

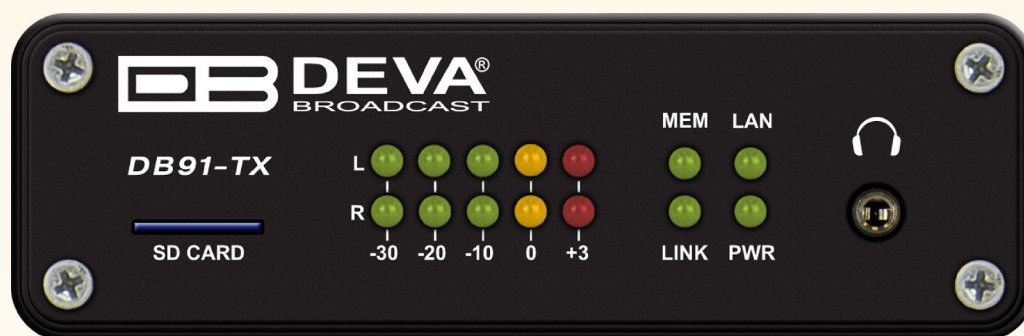
## COMPACT IP AUDIO ENCODER

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);<br>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