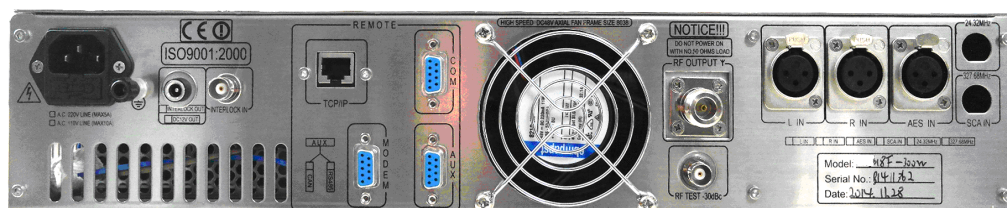


ZHC618F-30W/100W FM Synchronous Transmitter

ZHC618F-30W/100W FM Synchronous Transmitter is a new generation of digital synchronous exciter. It is sent directly to synchronous satellite receiver digital audio signal filtering, pre-emphasis, delay, pilot generator, such as a full stereo coding digital processing, and then using direct digital synthesis technology to modulate signal output, GPS numerals frequency converter synchronization for the entire network.



FEATURES

- Hearing similar to **CD**
- All-digital technologies **DSP+DDS**
- Built-in audio signal limiter
- Analog and digital (**AES/EBU**) audio signal input directly.
- **AGC** circuit can keep the Output Power stability.
- Big **LCD** display all the parameters in real time.
- Communication Interface by **TCP/IP; CAN; RS232** for remote

- Five kinds of protections for the security
- Stainless steel cabinet

Technical Specifications:

1. Frequency Range:	87.0MHz~108.0MHz
2. Frequency Setting step:	10KHz
3. Carrier Frequency precision:	±200Hz
4. Output Power:	0~30W/100W
5. Output Load Impedance:	50Ω
6. RF Output Interface:	N (female)
7. Residual Wave Radiation:	≥65dBc
8. Audio Input Impedance:	600Ω, Balance, XLR
9. Stereo Separation:	55dB
10. Audio Input Level:	-12dBm~+8dBm
11. Audio Gain:	±15dBm, step 0.01dB
12. S/N:	≥75dB(30Hz~15KHz,100% Modulation)
13. Audio Harmonic Distortion:	<0.1%
14. Audio response:	±0.05dB (30Hz~15KHz)
15. Pre-emphasis:	0μS, 50μS, 75μS
16. Deviation:	±75kHz (100% Modulation)
17. Pilot Frequency:	19kHz±1Hz
18. Pilot Signal Modulation:	8%~10%
19. Sub-carrier Suppression:	≥65dB
20. Power Supply:	110VAC~240VAC, 50Hz~60Hz
21. Operation Temperature:	-5°C to +50°C
22. Operation Altitude:	5000m above sea
23. Humidity:	90%
24. Size:	2U, 19-inch standard
25. Weight:	13KG