

MB1

STANDALONE DIRECT SAMPLING TRANSCEIVER



Inside:

- HIGH-END SDR radio
- Windows 10
- Intel Core i5 quad-core 2.8 GHz
- Supports 2 external 4K displays
- 8Gb RAM
- 120Gb SSD

The MB1 transceiver - is a new trend in amateur radio, a transceiver and a computer in a single package. MB1 combines a classic design, developed over several decades, with the most advanced DUC/DDC SDR-technology - Digital Down Conversion (DDC) and Digital Up Conversion (DUC), plus a fully-featured high-end personal computer with an Intel Core i5 processor on board.

RF ADC clock frequency, MHz	160
RF ADC resolution, bit	16
Receiving freq. bandwidth, MHz	0.09...65, 95...148
Amount of independent receive channels	2
Sensitivity, uV.....	0.07
Max HF output power, W	100
Max VHF output power, W	50
HF TX freq. coverage.....	All amateur bands
VHF TX freq. coverage.....	2M, 6M
Blocking Dynamic Range (BDR), dB	129...130

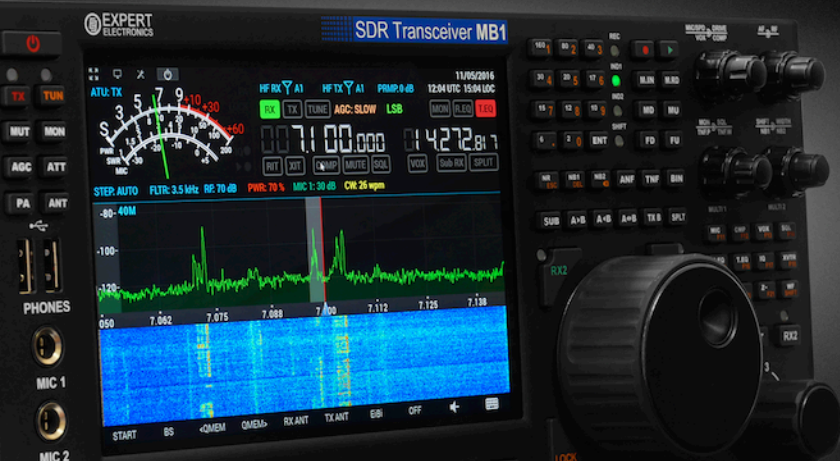
RF DAC clock freq., MHz	640
RF DAC resolution, bit.....	14
Dynamic Range over IMD3, dB	98
Internal Antenna Tuner.....	Optional
Local oscillator's stability, ppm	±0.5
Operating temperature, °C.....	0...+50
Built-in power supply.....	Standard
AC Power voltage range, V, Hz....	~110...220, 50...60
Dimensions, LxWxH, mm.....	320x250x140
Weight, kg.....	10



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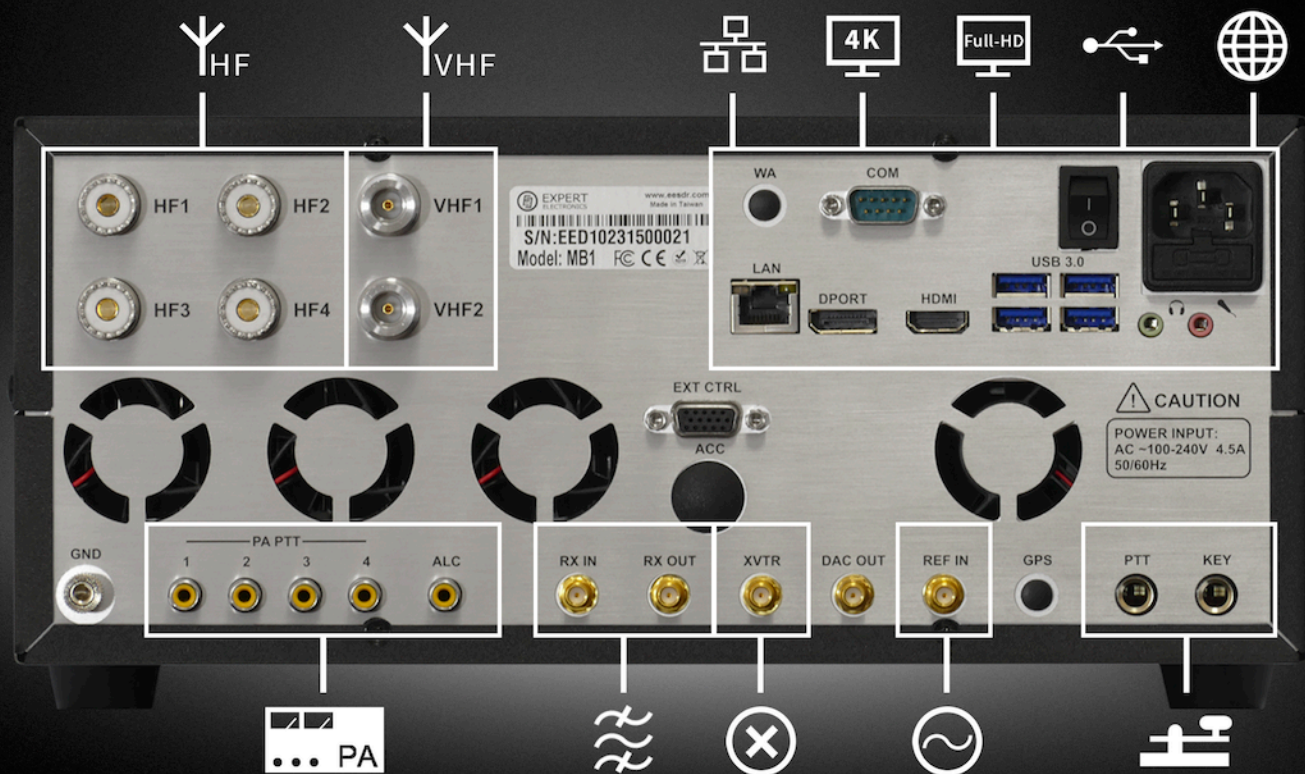
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- 7" IPS DISPLAY
- 1280x800 RESOLUTION
- 16:10 ASPECT RATIO
- MULTI-TOUCH DISPLAY
- BACKLIT KEYPAD

Features of the transceiver

- Direct Sampling Receiver
- Direct Sampling Transmitter
- Two software receivers, 2 main receivers with 1 sub each, 80 MHz wide bandscope
- Internal antenna switch - 4 HF, 2 VHF antennas
- Four PTT outputs for external power amplifiers
- Supports VHF transverters
- Embedded power supply unit
- SO2R, SO2V modes
- Remote control operation
- Windows compatible software: CW Skimmer, DIGI, Logs, Skype, Media, E-mail, Internet, etc.



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