RADIO STREAMER

Model DB37

HD Radio Streaming Receiver

Reliable, easy to manage and fully compliant with the Digital HD Radio Broadcasting standard, the DB37 brings together a dependable streaming functionality and practicality at an affordable price. One of its defining assets is its highly-selective DSP-based tuner, which allows the HD Radio Broadcast and FM station to be selected, listened to and recorded. Additionally, the dedicated hardware will let you constantly monitor the sound of your station and will also measure and store for future analysis the RF level and Left & Right Audio Levels. For an even better performance, the DB37 comes with a built-in FM RDS/RBDS Decoder and HD Radio PAD Decoder.

Crucially, this product provides an analog input, which allows you to perform not only remote, but also local audio monitoring. Users can also toggle through the FM and HD Radio broadcast stream to confirm audio presence and quality in live broadcast environments.

Another great feature of the product is the WEB interface, which guarantees easy remote setup and control. The setup and control of the unit could be done through your PC, tablet or smartphone, via a standard web browser. All operating systems are supported.

DB37 offers a great combination of reliable HD Radio streaming and an affordable price.

FEATURES

- **FM/HD Radio DSP-based Tuner 87.1 - 107.9MHz**
- **Up to 100 dBµV direct RF Antenna Input**
- **Selectable wide range IF filter bandwidth**
- **HD Radio PAD (Program-Associated Data) Info**
- **Provision for PAD data analysis and Logging**
- **Selectable De-emphasis - 50µs and 75µs**
- **RDS and RBDS decoder with BER meter**
- **Very Intuitive Navigational Menu**
- **Quick Station access via 4 Presets**
- **Real Time Audio Program Streaming**

- **Built-in WEB and FTP server**
- **Easy to use WEB interface**
- **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, L & R Audio Levels**
- **Alarm dispatch via E-mail, SNMP ver.2C and GPO**
- **Firmware updates will ensure improved operation**

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SPECIFICATIONS

FM/HD Radio Tuner

Tuning Range	87.1 to 107.9 MHz, Frequency Agile
Tuning Step	10, 20, 50, 100 kHz
Tuner Sensitivity	≤ 10µV for 50dB monaural FM S/N
Antenna Port	BNC Connectors, 50Ω
Dynamic range	100 dB

FM Demod

IF Filter Bandwidth	Adjustable from 10kHz to 150kHz
Frequency Response	±0.1 dB, 10 Hz to 86 kHz
Dynamic range	90 dB

Stereo Decoder

Frequency Response (L and R)	±0.1 dB, 10 Hz to 15 kHz
SNR (Stereo)	60 dB, 50 µs de-emphasis
THD	0.1%, 10 Hz to 15 kHz, 50 µs de-emphasis
Stereo Separation	50 dB, 50 Hz to 10 kHz, 50 µs de-emphasis

HD Radio

Audio Programs	MPS, SPS1 to SPS7
Quality Indicators	DAAI, CDNR, HD Radio lock
SIS Data	Station Slogan, Station Message, Station Long Name, Station Universal Short Name, FCCID
PAD Data	Artist, Title, Album, Genre

Measurements and Log Storage

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

RDS Decoder

Standards	European RDS CENELEC; United States RBDS NRSC
Error Correction & Counting	Yes
Decoder	PI, PS, PTY, AF, RT, RT+, DI, MS, TA, TP, CT, ODA
Group Analyzer	Yes
BER Analyzer	Yes
Group Sequence Display	Yes
RDS RAW Data Display	Yes

Metering Accuracy

RF Level	1%, 0 to 100 dBµV, 1dB resolution
Audio	1%, +5.0 to -50.0 dB, 0.1 dB resolution
Headphone	6,3mm (1/4") Phone Jack

Network

Connector	RJ-45
Type	Ethernet
Device discovery	UPnP support

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

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