

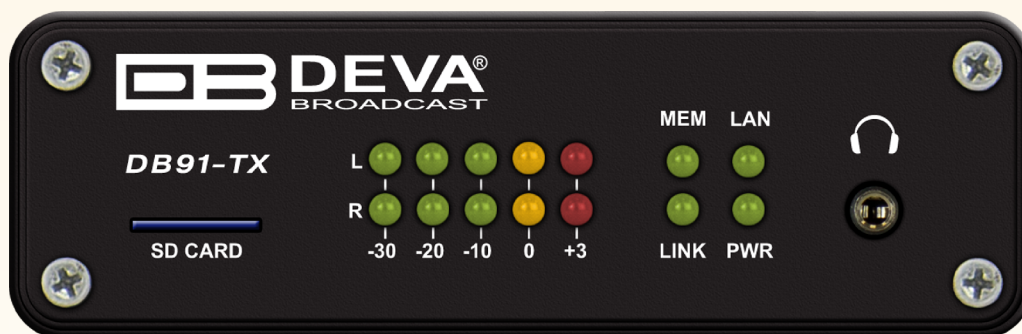
COMPACT IP AUDIO ENCODER

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 preminent 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
- 32 kHz, 44.1 and 48 kHz sample rates support
- Shoutcast / Icecast compatible TCP/IP stream
- 2 x 6 LED front panel audio level bar graphs
- UPnP for easy discovery in Local Networks
- Up to 10 simultaneously connected clients
- 4 x Status LEDs
- Multicast RTP Sender
- 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)
- Up to 320 kbps bitrate for MPEG-1 Layer-3

SPECIFICATIONS

Audio codec

Codec	HE-AAC (v.1 & v.2), MPEG-1 Layer 3, PCM
Sample rates	32 kHz, 44.1 kHz and 48 kHz
Channels	1 or 2
Bitrate	Up to 88 kbps (HE-AAC); Up to 320 kbps (MPEG-1); Up to 3072 kbps (PCM);

MPEG-1 Layer 3 specific

Encoding mode	Mono & Stereo, Joint Stereo or Dual Channel
Emphasis	50µs, CCITT J.17 or none

PCM codec

Channels	1 or 2
Bitrate	Up to 1536 kbps

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

Network

Connector	RJ-45
Type	Ethernet
Device discovery	UPnP support

User interface

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

Digital audio input

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

Analog audio input

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

Streaming server

Type	Shoutcast / Icecast compatible TCP/IP stream
Clients	Limit Up to 10 simultaneous clients

Operating conditions

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

Power requirements

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

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