

XIEGU

Wireless Technology,
Unlimited Creativity

New-generation X Series Compact-type Transceiver

X6200

HF/50MHz Compact-type Amateur Radio Transceiver

Integrated, portable

X6200 inherits the compact and high performance characteristics of the X6 series. As a new generation flagship ultra-portable transceiver, it combines excellent performance with advanced features to meet your various expectations and requirements for portable ones.

Complete functions and rich configuration

X6200 has unique features of SDR, such as variable bandwidth digital filters, digital noise reduction, digital pulse interference elimination, recording call, spectrum/waterfall display, preset messages, modulation/demodulation (CW/RTTY/PSK), etc., meeting the requirements of mainstream digital device configurations.

Highly scalable system

The system, which incorporates deep optimization, not only achieves powerful current functionality but also meets the future expansion needs for additional features, providing players with a richer control experience.



- The 4-inch high-resolution color screen (800*480), carrying a powerful quad-core mobile processor, is designed to meet future expansion requirements.

- It has all the elements that an ultra-portable machine should have, including built-in detachable battery pack, built-in high-performance automatic antenna tuner, built-in microphone, recording call, preset message sending, and standing wave scanner.



- High-performance DRFS platform can meet your expectations and needs. Functions comparable to desktop computers, such as remote control, band map, variable band, width digital filter, digital noise reduction, etc., everything needed is ready.

X6200 uses a high-performance DRFS platform architecture and is equipped with a powerful baseband and RF unit, bringing amateur radio enthusiasts a more convenient user experience. The new platform architecture provides enthusiasts with higher receiver sensitivity and lower noise coefficient, allowing for clearer reception of signals from different locations.

In addition, X6200 possesses all the characteristics of a super portable device, making it easy to carry outdoors or while traveling. Its compact design and portability allow users to listen to their favorite signals at any time and any place, making the use of transceivers more free and flexible.

- HF/50MHz all-mode
- Detachable battery pack
- Built-in efficient automatic antenna tuner
- Integrated standing wave scanner and voice pager
- Integrated modem, preset message, CW automatic call
- Integrated USB line control/transmission, built-in sound card
- Support remote control, wireless FT8 operation
- WFM broadcast reception, aviation band reception

The whole machine provides two USB interfaces, supporting HOST and DEVICE. It provides an ACC interface, with a dedicated cable, it can be directly connected to the XPA125B amplifier, to achieve automatic control. It provides a 3.5mm-KEY interface for the connection of hand keys and automatic keys. It provides an S/P interface, which can be customized as an external speaker or earphone through menu selection.

X6200 has two preset external expansion component installation positions, which can be used to install external expansion components and integrate them with the host, allowing for applications in other frequency bands or installation of peripherals.



Common Indicators

Frequency range	Reception: 0.5MHz~30MHz 50MHz~54MHz 88~108MHz (FM broadcast) 108~136MHz (aviation band) Transmission: 1.8~2.0MHz 3.5~3.9MHz 5.3515~5.3665MHz 7.0~7.2MHz 10.1~10.15MHz 14.0~14.35MHz 18.068~18.168MHz 21.0~21.45MHz 24.89~24.99MHz 28.0~29.7MHz 50~54MHz
Working mode	SSB , CW , FM , RTTY , AM
Minimum frequency step	1Hz
External power supply voltage	DC 9.0V~15.0V
Frequency stability	±1ppm (20 minutes after start)
Antenna port impedance	50Ω
Antenna interface type	BNC
Working temperature range	0°C~50°C
Transmission power	Battery: 5W±1dB @Max External power: 8W ±1dB @Max
Current consumption	Standby: 650mA @Max Transmission: 3.5A @Max
Overall dimensions	Approximately 200*89*51mm (excluding protrusions such as knobs)

Transmitter Indicators

Stray suppression	≥60dB
Carrier suppression	≥40dB
Sideband suppression	≥50dB
SSB frequency response range	300Hz~2700Hz(-6dB)
FM modulation frequency offset	±5kHz
Microphone impedance	200~10kΩ
Antenna tuner tuning impedance range	20Ω ~ 175Ω
Antenna tuner initial tuning time	≤10s
Antenna tuner tuning read time	≤0.1s

Supported Peripherals

XPA125B	100W power amplifier and antenna tuner AIO
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*The specifications and parameters of the product are subject to the actual sales status.
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Receiver Indicators

Received sensitivity (10dB S/N) <small>(PRE=on, ATT=off, NB=off, NR=off, SSB/CW/AM = 10dB S/N, FM = 12dB SINAD)</small>	Band	SSB/CW/FM	AM
	0.55 - 1.79MHz	/	10uV
	1.8~27.999MHz	0.20uV	2uV
	28.0~30.0MHz	0.20uV	2uV
	50.0~54.0MHz	0.20uV	2uV
Reception sensitivity (WFM/AM)	88~108MHz	Greater than 5uV	
	108~136MHz	Greater than 10uV	
MDS	-138dBm		
Audio output	0.5W (4Ω, ≤10% THD)		



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WEISHENG devotes itself to creating excellent professional and amateur radio communication devices, so as to help Chinese manufacturing go global.

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