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 and MPEG-3 Decoding
- IP address pronunciation at startup (through the headphones)
- Auto switching to another audio source 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 client
- Dayparting automation support
- RTP receiver with Multicast support
- Digital Audio Output (RCA Connector)
- Easy setup via a standard web browser
- Build-in MP3 Player with Jingles Player
- Analog Audio Output (2 x RCA connectors)
- UPnP for easy discovery in Local Networks
- 2 x 5 LED front panel audio level bar graphs
- 32 kHz, 44.1 and 48 kHz sample rates support
## SPECIFICATIONS

### IP Audio Client
- **Type**: Icecast / SHOUTcast compatible client
- **Count**: 3 independent clients
- **Codec Support**: HE-AAC (v.1 & 2), MPEG-1 L3 or raw PCM16
- **Sample rates**: 32 kHz, 44.1 kHz and 48 kHz
- **Bit Rates**: All standard bitrates, including VBR
- **Features**: HTTP redirection support

### RTP Audio Receiver
- **Type**: RTP/UDP compatible receiver
- **Count**: 1
- **Codec Support**: HE-AAC (v.1 & 2), MPEG-1 L3 or raw PCM16
- **Sample rates**: 32 kHz, 44.1 kHz and 48 kHz
- **Bit Rates**: All standard bitrates, including VBR
- **Features**: Multicast RTP support

### Analog audio output
- **Connector**: 2 x RCA, stereo
- **Type**: Unbalanced
- **Level**: max. +8dBu @ 0dBFs, user configurable
- **Sample rate**: 48 kHz
- **Resampling**: Thru build-in sample rate converter
- **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

### 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

### MP3 Player
- **Type**: Standalone MP3 Player
- **Storage**: microSD card
- **Codec Support**: HE-AAC (v.1 and v.2) or MPEG-1 Layer 3
- **Sample rates**: 32 kHz, 44.1 kHz and 48 kHz
- **Bit Rates**: All standard bitrates, including VBR
- **Features**: Jingles auto-insertion support
- **File types**: *.Mp3, *.AAC, *.M4A, *.M3U
- **Playback modes**: Alphabetical ascending and descending, Shuffle, Playlist and Shuffled playlist
- **Remote file**: Build-in FTP server

### Audio backup
- **Type**: Silence detector with automatic backup switcher
- **Source**: Any of the available sources; Up to 3 configurable backups
- **Trigger**: Audio silence detector
- **Threshold**: Adjustable, -90dBFs to 0dBFs
- **Trigger time**: Adjustable, 1s to 240s

### Dayparting
- **Count**: 8 independent presets
- **Source**: Any of the available sources
- **Trigger**: Time and Day of the week
- **Duration**: Adjustable, up to 24 hours

### 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
- **Connector**: RJ-45
- **Type**: Ethernet
- **Device discovery**: UPnP support

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

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