

Audio TX STL-IP

Broadcast-grade Audio-over-IP Devices



Designed to be used for studio-to-transmitter links, program distribution or sharing, remotes or any form of permanent or semi-permanent audio connectivity, STL-IP units easily and reliably send and receive audio over any kind of IP connection.

Network options include LANs, WANs, Satellite, WiFi, T1/E1 or professional Telco grade networks like MPLS networks. They can even be used over highspeed internet connections.

STL-IP products can easily transport uncompressed 44.1 kHz audio. In fact, all Audio TX STL-IP products can handle up to 96 kHz 24 bit audio without impacting quality. Transport of compressed audio is also supported with multiple compression options including ADPCM (between 128kbps and 384kbps), professional grade MPEG Layer 2 and Layer 3 coding, and our new extra Low-Bitrate-1 algorithm for high quality voice transmission at low bitrates. The optional AAC Codec pack offers the best quality AAC coding available on any broadcast product today, including options for MPEG4 AAC, AD LD (low delay), and HE-AAC (AAC-SBR).

Key Product Features

- Capable of handling uncompressed 96 kHz 24-bit audio, or transmit/receive compressed audio with multiple compression options
- Easy connections with AES/EBU digital or balanced line level analog XLR in/outputs.
- Built-in silence and overload detectors, 4 in/4 out GPIO and RS-232 port capable of ancillary data transmission capability up to 128 kbps
- UDP, TCP/IP or UDP Multicast protocol
- Delays as low as 5ms
- Near "copper wire" audio quality and robustness
- 3 models available: STL-IP (2 inputs/outputs), STL-IP-8 (8 inputs/outputs), and the STL-IP-16 (16 inputs/outputs)

Ultimate Flexibility and Scalability

STL-IP units can send stereo audio (or 2 independent mono signals) to up to 6 remote units, each using different audio settings/network bitrates. Using the same audio settings and bitrates, the STL-IP can multicast to an unlimited number of remote units. For larger applications, the STL-IP-8 and STL-IP-16 are available, with up to 16 inputs and outputs.

Each unit is easy to connect with AES/EBU digital or balanced line level analog XLR in/outputs. STL-IP products can also send and receive ancillary data transparently and in sync with the audio (via an RS232 port) and include 4 built-in contact closure inputs/outputs which are also carried end to end, again in sync with the audio. Each unit also has built in silence sensors and audio in/output overload detectors.



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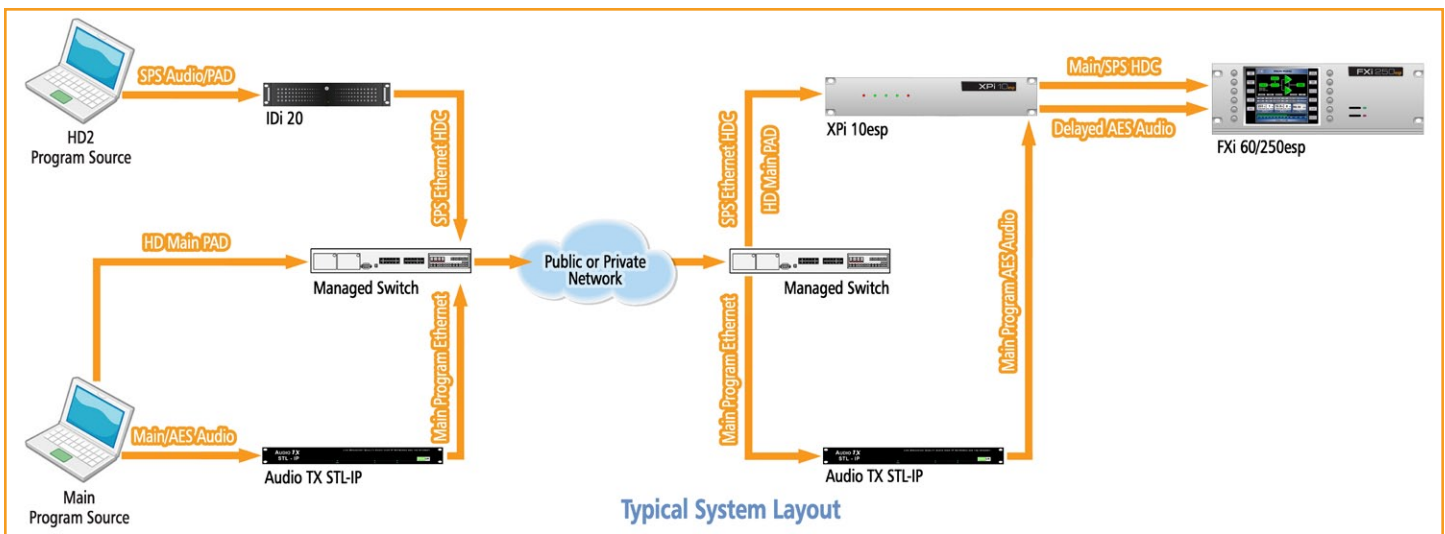
STL-IP Connect Software

Perfect for live news, remotes/outside broadcast, etc we can offer the new STL-IP Connect software. Designed for laptop, tablet and desktop PCs, STL-IP Connect allows users to instantly broadcast live from anywhere with an Internet connection. STL-IP Connect software allows immediate use on ANY internet connection including DSL/Cable, WiFi, hotel and café internet systems, business networks with Internet access, satellite and even high-speed cellular Internet connections. No other system on the market can offer this level of flexibility, making it a unique solution!

The Best Solution Available Today

With 24/7/365 reliability and suitable as an IP codec, the reliability and performance of the STL-IP is significantly better than any other audio-over-IP product. STL-IP units are designed with reliability and audio quality as primary design considerations. For even more reliability, each unit offers optional Forward Error Correction (FEC) and network jitter compensation.

The devices can be monitored through SNMP queries and traps, even with email alerts. A new Telnet-style control/monitoring facility offers easy and quick integration into existing control/management/monitoring software systems. In case of network or power failure, the device will start working again as soon as network/power returns.



Typical System Layout

Taking the next step is easy with Broadcast Electronics. Get in touch with your sales representative today to discuss solutions that will work for you and your station(s). To contact your BE sales representative, simply visit our website at bcast.com or call 217.224.9600 and learn more about what BE has to offer.

BE is the premier provider of mission-critical solutions for over-the-air and Internet radio. Our products encompass program generation, audio and data management, interfacility transport and analog and digital (HD Radio and DRM) transmission. They are used daily in more than 10,000 installations in nearly 100 countries.

For fifty years, BE pioneering developments have set industry standards for innovation and reliability, while providing broadcasters with new options for operational productivity and income generation.

BE is headquartered in Quincy, IL, and is represented worldwide by a network of local representatives.

