SunSDR2 PRO

DIRECT SAMPLING HF/6M/VHF TRANSCEIVER

- LAN Interface
- 80 MHz wide bandscope
- 2x312 kHz software receivers
- 4 slice receivers
- Ultra low CW delay
- Linux or Windows your choice!
- User-friendly software
- Remote control



The SunSDR2 PRO transceiver is designed for advanced use in HF and VHF bands. Even the most experienced operator may be surprised by its capabilities. The modern hardware in a small physical size makes this high performance SDR Transceiver the perfect base station while at the same time very portable for field operations. The SunSDR2 PRO is perfect for contesting! ExpertSDR2 is the powerful and flexible software, which lets you to create a custom designed station setups for many different types of contest efforts.

RF ADC clock frequency, MHz	160
RF ADC resolution, bit	16
Receiving freq. bandwidth, MHz	0.09...65, 95...148
Blocking dynamic range (BDR), dB	129
Sensitivity, uV	0.07
Max HF output power, W	20
Max VHF output power, W	8
HF TX freq. coverage	All amateur bands
VHF TX freq. coverage	2M, 6M
General coverage receiver VHF, MHz	95...148
RF DAC clock freq., MHz	640
RF DAC resolution, bit	14
Local oscillator's stability, ppm	±0.5
Maximum consumption current, A	5
Built-in audio codec resolution, bit	24
ALC input voltage range, V	0...-4
Operating temperature, °C	0...+50
DC Supply voltage range, V	12...16
Dimensions, LxWxH, mm	165x165x35
Weight, kg	1.5

EXPERT ELECTRONICS

Expert Electronics LLC
+7(8634)34-00-26
+7(938)119-77-37
info@sunsdr.com
www.eesdr.com

SunSDR2 PRO is controlled by the ExpertSDR2 software



Features of the transceiver:

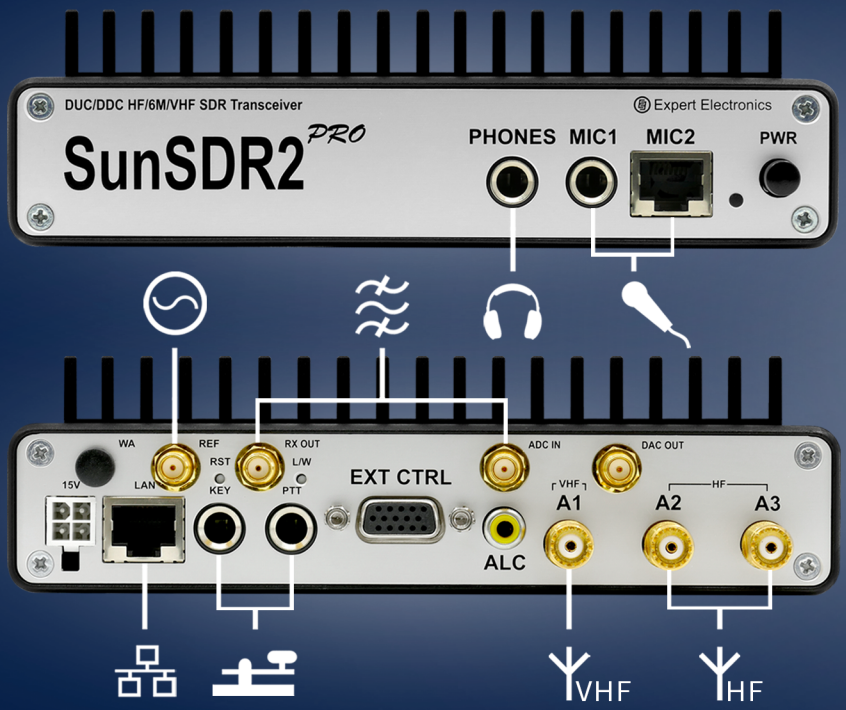
- Direct Sampling Receiver
- Direct Sampling Transmitter
- Internal antenna switch - 2 HF antennas
- ALC connector for external power amplifiers
- Ext control connector with 10 open collector keys
- Galvanic isolation in LAN interface
- Polarity reversion protection
- Built-in power-meter HF/VHF bands
- Built-in SWR-meter HF band
- SO2R, SO2V modes
- Remote control operation

PC requirements:

- CPU Intel Core i3 1.6 GHz and higher
- Video card, minimum resolution 1024x600, 128 MB, OpenGL 1.5 support and higher
- Local network connector 100 Mbps or 1 Gbps
- OS Windows XP/7/8 x32 or x64, OS Linux Ubuntu x64

ExpertSDR2 supports most HAM software:

- CW Skimmer - can be used two CW Skimmers
- Loggers - MixW, Logger32, N1MM, WriteLog
- DIGI software - MixW, MMVARI, MMTTY, etc.



E-Coder

Ergonomic way to control SunSDR2 PRO



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