

5KW FM Transmitter

YXHT-FM5KW



Car baking paint is used on the surface of the chassis. It is bright and beautiful. The frame is made of aluminium alloy, and the internal structure is made of stainless steel. It is corrosion-resistant and rust-proof.

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5 sets of power supply, each set of power supply of 2500W. Plug type, convenient and quick for replacement.



Four direct current fans, plug type, large air volume, good cooling mode, convenient and quick for replacement. Made of 304 stainless steel, suitable for long-term use in humid areas, corrosion resistance and rust resistance.

5KW FM Stereo Transmitter Introduction

YXHT-5KW is an excellent FM stereo transmitter for professional radio stations. It is reliable and high Performance. It consists of center control module, double digital exciters, 4pcs hot-plug 1.5KW FM amplifier modules, 4-way combiner, a perfect BPF and 4pcs hot-plug 2500VA switched power source modules.

Features:

1. Four units 1.5KW hot-plug RF power modules. Total output power is extremely stable thanks to AGC(Automatic Gain Control).
2. Four units 2500VA hot-plug switched power supply units are working in parallel.
3. 4-way High efficiency power combiner with patent technology.
4. Two All-digital 100W exciters (DSP+DDS) with automatically changeover switcher (optional).
5. Analog and digital(AES/EBU)audio signal input directly.
6. 12.1-inch Color LCD with touch panel displays all the parameters in real time.
7. Intelligent protect functions by centre control unit, like over Pf, over SWR, over Temp ,Over V, Over I.
8. Real hot-plug structure, the modules can be repairing at non-stop condition.
9. RS232/RS485 Communication interface ready for remote system.

Technical Specifications:

1. Frequency Range: 87.0MHz~108 MHz
2. Frequency Setting step: 10KHz
3. Carrier Frequency precision:200Hz
4. Residual Wave Radiation: 70dBc
5. Analog audio Input Impedance:600Ω, Balance AES/EBU digital audio input impedance: 110Ω, Balance
6. Separation: >50dB, 30Hz~15KHz
7. Audio Input Level: -10dBm~+10dBm, step 0.01dB
8. S/N:>75dB(1kHz, 100% modulation)
9. Audio Harmonic Distortion: <0.1%
10. Audio response:0.1dB(10Hz~15KHz)
11. Output Load Impedance: 50Ω
12. Output Power: 0W~5KW
13. Pre-emphasis: 0μS, 50μS, 75μS
14. Deviation: ±75kHz
15. Pilot Frequency: 19 kHz; 0.5Hz
16. RF Output Interface: 1-5/8"
17. Size:105cm X57cmX156cm
18. Weight: 150KG