

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 |

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