

IP AUDIO RX 100

Nonstop streaming audio

This device is built with the idea of 24/7 operation for broadcasters that do not want silence at their broadcasting points. The device supports all codecs used for audio streaming nowadays. You can use the stream metadata to broadcast song/artist or adverts in the RDS signal using the IP AUDIO RX 100 in conjunction with our dynamic RDS encoders.

Easy configuration

Very easy configuration using the embedded web site just type the ip of the device in your browser and you will get all the configuration settings you need. The most important of which is the URL address of the stream you want to play. Just set it and you are done.



FEATURES

- **Guaranteed round-the-clock audio playback**
- **Decodes all major audio formats**
Ogg Vorbis;
MP3 = MPEG 1 & 2 audio layer III
MP1/MP2 = layers I & II optional;
MPEG4/ 2 AAC-LC(+PNS),
HE-AAC v2 (Level 3) (SBR + PS);
- **Embedded web site for easy configuration**
- **Stream metadata extraction and dynamic RDS configuration via Ethernet**
- **Remote port for custom configuration**
- **Backup audio player for non-stop audio playback**
- **Micro SD(2GB) card for backup audio storage**
- **Automatic switch to main audio (URL1)**
- **SNMP(optional)**

Automatic switch to main audio

This feature guarantees that if there is connection to the main streaming server (URL1) and the streaming server is working properly the device will play this stream. If internet connection is interrupted or there is a problem in the main streaming server it may play backup streaming urls (URL2 and URL3) or the internal backup audio player. Guaranteeing round-the-clock audio playback.

Backup audio player

Upon stream error or internet connection loss the broadcast may continue by playing audio files stored in the micro sd card(2GB) in the device. The backup audio player has several options for audio playback (Alphabetical ascending and descending, Shuffle, Playlist and Shuffled playlist).



Metadata extraction

The device extracts stream metadata information and is able to configure dynamically RDS Encoder via the ethernet to broadcast the stream information. This is very useful for song/artist broadcast or broadcasting adverts in the RDS signal.

Specification		IP AUDIO RX 100
Audio decoder	Codecs	Ogg Vorbis; MP3 = MPEG 1 & 2 audio layer III MP1/MP2 = layers I & II optional; MPEG4/ 2 AAC-LC(+PNS), HE-AAC v2 (Level 3) (SBR + PS);
	Bit rates	All standard bit rates, including variable bit rates
	Sample rate	32, 44.1, 48 KHz
Stream client	Type	Shoutcast/Icecast compatible TCP/IP client
	Servers	Up to 3 with auto-switch on failure/internet connection restored
Audio backup	Trigger	Connection loss or software switch
	Storage	Micro SD card 2GB
	Supported formats	*.MP3, *.AAC, *.M4A
	Playback modes	Alphabetical ascending and descending, Shuffle, Playlist and Shuffled playlist
	Remote file management	Build-in FTP server
Analog audio output	Connector	2 x XLR, Balanced
	Frequency response	±0.5dB, 5Hz-20kHz
	Distortion	<0.06% THD+N
	Level	User selectable(0.5dBu steps)
	Sample rate	Same as the source stream
	Dynamic range	>90 dB
COM Port(RS-232)	Connector	DB-9
	Baud rates	9600 to 115200
	ASCII commands	YES
Network	Connector	RJ-45
	Type	Ethernet, UPnP support
	ASCII commands via TCP/UDP	YES
	Embedded web site	YES
	SNMP	Optional
Operating conditions	Temperature	0°C - 50°C
	Humidity	< 80%
Phones audio output	Connector	3.5mm stereo jack
	Type	Headphones
Power requirements	Power supply	115/230V AC (internal switch), 18VA
	Connector	IEC320, rear panel
Size and weight	Dimension (W x H x D)	1U, 19" x 1.7" x 2.6"
	Weight	6 lbs
Upgrades	Firmware upgradeable	YES