

BARIX – Audio over IP Solutions

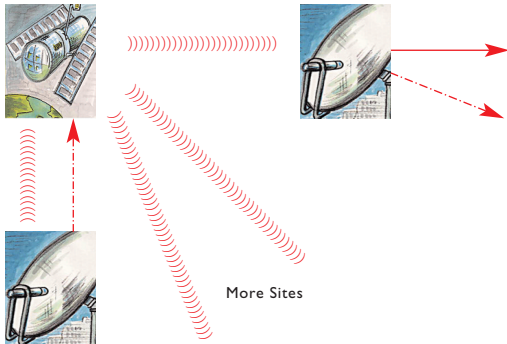
IP Audio Distribution

BARIX IP audio products allow unidirectional, low latency, high quality audio distribution over satellite or terrestrial IP systems. BARIX products support RTP/Multicast, and can also transport control signals.

A special version of the BARIX Extreamer with built-in relay can activate a control system which makes the solution ideal for backup/emergency STL: PC free!

The BARIX Instreamer encodes the audio in real time, the stream is distributed via the satellite system, and at the remote sites, the IP feed received from the satellite is decoded into audio and control by the Extreamer.

The Extreamer can be controlled to select one of multiple channels.



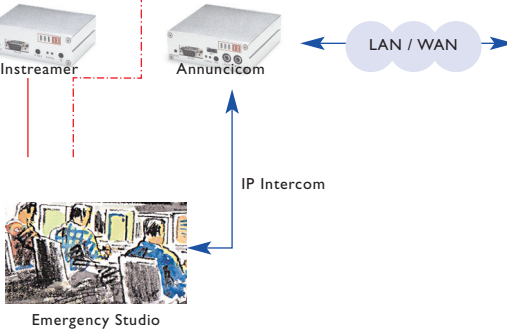
IP Based Intercom

The BARIX Annunicom is a universal, bidirectional audio device with I/O interfaces suitable for intercom, paging and realtime recording applications.

The Annunicom features inputs and outputs to support ring buttons, door opener, direct microphone and speaker connection (built-in amplifier).

With SIP, G.711 and RTP support the Annunicom can be interfaced to common VoIP phone systems, including Cisco call manager and Asterisk SIP server.

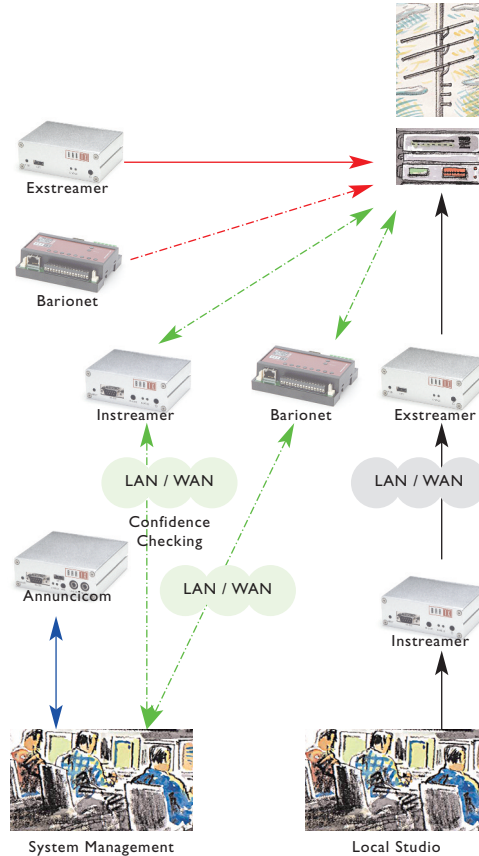
A programmable, extensible firmware allows for full duplex applications. A USB interface allows direct recording/playback to/from flash memory.



Confidence Checking and Remote Monitoring

Using a BARIX Instreamer or a BARIX Annunicom, audio at the transmitter site can be encoded in real time and monitored to be in a defined range. The stream can be sent to servers for recording, as well as listened to using standard audio players, or BARIX Extreamers.

A silence detection function in the Instreamer can automatically alarm control systems by means of SNMP. With the programmable software environment, an Instreamer can even send email or alert via text messaging/paging, in case the audio signal is out of range or absent – without the need for a PC.



STL and Remote Broadcasting

The BARIX Instreamer and BARIX Extreamer provide an affordable, high quality audio link for point to point, or point to multipoint applications. Requiring a bandwidth of 50 to 200 kbps, a standard DSL or cable link can be used.

The Instreamer encodes audio in real time without the need for a PC. Reliable operation that always reconnects after loss of link/power. Push and Pull modes, block loss resilient, standards based. Plays from local USB memory in case of stream loss, ensuring the station is always "on air". Ideal to feed transmitters, cable head stations, Internet radio. Supported protocols include RTP; shoutcast source, MP3, uLaw/aLaw codecs for VoIP interfacing applications.

STL / LIVE FEED

EMERGENCY AUDIO & CONTROL

CONFIDENCE CHECKING / CONTROL

IP INTERCOM