XIEGU

Wireless Tech, Infinite Possibilities

HF/50MHz shortwave transceiver

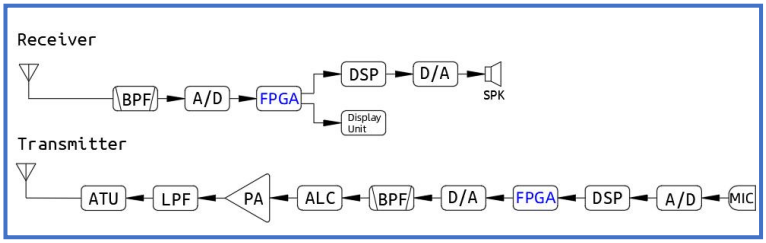
G7250

100W HF Amateur Radio Transceiver

- ◎ RF Direct Sampling architecture for excellent performance
- ◎ Covers HF and 50MHz amateur radio bands
- ◎ Built-in adjustable digital filters
- ◎ Digital noise reduction, Noise Blanker (NB), and Noise Threshold (NTH)
- ◎ Built-in voice recorder and playback for calling
- ◎ Pre-set CW (Morse code) message calling
- ◎ Spectrum and waterfall display
- ◎ Built-in automatic antenna tuner
- ◎ Remote baseband signal transmission over a network

The G7250 features a top-tier Direct RF Sampling platform architecture, equipped with powerful baseband and RF units, giving amateur radio enthusiasts a smoother and more convenient operating experience. Its robust RF output power makes contacts feel effortless.

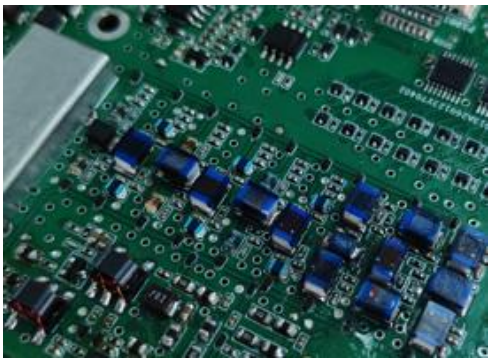
Thanks to its split design, the head unit (display and controller) and the main body can be deployed independently, making it a great fit for various setups and operating environments.

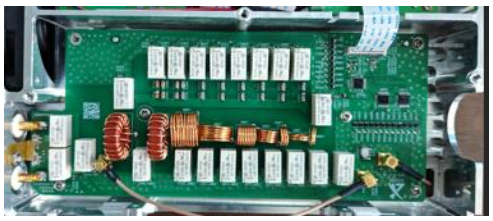


The display/control unit (head) comes with a 7-inch high-resolution capacitive touchscreen and full-featured physical buttons. You can operate the radio by touch, by pushing buttons, or a combination of both. This clever setup greatly lowers the learning curve, boosts ease of use, and lets you handle most daily functions with just a single step.

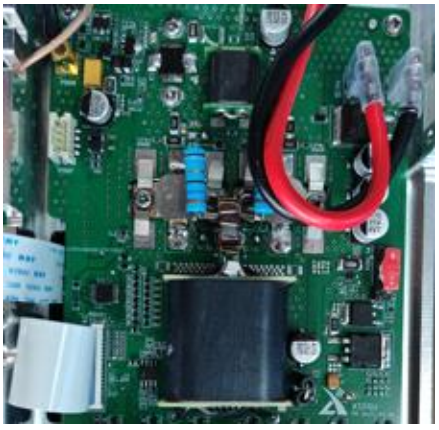
The G7250's receiver uses multi-stage filters and high-Q inductors to minimize input loss, ensuring excellent signal selectivity. Its two-stage large-dynamic preamplifier delivers outstanding IP3 performance, greatly boosting the overall dynamic range of the front end.

It also has a built-in automatic antenna tuner that can compensate for mismatched antennas. The tuner saves the parameters for each band, so when you switch back to a previously tuned band, it automatically reloads those settings—saving you time and avoiding repeated tuning.





Stable and Reliable RF Power Amplifier Unit



Main Specifications	
Frequency Range	0.5MHz～30MHz　50MHz～54MHz
Operating Modes	SSB , CW , NFM , AM 、DIG
Minimum Frequency Step	1Hz
External Power Supply Voltage	DC 9.0V～15.0V
Transmit Power	HF：　100W±1dB 50MHz：90W±1dB
Receive Sensitivity	0.2uV(SSB/CW/FM) 2uV(AM）
MDS	-138dBm
Operating Temperature Range	0℃～55℃

Transmitter Specifications	
Spurious Suppression	≥55dB
Carrier Suppression	≥40dB
Sideband Suppression	≥50dB
SSB Frequency Response	300Hz～2700Hz（-6dB）
FM Deviation	±5kHz
Microphone Impedance	200～10kΩ
Tuner Matching Impedance Range	20Ω ~ 150Ω
Initial Tuning Time	≤10s
Memory Tuning Time	≤0.1s

*Actual specifications are subject to the mass-produced product.

Supported Accessories	
GY-10	External Speaker

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Weisheng Communication is dedicated to crafting high-quality professional and amateur radio communication equipment, helping "Made in China" reach the global stage.