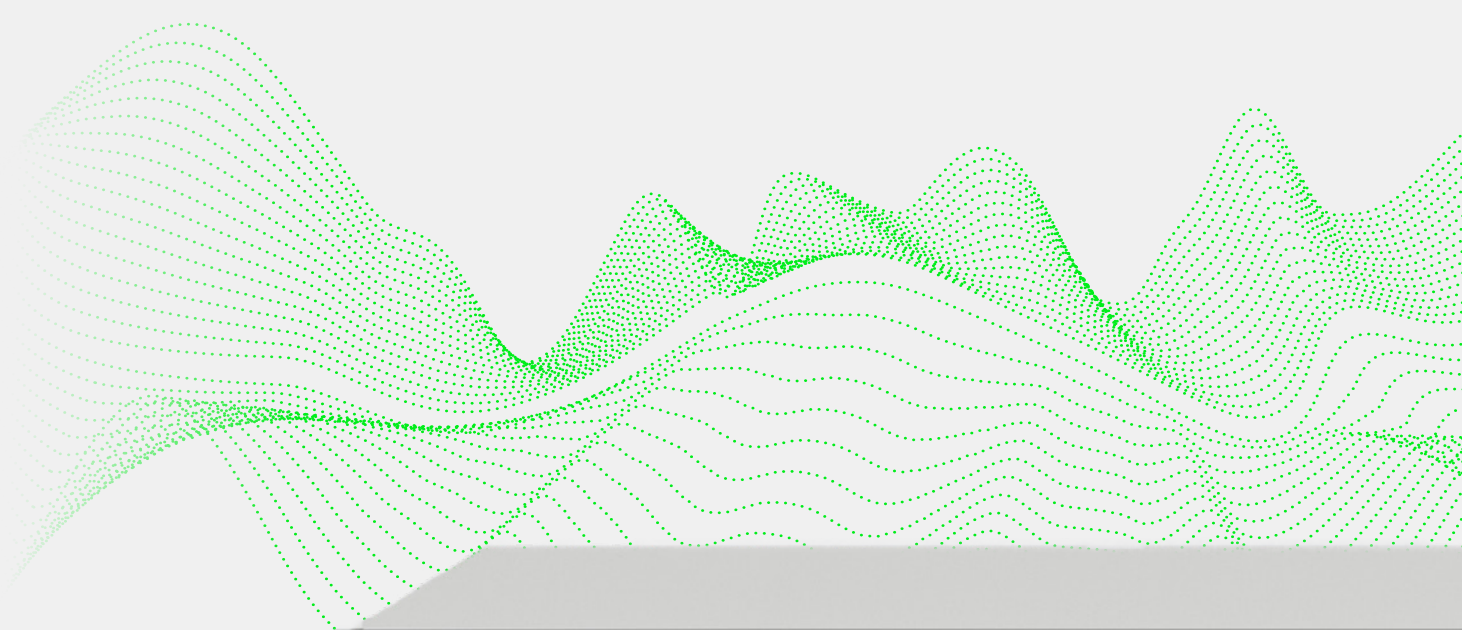


RFE

MAKING  
BROADCAST  
SMARTER

# IPA 300

AUDIO OVER IP LINK





# IPA 300 - Audio Over IP Link



## PRODUCT DESCRIPTION

The IPA300 is a fast and reliable solution to stream audio in full-duplex PCM and half-duplex MP3 from a broadcast studio to a transmitter device in another physical location. RTP over UDP protocol guarantees low latency and strong reliability of the audio stream. The application can stream to eight unicast or multicast destinations, or can send as a broadcast. Several administration tools like keep alive handshake, contact closure tunneling, SNMP traps, Serial gateway, multicast and DNS are supported. The IPA300 Audio Over IP Link is a very powerful and flexible tool for a professional radio distribution.

