SunSDR2 DX

DIRECT SAMPLING HF/6M/VHF TRANSCEIVER

- 100W HF; 50W 6M; 8W 2M
- Professional TX processing module
- TCI interface
- Remote control - RX and TX
- SO2R/SO2V modes
- 10 ms CW MON delay
- High-performance DSP module
- User friendly ExpertSDR2 software
- Windows, macOS, Linux support

The SunSDR2 DX transceiver based on the well-known SunSDR2 PRO transceiver with several hardware improvements. It is a 100W-HF; 50W-6M; 8W-2M transceiver, very compact, has a separate connector for active cooling and improved supply system, meaning it's perfectly suited for DXpeditions. Also, we've added separate connectors for GPS/GLONASS antenna and external ATU, thus SunSDR2 DX has all the functionality you got used to in our radios and even more. Improved hardware along with the ExpertSDR2 software makes this high-performance SDR transceiver the perfect base station. The evident choice for a true contester!

RF ADC, bit @ MHz	16 @ 160
RX frequency range, MHz	0.1...65, 95...155
Sample rate, kHz @ bit	39; 78; 156; 312 @ 24
Independent software receivers	2 + 2 SubRX
Bandscope, MHz	80
BDR on HF/VHF, dB	129/114*
Sensitivity, uV	0.07*
DR IMD3, not less dB	98*
RMDR, dB	110*
ATT/Preamp, dB	-20; -10; 0; +10
VHF LNA, dB	+22*
RF DAC, bit @ MHz	14 @ 640
TX frequency range	All HAM bands 160-6; 2
Max HF output power, W	100
Max 6M output power, W	50
Max 2M output power, W	8
TX IMD3 on HF/VHF, dB	25...30*
Local oscillator, MHz ± ppm	20 ± 0.5
Operating temperature, °C	0...+75
PC interface	LAN 100 Mbit
Dimensions, LxWxH, mm	190x170x80
Weight, kg	1.8

* these parameters may change in serial device

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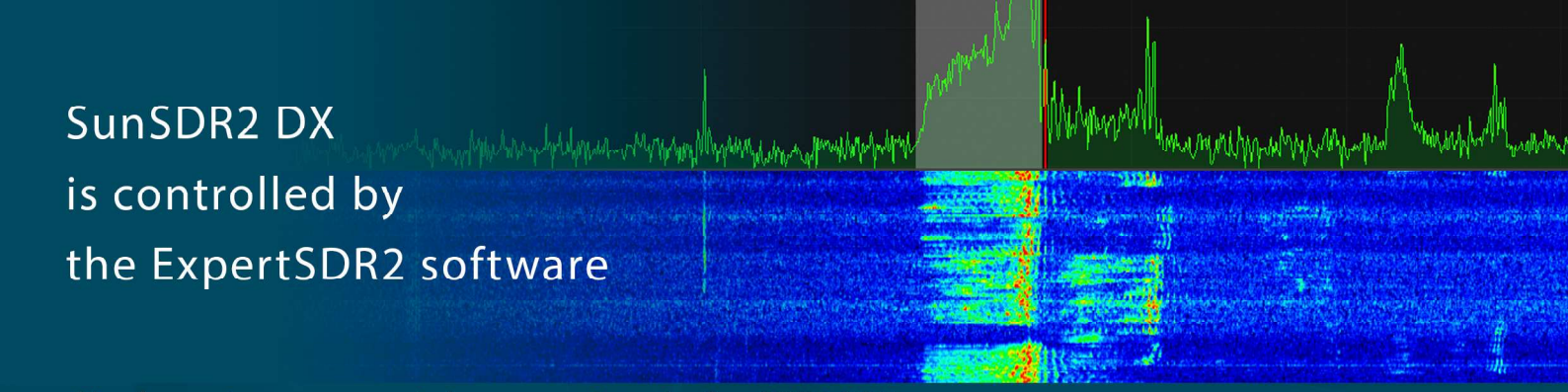
SunSDR2 DX is controlled by the ExpertSDR2 software



Hardware improvements in comparison to SunSDR2 PRO:

- Improved supply system, which leads to less heating and less power consumption
- HPF for VHF (100 MHz) and LPF for HF (70 MHz)
- Better VHF LNA chip - PGA103+
- Sturdy DIP-type ExtCtrl connector
- New connectors: external tuner control, GPS/GLONASS antenna, GND
- Improved PCB topology

Features of the transceiver:

- **2 HF** antenna connectors and **separate VHF** antenna connector (Mini UHF connectors)
- **ExtCTRL** connector to control external devices with 8 powerful keys with open collector
- **ALC** connector for external power amplifiers
- Supports use of **VHF transverters**

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