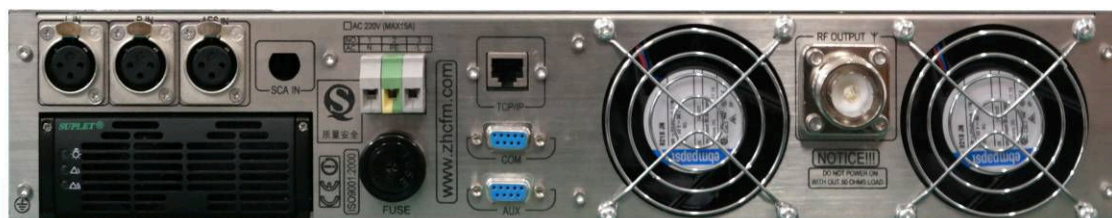
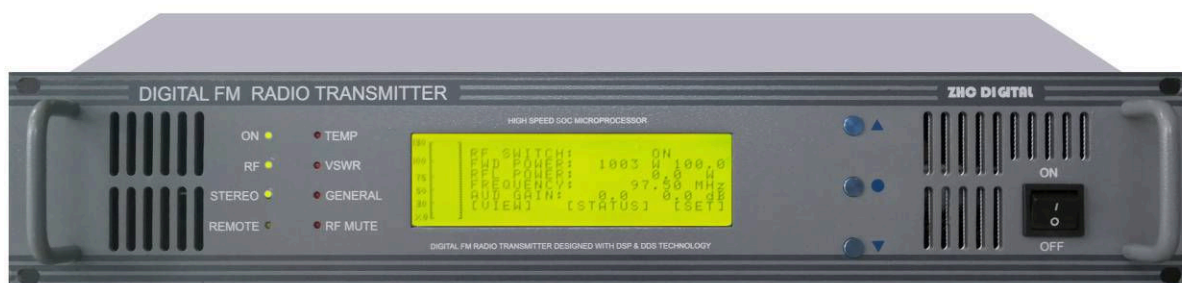


ZHC618F-500W Compact FM Stereo Transmitter

ZHC618F-500C is a compact FM stereo broadcasting transmitters. The advanced digital technologies, Digital Signal Processor (DSP) and Digital Direct Synthesizer (DDS), are used in the transmitters to get little size, high performance and high reliability. They are widely used for professional radio stations to transmit high quality FM radio programs.



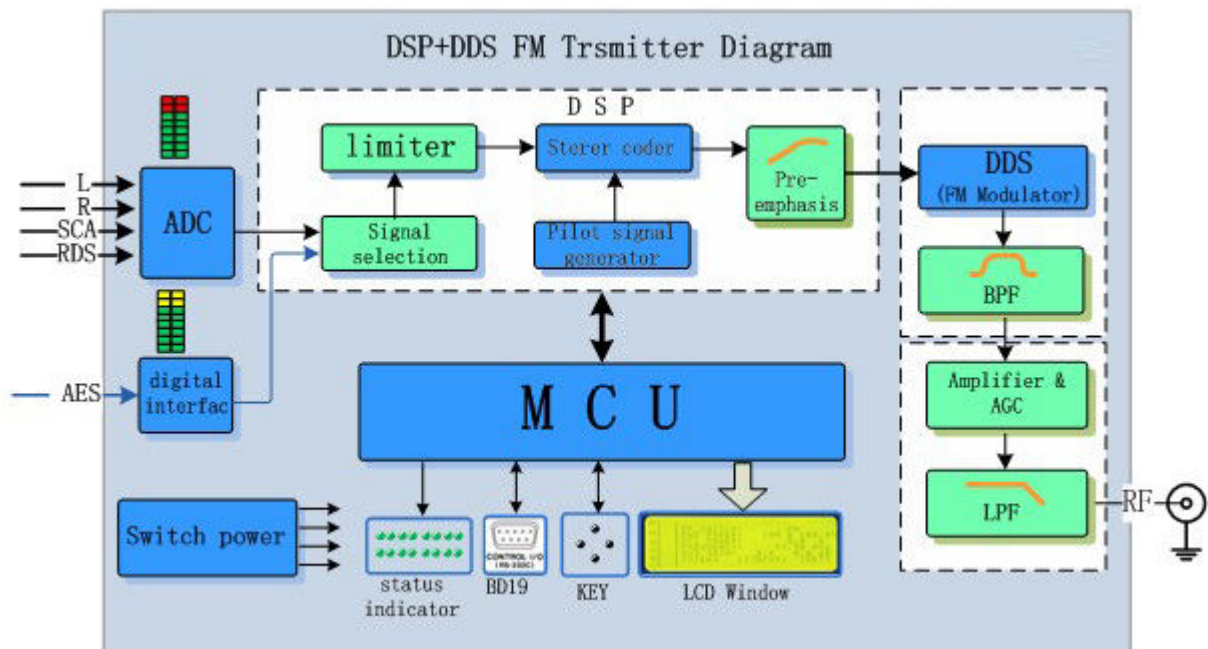
FEATURES

- 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.

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- Big **LCD** display all the parameters in real time.
- Communication Interface by **RS232** for remote
- Five kinds of protections for the security
- **Compact** structure
- Stainless steel cabinet

ZHC618F-500W FM Transmitter DIAGRAM



Technical Specifications:

| | |
|---------------------------------|-----------------------------|
| 1. Frequency Range: | 87.0MHz~108.0MHz |
| 2. Frequency Setting step: | 10KHz |
| 3. Carrier Frequency precision: | ±250Hz |
| 4. Residual Wave Radiation: | ≥65dBc |
| 5. Audio Input Impedance: | 600Ω, Balance |
| 6. Stereo Separation: | 55dB |
| 7. Audio Input Level: | ±10dBm, step 0.01dB |
| 8. S/N: | ≥75dB (10H~15kHz, 100%) |
| 9. Audio Harmonic Distortion: | <0.1% |
| 10. Audio response: | ±0.05dB (10Hz~15KHz) |
| 11. Output Load Impedance: | 50Ω |
| 12. Output Power: | 0~500W |
| 13. Pre-emphasis: | 0μS, 50μS, 75μS |
| 14. Deviation: | ±75kHz |
| 15. Pilot Frequency: | 19kHz±1Hz |
| 16. Pilot Signal Modulation: | 8%~10% |
| 17. Sub-carrier Suppression: | ≥65dB |
| 18. RF Output Interface: | 7/16'(female) or 7/8'Flange |
| 19. Size: | 2U, 19-inch standard |
| 20. Weight: | 20KG |