

SPECIFICATIONS

RF Input	
Tuning Range	87.1-108 MHz, 65-74 MHz, 76-95 MHz
Tuning Step	10, 20, 50, 100 kHz
Tuner Sensitivity	30 dBμV
Antenna Ports	Dual, 2 x BNC Connectors, 50Ω
Antenna Ports Isolation	>40 dB
Internal Attenuator	0, 10, 20 and 30 dB
Dynamic range	100 dB

FM Demod	
IF Filter Bandwidth	15 Increments (25kHz - 157kHz, Auto)
Frequency Response	±0.1 dB, 10 Hz to 86 kHz
MPX Power	±12 dB, 20 sec. integration
Dynamic range	90 dB

MPX (Composite) Input	
Connector	BNC on rear panel
Impedance	10 kΩ
Frequency Range	10 - 70 kHz; ±0.01 dB, 100 - 60 kHz;
Sensitivity	3.5 Vp-p @ 100%

Stereo Decoder	
Frequency Response (L&R)	±0.1 dB, 10 Hz to 15 kHz
SNR (Stereo)	60 dB, 50 μs de-emphasis
THD	0.15%@1kHz, 0.4%@10Hz-15kHz, 50μs dmph
Separation	50 dB, 50 Hz to 10 kHz, 50μs de-emphasis
Crosstalk	52 dB

Outputs	
Audio (L, R)	+12 dBm, 600Ω balanced XLR Connector
AES3 (L, R)	5.0 Vp-p, 110Ω, balanced XLR Connector
SPDIF (L, R)	3.0 Vp-p, 110Ω, unbalanced BNC Connector
Optical (L, R)	Transmitter, TOSLINK
Alarms	Programmable terminals on rear panel, optoisolated
Headphone	6,3mm (1/4") Phone Jack, +12dBm maximum

Size and Weight	
Dimensions (W;H;D)	485 x 44 x 180 mm
Shipping Weight	540 x 115 x 300 mm / 2.700 kg

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

Scope Analysis (RF, Composite, Audio)	
Signal Sources	RF (IF), MPX, Pilot, RDS, Main, Sub, L, R
Record length	4096 points
Dynamic range	90 dB

Metering Accuracy	
RF Level	±1 dB, 0 to 100 dBμV
MPX Power	±0.2 dB, -12 to 12 dB, 0.1 dB resolution
Total, Pos, Neg	±2 kHz, 10 to 100 kHz, 1 kHz resolution
Pilot, RDS	±0.5 kHz, 1 to 12 kHz, 0.2 kHz resolution
Audio	±1 dB, +10.0 to -55.0 dB, 0.1 dB resolution

FFT Spectrum Analysis (RF, Composite, Audio)	
Signal Sources	RF (IF), MPX, Left, Right
FFT length	2048 points
Dynamic range	90 dB

Communication Interfaces	
USB	B-type Connector
Ethernet 10/100 Base-T	RJ45 Connector
GSM Modem	15 pin Male D-Sub Connector

Power	
Voltage	100-240V / 50-60 Hz / 25W
Power Consumption	20VA
Connector	IEC320, Fused and EMI-suppressed



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