## MAIN FEATURES

- Full duplex/bidirectional Audio Connection
- Connection via LAN
- Icecast and Shoutcast compatible
- Web Server Configuration
- High Quality Audio
- Balanced Audio Input/Output
- P2P/P2MP Configuration
- RS232 Serial Port tunnelling
- GPIO remote tunnel

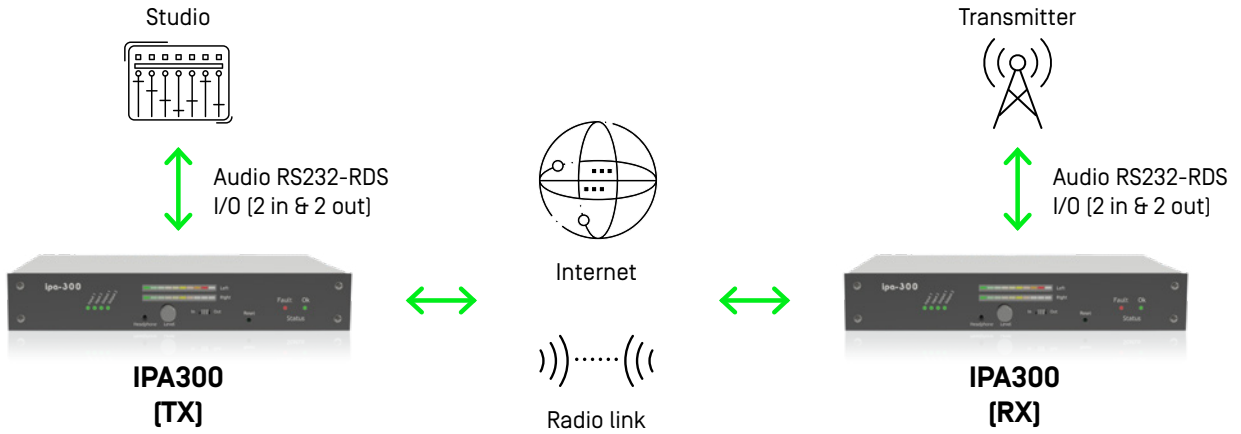
## APPLICATIONS

- Point to Point Links
- Bidirectional Links
- Point to Multipoint Connections
- Audio Over Ip Distribution

