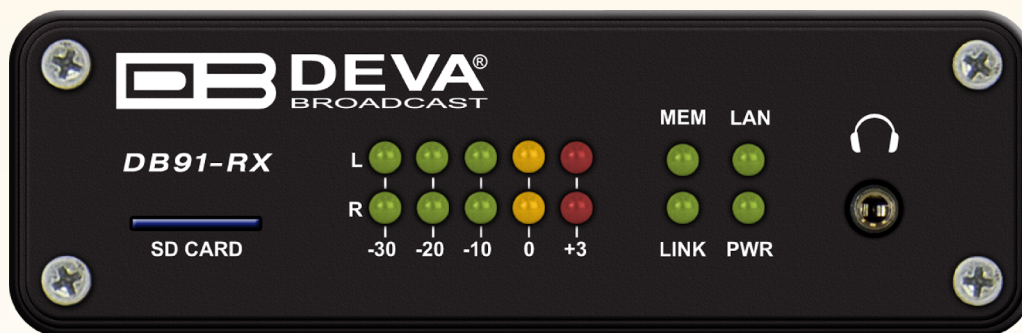## COMPACT IP AUDIO DECODER

Implementing cutting-edge technology, along with the most widely-adopted industry standards, DEVA has designed the DB91-RX to ensure a premium broadcasting experience. This second generation IP Audio decoder supports all of the most popular compressed audio streams and PCM uncompressed audio stream. Advanced and compact, the new DB91-RX IP audio decoder comes with a built-in MP3 to enhance even more its uncompromising reliability. The real time audio encoding into a high quality configurable format process is guaranteed by the powerful DSP processor.

In continuity with the streamlined design of the renowned DB90 line, this versatile device comes in a small and compact form, enabling quick and effortless integration in the existing audio systems. The front panel's audio level bar graphs and LED indicators allow for reading at a glance the current state of the device. For easy set-up and monitoring, the DB91-RX could be managed remotely or locally through a simple and intuitive HTML5 interface and any kind of web browser, be it your PC, smart phone or tablet.

With several backup audio sources incorporated and a built-in MP3 Backup Audio Player, the DB91-RX will immediately switch between the sources when the audio is lost, and return to the main one when restored, with no user intervention. The audio content for the MP3 player is recorded on the internal SD card and the backup files can be managed remotely through the built-in FTP Server, via standard FTP client.

The DB91-RX is not only compatible with many online radio systems, Icecast and Shoutcast included, but also supports low latency Real Time Protocol (RTP) connection. Controlled through a simple and intuitive HTML 5 based WEB Interface, the device can be used for Broadcast, Internet Radio, Studio to Transmitter Link, as well as VoIP applications. The DB91-RX IP audio decoder could be also set to work as a multicast RTP receiver, which makes it a particularly valuable asset when delivering audio to multicast groups.

Continually investing in new technology by tracking industry changes, DEVA has developed the empowering second generation compact DB91-RX IP audio decoder with the emblematic for the brand key characteristics: versatility, reliability and ease of use.

- **High Quality HE-AAC (v.1 and v.2), MPEG-1 & MPEG-3 Decoding**
- **IP address pronunciation at startup (through the headphones)**
- **Auto switching to another server in the event of a audio loss**
- **4 x Status LEDs, and Phones output for quick diagnostics**
- **DHCP Client automatically assigning Network Settings**
- **Support of all standard bitrates and VBR as well**
- **Shoutcast / Icecast compatible TCP/IP stream**

- **Build-in MP3 Player**
- **Digital Audio Output (RCA Connector)**
- **Easy setup via a standard web browser**
- **Analog Audio Output (2 x RCA connectors)**
- **UPnP for easy discovery in Local Networks**
- **2 x 6 LED front panel audio level bar graphs**
- **32 kHz, 44.1 and 48 kHz sample rates support**

SPECIFICATIONS

Audio decoder

Decoder	HE-AAC (v.1 and v.2), MPEG-1 Layer 3, PCM
Sample rates	32 kHz, 44.1 kHz and 48 kHz
Bit Rates	All standard bitrates, including VBR

Analog audio output

Connector	2 x RCA, stereo
Type	Unbalanced
Level	+9dBu @ 0dBFs
Sample rate	Same as the source stream
Dynamic range	101 dB

Digital audio output

Connector	RCA
Type	S/PDIF (IEC 60958)
Sample rate	48 kHz
Resampling	Thru build-in sample rate converter

Audio backup

Source	Any of the available sources; Up to 3 backups
Trigger	Audio silence detector
Threshold	Adjustable, -90dBFs to 0dBFs
Trigger time	Adjustable, 1s to 240s

Network

Connector	RJ-45
Type	Ethernet
Device discovery	UPnP support

User interface

Indicators	6 LEDs on front panel
Web interface	Full control and status information

File player

Storage	microSD Card
Supported codecs	MPEG-1 Layer 3, HE-AAC (v.1 and v.2)
Supported file types	*.Mp3, *.AAC, *.M4A, *.M3U
Playback modes	Alphabetical ascending and descending, Shuffle, Playlist and Shuffled playlist
Remote file management	Build-in FTP server

Stream client

Type	Shoutcast/Icecast compatible TCP/IP client
Servers	Up to 3 with auto-switch on failure

Front panel

Level indicators	2 x 6 LED bar graphs
Status Indicators	4 LEDs
Headphones	1/8" (3.5mm) phones jack
SD Card	microSD card slot

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