

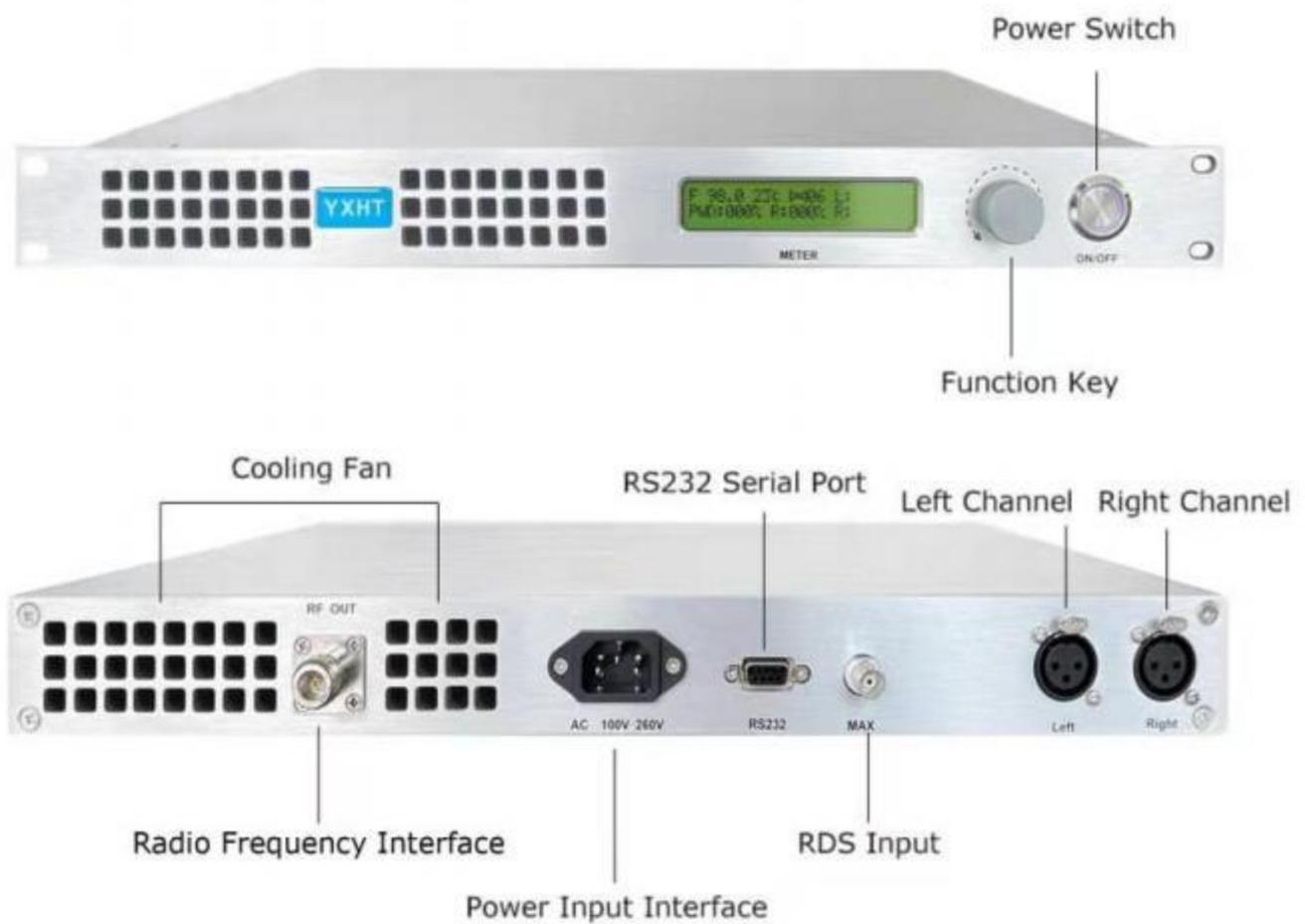
## YXHT 50W FM Transmitter

### ALL-DIGITAL TECHNOLOGIES DSP+DDS FIVE KINDS PROTECTIONS FOR SECURITY

The DSP(Digital Sound Processing) technology makes the YXHT FM transmitter an enjoyable sound broadcasting device for all music lovers.

