

3KW FM Stereo Transmitter

ZHC618F-3000W/M2 is an excellent FM stereo transmitter for professional radio stations. It is reliable and high Performance. All in one 1meter rack, compact design. It uses Digital Signal Process (DDS+DSP)Technology, high reliability switch power supply modules. It consists of **center control** module, **Dual-Exciters**, 4pcs 1KW FM **amplifier** modules, a perfect **BPF**.



FEATURES

- Hearing similar to **CD**
- The 3KW Power Amplifier is Installed in one 3U 19inch rack.
- 4pcs 1KW RF power modules inside. Total output power is extremely stable thanks to **AGC** (Automatic Gain Control).
- Compact Design, small size
- Digital 100W exciters (**DSP+DDS**).
- Analog and digital (**AES/EBU**) audio signal input directly.
- 8-inch Color **LCD** with **touch panel** displays all the parameters in real time.
- Intelligent **protection** functions by centre control module, like over PF, over SWR, over Temp, Over V, Over I.
- **TCP/IP/RS232** Communication interface ready for remote system.

SPECIFICATIONS

1.Frequency Range:	87.0MHz~108.0MHz
2.Frequency Setting step:	10KHz
3.Carrier Frequency precision:	±200Hz
4.Residual Wave Radiation:	≥67dBc
5. Audio Input Impedance:	600Ω, Balance (for analog) 110Ω, Balance (for digital AES/EBU)
6.Stereo Separation:	50dB(30Hz~15KHz)
7.Audio Input Level:	±10dBm, step 0.01dB
8.S/N:	≥75dB(30H~15kHz,100%)
9.Audio Harmonic Distortion:	<0.1%
10.Audio response:	±0.1dB(30Hz~15KHz)
11.Output Load Impedance:	50Ω
12.Output Power:	0~3000W adjustable
13.Pre-emphasis:	0μS, 50μS, 75μS
14.Deviation:	±75kHz
15.Pilot Frequency:	19 kHz±1Hz Pilot Signal Modulation: 8%~10%
16.Sub-carrier Suppression:	≥65dB
17.RF Output Interface:	7/8' or 1-5/8' Flange
18.Size:	19inch rack 574mm(W)x1000mm(H)x880mm(D)
19.Weight:	150KG