

SPECIFICATIONS

RF INPUT	
Frequency Range	87.0 to 108 MHz, Frequency Agile
Step Increment	50 kHz
Antenna Input	50Ω, BNC Connector, 10 dBμV sensitivity
Internal Attenuator	0, 10, 20 and 30dB, auto
Dynamic Range	0 dBμV to 100 dBμV
S/N	57dB, RF > 60dBμV, 30dB, RF > 10dBμV

METERING RESOLUTION & ACCURACY	
RF Level	0÷95 dBμV; res. 0.1 dBμV; acc. ±1 dB (10÷85 dBμV)
Multipath	0 to 100%; accuracy ±1%
MPX Dev.	±120 kHz; res. 0.1kHz; acc. ±10%, ±5% typically
MPX Power	±12 dB; res. 0.1dB, 10 sec. integration; acc. ±0.2 dB
Audio Level	-50 to +5dB; res. 0.1dB; acc. - ±5%
Pilot Level	0÷12 kHz; res. 0.1 kHz; acc. - ±0.5 kHz, 1÷12 kHz
RDS Level	0÷9 kHz; res. 0.1 kHz; acc. ±10% typical and not guaranteed

Audio, MPX, Pilot, RDS levels	
Validity	RF level preferably > 50dBμV
Multiplex Level	Peak level, 256 ksamples over 1 sec.
Audio Level	Peak level, 64 ksamples over 1 sec.
Pilot Level	Mean peak level, 256 ksamples over 1 sec.
RDS Level	Mean peak level, 256 ksamples over 1 sec.

STEREO DECODER	
Stereo Separation	>25dB, typical >30dB
De-emphasis	50 or 75μs, Selectable
THD	0.5%

TCP/IP COMMUNICATION	
Type	Ethernet 10/100M Base-T Port
Connector	RJ45 (on rear panel)

POWER SUPPLY	
Voltage	100-240V / 50-60 Hz / 25W
Connector	IEC320

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

RDS DATA DECODING	
Standards	European RDS CENELEC; US RBDS NRSC
Error Correction & Counting	Yes
AF Decoding	Yes
CT (Time/Date)	Yes
PI, PTY, DI, MS, TA/TP	Yes
RT (Radio Text)	Yes
PS (Program Service name)	Yes

FFT SPECTRUM ANALYSIS	
Input	Composite MPX, Audio
Dynamic Range	80 dB
FFT Length	1024
Sampling Rate	256 kHz - Composite, 64 kHz - Audio

SCOPE ANALYSIS	
Input	Composite MPX, Audio
Trigger Mode	Auto, Fall
Dynamic Range	±120 kHz
Sampling Rate	256 kHz - Composite, 64 kHz - Audio

USER INTERFACE	
Web interface	Full monitoring and control; Interactive and easy to use
Indicators	6 LEDs (on front panel)
Headphone Output	1/8" (3.5mm) phone jack (on front panel)

OPERATING CONDITIONS	
Temperature	10° to 60°C
EMC Immunity	6V/m

SIZE AND WEIGHT	
Dimensions (W;H;D)	485 x 44 x 300 mm
Shipping Weight	540 x 115 x 300 mm / 4.5kg

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