

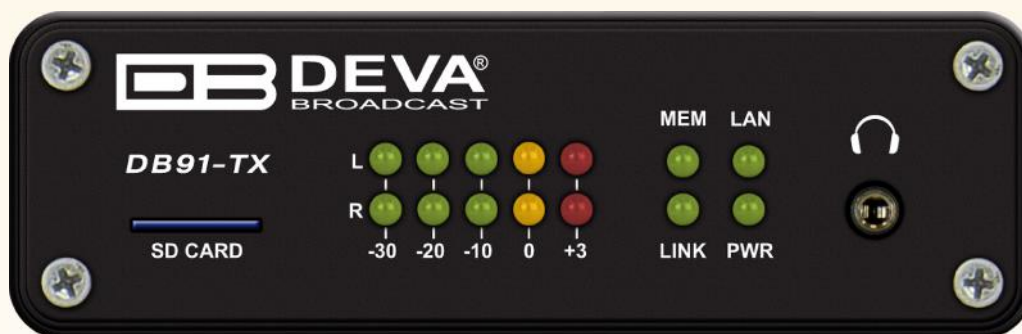
## COMPACT IP AUDIO ENCODER

DEVA's in-depth expertise in IP Audio technologies meets cutting-edge trends in DB91-TX, designed to guarantee you outstanding performance. This second generation IP Audio encoder converts the audio signal into high quality compressed audio stream, and transmits the output signal directly over IP-based networks. To ensure audio transmission without quality loss, DB91-TX also supports uncompressed PCM audio stream.

Small and compact, this high-tech device enables quick incorporation in the existing audio systems and their respective effortless integration to the Internet. The front panel's audio level bar graphs and LED indicators allow for reading at a glance the current state of the device. In line with DEVA's very essential brand characteristics - easy set-up and monitoring, the DB91-TX could be managed through a simple and intuitive HTML5 interface and any kind of web browser, be it your PC, smart phone or tablet, remotely or locally.

To unit ensures premium broadcasting experience as once the audio source is selected, the encoded in real time audio is immediately transmitted over IP-based networks. The enhanced DB91-TX can act simultaneously as an Icecast/SHOUTcast compatible Server, Icecast source client or Real Time Protocol (RTP) sender. The audio stream can be spread over an IP-based network to one or more DB90-RX, DB91-RX or other compatible IP audio decoders. To address the evolving customer needs, the DB91-TX IP Audio Encoder can also send audio to a number of clients simultaneously, provided that a multicast address is being entered as a client address.

Decades of experience to our credit, expanded tech expertise and understanding of customer's needs have resulted in agiler, trusted and cost-efficient solutions that improve broadcasters' performance. DB91-TX, with its compact form, wide array of enviable features and intuitive control interface is the valuable asset to any enterprise in need of preeminent broadcasting systems and services.



- High Quality HE-AAC (v.1 & 2) and MPEG-1 Layer-3 Compression
- IP address pronunciation at startup (through the headphones)
- Full Control and easy setup via a standard web browser
- SHOUTcast / Icecast compatible TCP/IP stream server
- 32 kHz, 44.1 and 48 kHz sample rates support
- 2 x 5 LED front panel audio level bar graphs
- UPnP for easy discovery in Local Networks
- Up to 10 simultaneously connected clients
- Up to 320 kbps bitrate for MPEG-1 Layer-3
- 4 x Status LEDs
- Icecast Source Client
- Multicast RTP Sender
- SHOUTcast v1 Source
- Up to 1536 kbps for PCM
- Up to 88 kbps bitrate for HE-AAC
- Digital Audio Input (RCA Connector)
- Phones output for quick diagnostics
- Analog Audio Input (2 x RCA connectors)

## SPECIFICATIONS

Audio Encoder	
Count	2 user selectable plus 1 fixed (PCM)
Codec	HE-AAC (v.1 & 2), MPEG-1 L3 or raw PCM
Sample rates	32 kHz, 44.1 kHz and 48 kHz
Channels	1 or 2
Bit Rates	88 kbps (HE-AAC); 320 kbps (MPEG-1); 3072 kbps (PCM);

MPEG-1 Layer 3 specific	
Encoding mode	Mono & Stereo, Joint Stereo or Dual Channel
Emphasis	50µs, CCITT J.17 or none

IP Audio Server	
Type	SHOUTcast/Icecast compatible TCP/IP stream server
Codec	Any of the available
Count	Up to 10 simultaneously connected clients

Icecast Source Client	
Type	Icecast Source Client
Codec	Any of the available
Count	Up to 3 independent streams

SHOUTcast Source	
Type	SHOUTcast v1Source
Codec	Any of the available
Count	Up to 3 independent streams

RTP Sender	
Type	Unicast/Multicast RTP Sender
Codec	Any of the available
Count	Up to 3 independent streams

Power requirements	
Connector	Power Jack 5.5mm
Power supply	12V DC, 1A

Analog audio input	
Connector	2 x RCA, stereo
Type	Unbalanced
Level	+6 dBu (max. +8dBu), user selectable
Sample rate	32 kHz, 44.1 kHz and 48 kHz
Dynamic range	102 dB

Digital audio input	
Connector	RCA
Type	S/PDIF (IEC 60958)
Resampling	Thru build-in sample rate converter

Front panel	
Level indicators	2 x 5 LED bar graphs
Status Indicators	4 LEDs
Headphones	1/8" (3.5mm) phones jack
SD Card	microSD card slot

User interface	
Indicators	14 LEDs on front panel
Web interface	Full control and status information

Network	
Connector	RJ-45
Type	Ethernet
Device discovery	UPnP support

Operating conditions	
Temperature	10°C - 45°C
Humidity	< 75%, non-condensing

Size and Weight	
Dimensions (W;H;D)	106 x 33 x 128 mm
Shipping Weight	230 x 54 x 172 mm / 0.7kg



WE NEVER SPARE EFFORTS AND RESOURCES TO TURN OUR IDEAS INTO SUCCESSFUL PRODUCTS