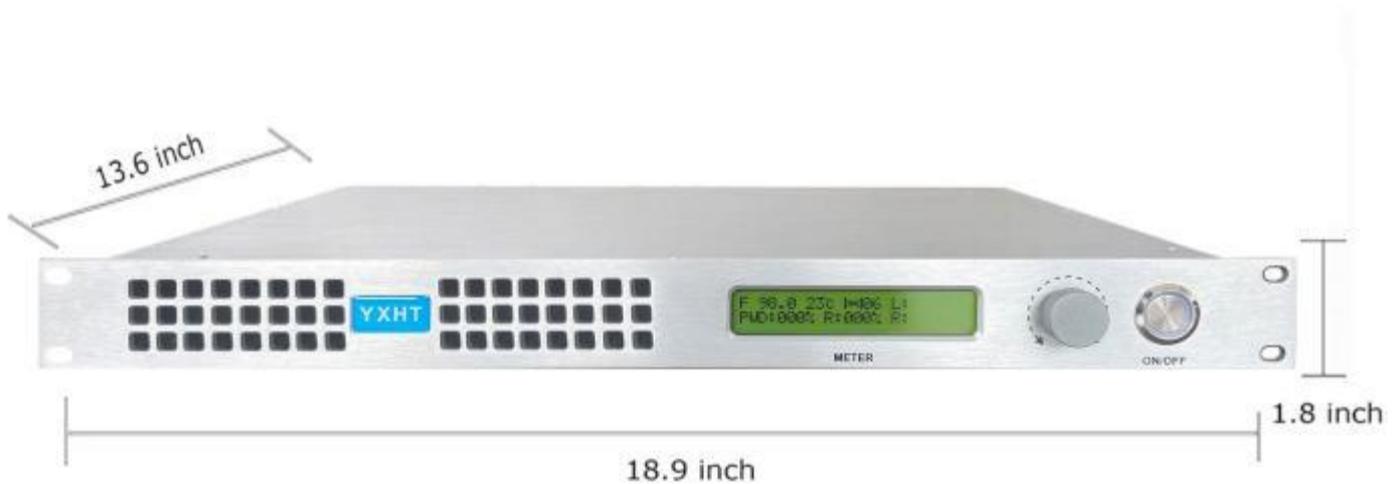


### Details Images



### 50W FM Broadcast Transmitter

- The transmitter implements digital FM modulator module as its core, combining with RF power amplifier. In the transmitter, DSP&DDS are used to execute all-digital processing, such as digital filtering, pre-emphasis, the generation of pilot frequency, stereo coding and FM modulating. A AGC circuit is used to keep the set power stable.
- High performance and very good reliability has been proved by the large usage of HTF-50W transmitters. Also it is low cost and small size.



AUTO MATCHING  
108MHz FW:250W RW:005W

1.The frequency can be adjusted by rotating knob left/right from 87.5MHz to 108MHz, the step is 100 KHz.

POWER SET SET:100%  
FWD:100% REF:000W

2.The RF power can be set by turning the knob left/right from 0~50/150/500/1000Watts. Step is 0.1W others step is 1W.

F108.0 38c P=108 L:|||||  
PWD:100% R:000W R:|||||||

3.The volume can be adjusted by rotating left/right to increase/decrease. The volume range is 0-14.

WARNING!  
High temperature!

4.Temperature/ SWR protection



**Warranty: 6 years for all transmitters in our factory.**

#### OUTSTANDING FEATURES:

- 1) **OVERHEAT PROTECTION:** The transmitter will switch to auto-protection with alarm message and a beep sound once the working temperature gets higher than normal range.
- 2) **OVER SWR PROTECTION:** SWR is the indication of antenna system connection with transmitter. Once the connection is bad and causing a high SWR Value, the transmitter will switch to automatic protection mode by showing alarm message on the screen with a beeping sound meanwhile.
- 3) **FAN ERROR ALARM** When the fan stops running, the alarm message will be displayed on the screen.
- 4) **ADJUSTABLE POWER OUTPUT** The RF out of this 50w FM transmitter is continuously adjustable from 0-50 watt at the stepping of 0.1watt, which means you can tune it to 1w, 1.1w, 1.2w...50w, with just one transmitter you ' ll get multiple modes of outputs and easy to tune as per your needs



### Technical Specifications :

1. Frequency Range:87.5MHz~108 MHz
2. Frequency Setting step:10KHz
3. Carrier Frequency precision:±200Hz
4. Residual Wave Radiation:≥65dBc
5. Audio Input Impedance:600Ω,Balance
6. Separation:60dB Pilot Signal Modulation:8%~10%
7. Audio Input Level:±10dBm,step 0.01dB
8. S/N:≥75dB(30H~15kHz,100%)
9. Audio Harmonic Distortion:<0.05%
10. Audio response:±0.05dB(30Hz~15KHz)
11. Output Load Impedance:50Ω
12. Output Power:50W
13. Pre-emphasis:0μS,50μS,75μS
14. Deviation:±75kHz
15. Pilot Frequency:19 kHz±1Hz
16. Sub-carrier Suppression: ≥65dB
- 17.RF Output Connector:7/16'(female)or7/8'
- 18.Size:345mm\*480mm\*45mm
- 19.Weight:7KG
- 20.Pilot Signal Modulation:8%~10%



We are original manufacturer specialized in professional FM & TV transmitters, Antennas, Digital audio equipments, etc. We are serving thousands of Radio & TV stations all over the world. Also we do ODM or OEM for companies all over the world. We are using advanced technology in all products. Our products are all high performance, high reliability and reasonable price.

## The Certificates



CE



ISO



FCC