

COMPACT DAB/DAB+ MONITORING RECEIVER

Continuing a tradition for products brought about by creative thinking and technological precision, the DB46 - Compact DAB/DAB+ Monitoring Receiver slots in seamlessly within DEVA's range of monitoring tools by offering another dimension of accuracy and cost-effectiveness. While also retaining the defining characteristics of the DEVA brand, this revolutionary product is specifically dedicated to one of the major areas in the industry - Digital Audio Broadcasting, and fully meets the ETSI EN 300 401 DAB standard.

Along with the guaranteed quality of performance, a crucial asset of this product is its design – compact, smart and extremely practical. Proving that practicality does not come at the cost of efficiency, the DB46 boasts a wealth of capabilities and superb features. It has a highly-selective DSP-based tuner, supports the latest DAB & DAB+ standards.

What is more, 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 DB46 measures the following DAB signals: RSSI, SNR, CNR, FIC Quality, FIB Errors, FFT Offset and the Left & Right Audio level values and stores them, thereby allowing for future analysis. A standard FTP client is all that is required for the collected data to be easily downloaded.

The BandScan function of the DB46 presents an overview of all DAB/DAB+ signals available, plus their RF signal strength. BandScans are possible within any section of Band III. The generated spectrum diagram shows the RF Level vs. the channels.

Another impressive feature of the DB46 is the fact that the tool guarantees 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. This allows for a fast response on the part of the maintenance staff so that prolonged signal loss can be prevented.

Users can also easily control and set up their DB46 unit remotely through their PC, tablet or smart phone via a standard web browser; iOS and Android devices are also supported.

Compact and affordable, with a remarkable set of technical characteristics, DEVA's DB46 is a definite must-have for accurate, dependable DAB/DAB+ monitoring.



FEATURES

- Built-in easy to use WEB and FTP server
- Protected access to the device settings
- Detailed DAB component information
- Real Time Audio Program Streaming
- Apple and Android devices support
- Quick Service access via 6 Presets
- DAB/DAB+ compliant receiver
- High-end digital tuner
- Support for Program Associated Data (PAD)
- 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
- Adjustable MIN/MAX alarms for RF, Left & Right Audio Levels

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 EN 300 401
Ensemble acquisition Time	940 ms
L&R Audio	1%, +5.0 to -50.0 dB, 0.1 dB resolution

DAB/DAB+ Metering	
Quality indicators	RSSI, SNR, CNR, FIC Quality, FIB Errors, FFT Offset
PAD	DLS, MOT
Metadata Displayed	Ensemble Label, Component List & ID, Service List & ID, Dynamic Label, PTY, Sample Rate, Bit Rate, Gain, Mode, Service Mode, Protection Info, Current CU & Address, Country, Language, Time & Date

Power	
Voltage	External, 12V/1A
Power Consumption	12VA

Outputs	
Audio stream	Icecast/Shoutcast compatible audio stream
Alarms	E-mail, SMS, SNMP
Headphone	1/8" (3.5mm) Phone Jack
GSM Modem	15-pin Male D-Sub Connector

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

Size and Weight	
Dimensions (W;H;D)	125 x 31 x 160 mm
Shipping Weight	270 x 54 x 230 mm / 1.054 kg



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