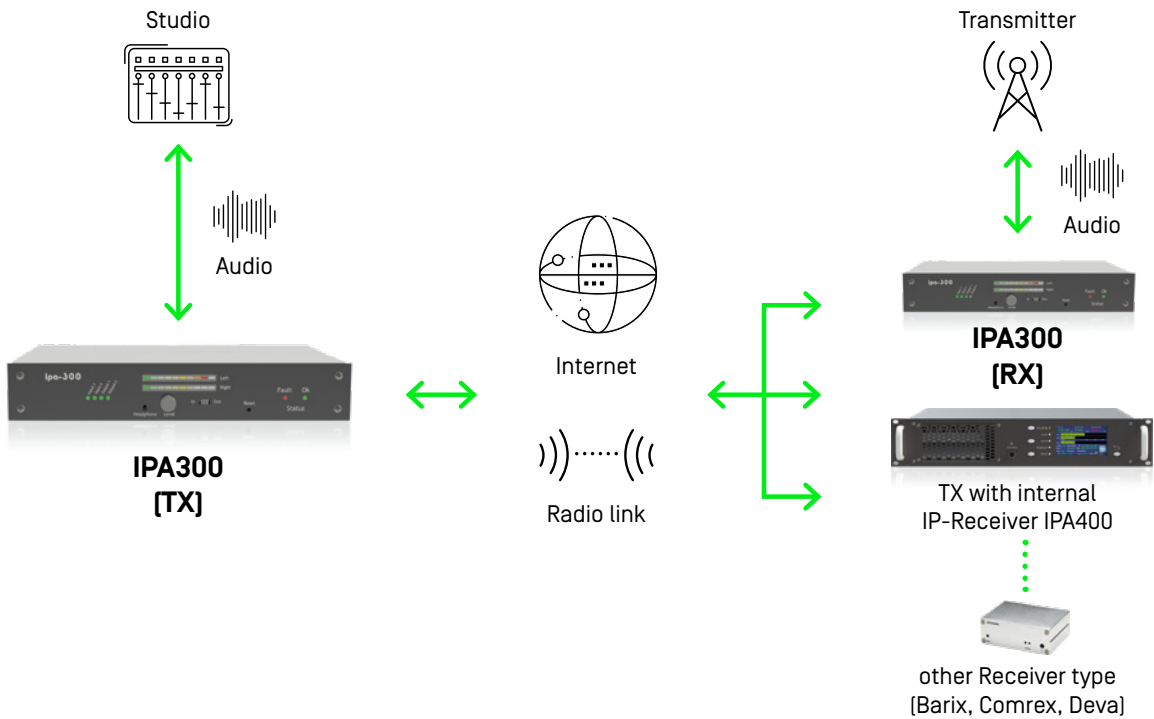


EXAMPLE OF USE

# IPA300 - Audio Over IP Point To Point Connection



# IPA300 - Audio Over IP Multicast Connection





<b>ANALOG INPUTS</b>	<b>Connector type</b>	XLR Female
	<b>Balanced Input</b>	600/10 kOhm input Impedance
	<b>Clipping Level</b>	+18dBu
	<b>Frequency Response [-3dB]</b>	± 0.1dB [20Hz...20kHz]@44.1 kHz sample rate
	<b>Signal to Noise Ratio [SNR]</b>	≤ -70dB
	<b>Stereo Crosstalk</b>	≤ -50dB
	<b>Total Harmonic Distortion [THD]@-3dBfs</b>	≤ 0.05%
	<b>Input Level Software</b>	Adjustable from Web Page from -3dB to +19.5dB step: 1.5dB
<b>ANALOG OUTPUTS</b>	<b>Connector type</b>	XLR Male
	<b>Balanced Output</b>	15 kOhm
	<b>Output Level Software</b>	Adjustable from Web Page from 0 to 100%
	<b>Full Scale Output Voltage</b>	+12dBu, 8 Vpp
	<b>Frequency Response [-3dB]</b>	±0.1 dB [20 Hz...20 KHz]@ 48kHz sample rate
	<b>Signal to Noise Ratio [SNR]</b>	≤ -70dB
	<b>Stereo Crosstalk</b>	≤ -60dB
	<b>Total Harmonic Distortion [THD]@-3dBfs</b>	≤ 0.03%
<b>RS-232 INTERFACE</b>	<b>Connector</b>	DB9 Female
	<b>Type &amp; Speed</b>	Asynchronous - 300-230.400 Baud
	<b>Purpose</b>	RS-232 Remote Tuning
<b>DIGITAL I/O</b>	<b>Number of inputs</b>	2-Optoisolated
	<b>Number of Outputs</b>	2-Relay Contact
	<b>Connector type</b>	DB9 Female
<b>ETHERNET</b>	<b>Interface</b>	10/100Mbps auto
	<b>Connector type</b>	RJ45 with Link & Activity LEDs
	<b>Protocols</b>	TCP/IP, UDP, RTP, DHCP
<b>MISCELLANEOUS</b>	<b>Headphone</b>	Stereo Jack 3mm
	<b>Audio-meter</b>	Stereo V-meter 10 LEDs
	<b>Level</b>	Adjustable from volume knob
<b>ELECTRICAL</b>	<b>Voltage</b>	90-240Vac ± 20%
	<b>Current</b>	100 mA max.
	<b>Connector type</b>	IEC-C13/C14
	<b>Fuse</b>	500mA delayed
<b>MECHANICAL</b>	<b>Material</b>	Aluminum
	<b>Weight</b>	600gr
	<b>Dimensions [LxDxH]</b>	260x160x44 mm [1U]
	<b>Optional Rack Mount Kit</b>	Available

