

ew 500 Sets

TECHNICAL DATA

EM 500

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| Modulation | wideband FM |
| RF frequency range | 516–558, 566–608, 626–668, 734–776, 780–822, 823–865 MHz |
| Transmission/receiving frequencies..... | 1,680, tuneable in steps of 25 kHz |
| Receiving frequencies | 1,680 frequencies, tuneable in steps of 25 kHz |
| | 20 frequency banks, each with up to 32 factory-preset channels, intermodulation-free |
| | 6 frequency banks with up to 32 user programmable channels |
| Frequency banks | 20 (factory presets) |
| | 6 (user presets) |
| Switching bandwidth | 42 MHz |
| Nominal/peak deviation | ±24 kHz/±48 kHz |
| Receiver principle..... | true diversity |
| Sensitivity (with HDX, peak deviation) | < 2 µV for 52 dBA rms S/N |
| Adjacent channel rejection | typ. ≥ 75 dB |
| Intermodulation attenuation..... | typ. ≥ 70 dB |
| Blocking..... | ≥ 75 dB |
| Squelch | Off, 5 to 25 dBµV, adjustable in steps of 2 dB |
| Pilot tone squelch | can be switched off |
| Antenna inputs | 2 BNC sockets |
| Companion system..... | Sennheiser HDX |
| EQ presets (switchable, affect the line and monitor outputs): | |
| Preset 1: "Flat" | |
| Preset 2: "Low Cut" | -3 dB at 180 Hz |
| Preset 3: "Low Cut/High boost" | -3 dB at 180 Hz |
| | +6 dB at 10 kHz |
| Preset 4: "High Boost" | +6 dB at 10 kHz |
| S/N ratio (1 mV, peak deviation) | ≥ 115 dBA |
| THD | ≤ 0.9 % |
| AF output voltage (at peak deviation, | |
| 1 kHz AF) | ¼" (6.3 mm) jack socket (unbalanced): +12 dBu |
| | XLR socket (balanced): +18 dBu |
| Adjustment range of audio output level..... | 48 dB, adjustable in steps of 3 dB |
| | +6 dB gain reserve |
| Temperature range..... | -10 °C to + 55 °C |
| Power supply..... | 12 V |
| Power consumption..... | 350 mA |
| Dimensions | approx. 202 x 212 x 43 mm |
| Weight (incl. batteries) | approx. 980 g |
| In compliance with..... | CE, FCC, IC, ETS 300422, ETS 300445 |

MAINS UNIT

| | |
|---------------------------------|-------------------------------------|
| Input voltage..... | 100 to 240 V~, 50/60 Hz |
| Power/current consumption | max. 120 mA |
| Output voltage | 12 V |
| Secondary output current..... | 400 mA |
| Temperature range..... | -10 °C to +40 °C |
| In compliance with..... | CE, FCC, IC, ETS 300422, ETS 300445 |

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