidirectional unicast streaming, unidirectional multicast streaming

Convenient provisioning and management

- Advanced Web browser user interface provides graphical representation of module, stream and network interface configurations
- SNMP network management is compatible with network management systems
- Current and previous software versions available via download
- Network statistics monitoring provides cumulative and current information on lost packets, dropped packets and delay variation
- Event logging

For more information, please visit www.broadcast.harris.com/intraplex.

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