

HS2 UF/UHF/VHF Full Mode SDR Transceiver



- Full Frequency Full Mode
- Real-time spectrum
- Waterfall illustration
- Doppler frequency tracking
- Double frequency conversion circuit structure
- DSP digital noise reduction
- Built-in Automatic Antenna tuner
- Built-in sound card with IQ and audio output
- USB Type-C 3.1 interfaces
- Power supply reverse connection protection



HS2

HF/UHF/VHF Full Mode SDR Transceiver

Specifications:

Transmitter Parameter

Transmitting Architecture	SDR
Transmitting Mode	SSB, CW, RTTY, AM, FM
Frequency Resolution	1Hz
Transmitting Frequency Range/MHz	1.800~2.000; 3.500~3.900; 5.351.5~5.366.5; 7.000~7.200; 10.100~10.150; 14.000~14.350; 18.068~18.168; 21~21.450; 24.890~24.990; 28~29.7; 50~54; 144~146; 430~440.
Output Power	HF+6m: SSB: 1W~20W, CW: 0.1W~20W, FM: 0.1W~20W, AM: 1W~5W; VHF: SSB/CW/FM: 0.5W~5W; UHF:SSB/CW/FM: 0.5W~5W.
Power Consumption	TX: 13.8V*6A(20W); RX: 13.8V*0.35A Typical value, 0.45A(Maximum brightness, audio peak)
Carrier Suppression	≤50dB
Spurious Suppression	1.8 MHz~54MHz: ≥50dB; 144 MHz~146MHz: ≥60dB; 430 MHz~440MHz: ≥60dB.
Number of Channels	999 (Temporarily unavailable)

Receiver Parameter

Receiving Architecture	SDR
Receiving Mode	SSB,CW,RTTY,AM,FM
Receiving Frequency Range	300kHz~1.6GHz*
Intermediate Frequency Bandwidth	20kHz
Intermediate Frequency	ZERO IF
Sensitivity	SSB/CW:(BW: 2.4kHz @ 10dB S/N) ; 0.18μV(1.8~54)MHz; 0.25μV(144~146)MHz; 0.25μV(430~440)MHz; AM:(BW: 6kHz @ 10dB S/N); 15μV(0.3~1.8)MHz; 2μV(1.8~54)MHz; 2μV(144~146)MHz; 2μV(430~440)MHz; FM:(BW: 15kHz @12dB S/N); 0.5μV(28.0~29.7)MHz; 0.25μV(50~54)MHz; 0.3μV(144~500)MHz; 0.5μV(430~440)MHz
Intermediate Frequency suppression	≥70dB
Image Suppression	≥80dB
Audio Output Power	2W(10% distortion rate, 4Ω load, 3kHz)

Antenna Tuner Parameter

Tuning Frequency Range	1.8 MHz~54MHz
Tuning Impedance Range	16.7Ω~150Ω unbalance (standing wave ratio is better than 1:3)
Tuning Accuracy	VSWR: ≤1:1.5or less
Tuning Time	2s~5s (Full Band 10s)
Tuning Ways	Automatic/Manual

Structural Parameter

Size	190mm×120mm×45mm (without protrusions)
Weight	<1.5kg

Note: Ailunce HS2 constantly updates the firmware, the manual is also constantly updated. Please download the latest manual from website. <https://www.ailunce.com/Support/HS2/UserManual>



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