

PROFESSIONAL DSP-BASED DAB/DAB+ MONITORING RECEIVER

DEVA's DB7012 – Professional DAB/DAB+ Monitoring Receiver is an elegant and smart monitoring solution specifically developed by our engineers to fully comply with the Digital Audio Broadcasting standard while strictly adhering to the signature features underlying the company's products. A highly practical design coupled with a wide range of features makes this device a guarantee of slick and smooth performance.

As a leading manufacturer of advanced broadcasting technology, it is DEVA's aim to constantly supply top-of-the-range gear in keeping with the major industry trends, which is why our team has created a top-quality line of products dedicated to Digital Radio Broadcasting. As part of that line, the DB7012 fully meets the ETSI EN 300 401 DAB standard. Additionally, it offers support for Program Associated Data (PAD), as well as all standard bitrates and VBR and automatically displays live metadata. While the signal is being monitored and logged, the DB7012 also measures the DAB signal quality, as well as the Left & Right Audio level values and stores them, thereby allowing for future analysis. The collected data can easily be downloaded via a standard FTP client. As an additional feature, the tool guarantees that there is no interruption of the broadcast signal. This is achieved through the provided local alarm options and online notifications via rear-panel alarm GPOs, E-mail and SNMP in case there is audio loss or change in the DAB signal and the Left and Right Audio Levels. Therefore, maintenance staff can be quick to respond and prevent prolonged signal loss.

The DB7012 has a highly-selective DSP-based tuner, supports AAC, AAC+, MP3 and RTP, and is fully compatible with the most popular media platforms, including Icecast and Shoutcast.

In addition to its wide array of features, the DB7012 receiver is easy to control and setup. The unit can be programmed through the front-panel menu or remotely through your PC, tablet or smart phone via a standard web browser; iOS and Android devices are also supported. The design of the DB7012 incorporates a high-resolution OLED graphical display and three ultra-bright LED bar graph indicators which allow for easy reading of the main signal parameters. A user-friendly front panel menu in addition to the set of four soft buttons provides easy navigation through the menus and quick access to each function.

Based on our engineers' relentless pursuit of improvement and their vast experience with delivering high-end gear to a demanding and competitive market, the DB7012 offers a successful combination of top monitoring performance and user-friendly operation.



FEATURES

- Support for Program Associated Data (PAD)
- Built-in easy to use WEB and FTP server
- Protected access to the device settings
- Wide angle, easy to read OLED display
- Detailed DAB component information
- Real Time Audio Program Streaming
- Apple and Android devices support
- Quick Service access via 4 Presets
- Very Intuitive Navigational Menu
- DAB/DAB+ compliant receiver
- High-end digital tuner
- Professional AES/EBU Digital audio output
- Wide operating voltage range: 100-240V AC
- Predefined DAB channels scan or manual tune
- Headphone output with front panel level control
- Alarm dispatch via E-mail, SNMP ver.2C and GPO
- Firmware updates will ensure improved operation
- LAN port for full TCP/IP remote control and monitoring
- SNTP for automatic synchronization of the built-in clock
- Bright bar graph LED metering of the RF and Audio Levels
- Adjustable MIN/MAX alarms for RF, Left & Right Audio Levels
- Level Adjustable, Balanced Analog Audio Outs on XLR Connectors

SPECIFICATIONS

DAB/DAB+ Radio	
RF frequency range	168 - 240 MHz
DAB/DAB+	Band III Channels 5A - 13F
Sensitivity	18 dBμV
Input connector	BNC 50Ω
In compliance with	ETSI En300401
Ensemble acquisition Time	940 ms

DAB/DAB+ Metering	
Quality indicators	RSSI, SNR, CNR, FIC quality
PAD	DLS, MOT

IP Audio Player	
Supported formats	MPEG-1 Layer 3 and raw PCM
Sample rates	32, 44.1 and 48 kHz
Bit rates	All standard bit rates, including VBR
Metadata decoder	Station/Streamer's ID, Song/Title, Stream Properties and Quality
Stream client	Shoutcast/Icecast compatible
	TCP/IP client

Outputs	
Analog Audio Outputs (L,R)	+10 dBu, balanced XLR
AES/EBU Output (L,R)	5.0 Vp-p, 110Ω, balanced XLR
Alarms	Programmable terminals on rear panel, Optoisolated
Headphone	6,3mm (1/4") Phone Jack

Metering Accuracy	
Audio	1%, +5.0 to -50.0 dB, 0.1 dB resolution

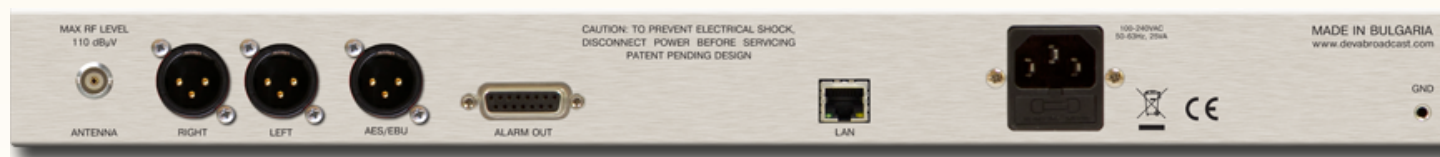
Network	
Connector	RJ-45
Type	Ethernet
Device discovery	UPnP support

Measurements and Log Storage	
Storage	2GB Build-in Memory Card
Data format	Text, CSV

Operating conditions	
Temperature	-15°C to 55°C
Humidity	< 95%, non-condensing
Altitude	0 to 5000m above sea level

Power Supply	
Voltage	100-240V / 50-60 Hz / 25W
Connector	IEC320

Size and Weight	
Dimensions (W;H;D)	485 x 44 x 300 mm
Shipping Weight	540 x 115 x 300 mm / 4.5kg



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