DAB/DAB+ Radio Streaming Receiver

Created with efficiency and dependability in mind, the DB36 - DAB/DAB+ Radio Streaming Receiver is an indispensable part of DEVA's range of streaming tools and offers another level of reliability 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.

The DB36 brings a reliable, high-quality streaming functionality as its main asset, while also offering monitoring capabilities. Along with the guaranteed top performance, a crucial advantage of this product is its design – compact, smart and extremely practical. Combining practicality with efficiency, the DB36 boasts a wealth of capabilities and superb features. It has a highly-selective DSP-based tuner and supports the latest DAB & DAB+ standards. Crucially, this product provides an analog input, which allows you to perform not only remote, but also local audio monitoring.

One of the main features of the DB36 is the fact that this 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.

What is more, this tool 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 DB36 also measures the DAB signal quality, as well as 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.

Users can also easily control and set up their DB36 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 features, DEVA's DB36 is a definite must-have when reliable streaming of the DAB/DAB+ signal is needed.

FEATURES

- **DAB/DAB+ compliant receiver**
- **Real Time Audio Program Streaming**
- **Support for Program Associated Data (PAD)**
- **Predefined DAB channels scan or manual tune**
- **Detailed DAB component information**
- **High-end digital tuner**
- **Real Time Audio Program Streaming**
- **Built-in easy to use WEB and FTP server**

- **Apple and Android devices support**
- **Protected access to the device settings**
- **Headphone output with front panel level control**
- **SNTP for automatic synchronization of the built-in clock**
- **LAN port for full TCP/IP remote control and monitoring**
- **Adjustable MIN/MAX alarms for RF, Left & Right Audio Levels**
- **Alarm dispatch via E-mail, SNMP ver.2C and GPO**
- **Firmware updates will ensure improved operation**

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

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

Power

Voltage	External, 12V/1A
Power Consumption	12VA
Connector	Power Jack 5.5mm

Size and Weight

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

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