

500W FM Transmitter Kit



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Product Description

1. Frequency Range:	87.0MHz~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. Sub-carrier Suppression:	≥65dB
8. Audio Input Level:	±10dBm,step 0.01dB
9. S/N:	≥75dB(30H~15kHz,100%)
10. Audio Harmonic Distortion:	<0.05%
11. Audio response:	±0.05dB(30Hz~15KHz)
12. Output Load Impedance:	50Ω
13. Output Power:	0~500W
14. Deviation:	±75kHz
15. Size:	460mm*480mm*88mm
16. Weight:	15KG

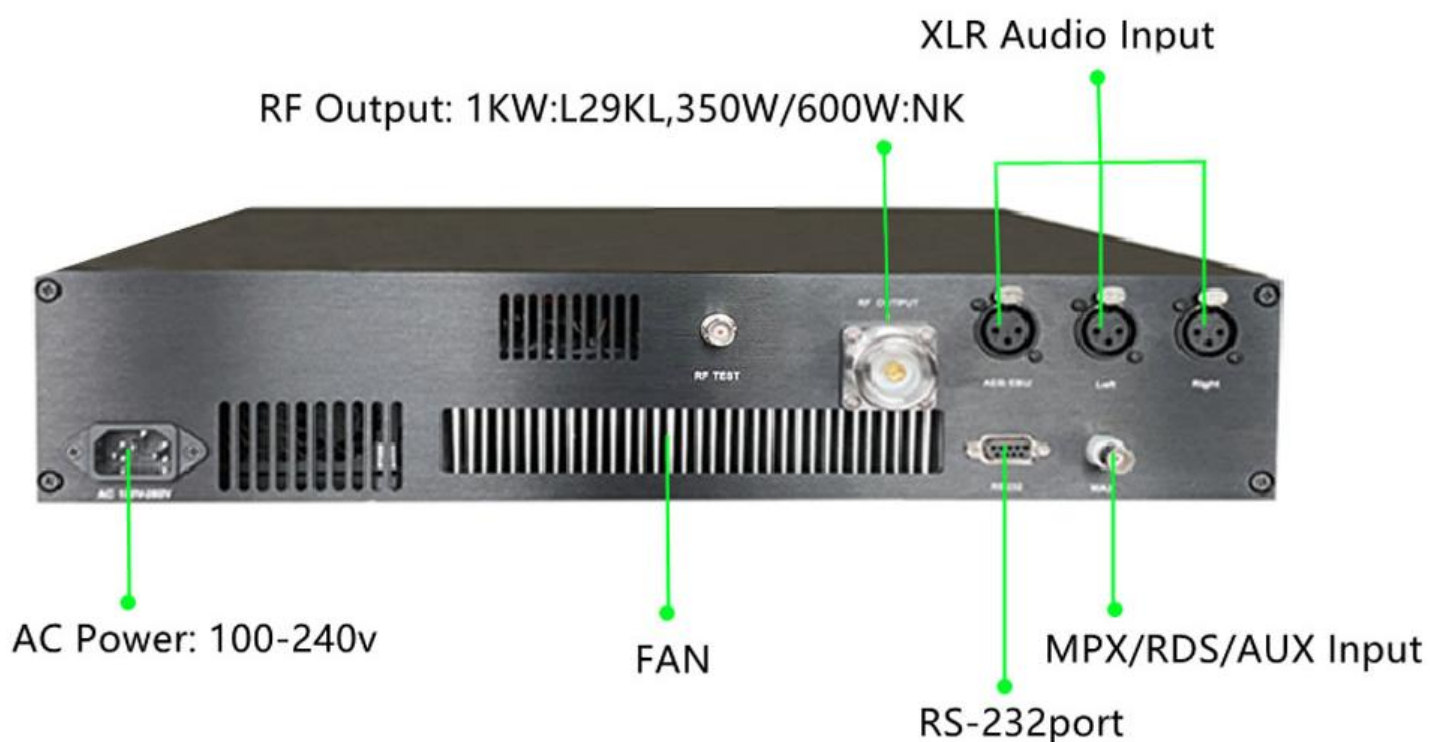
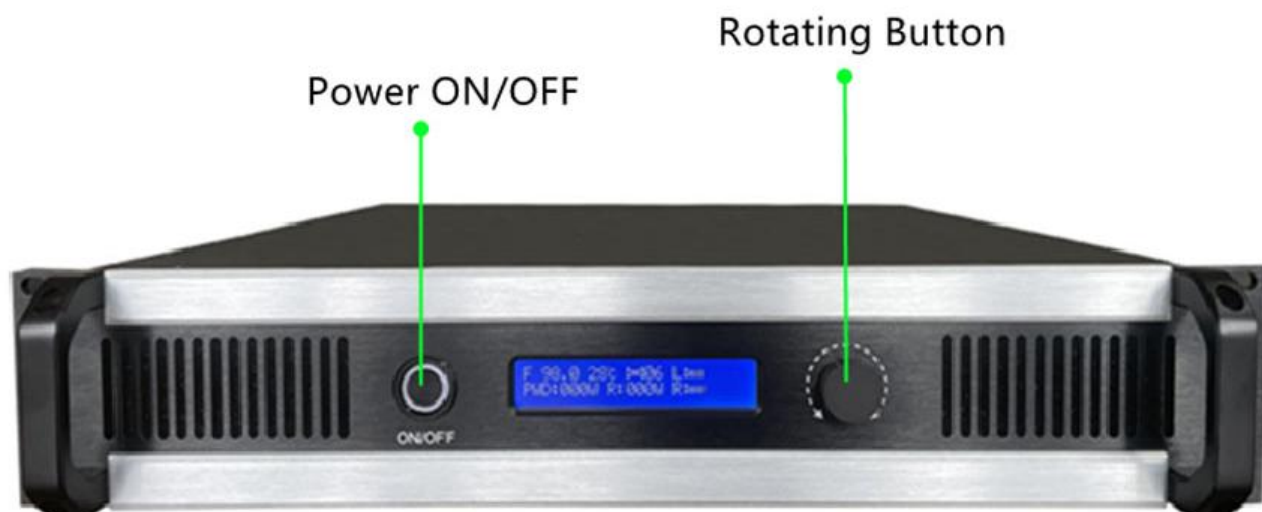
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Web: www.rs-radio.com





Overview

The DSP (Digital Sound Processing) technology makes the RS- FM500W FM transmitter an enjoyable sound broadcasting device for all music lovers, you'll no longer be bothered by the noises or distortions.

As quality assurance, RS RADIO Provides 5 YEAR warranty for this professional broadcast transmitter, you'll have no worries to use it for the radio station.



Frequently Applicable Uses:

- 1). Community Radio stations
- 2). LPFM radio stations
- 3). City radio stations
- 4). Christian Church radio stations

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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



Professional FM Transmitter



RF amplifier uses NXP LDMOS transistor BLF188XR, making it able to withstand severe load mismatch of more than 65: 1 VSWR at 5dB compression point.



Package Include



WHAT IS IN THE PACKAGE:

1X TRANSMITTER

1X POWER LINE

1X ANTENNA

1X AUDIO LINE

1X 30M CABLE

One Dipole Antenna

Electrical specification:

- * Frequency Range: 87.5Mhz-108Mhz
- * Impedance: 50ohm
- * Connector: NK
- * VSWR: <1.35:1 MAX
- * Polarization: Vertical
- * Dimensions: 1400*900*50mm
- * Weight: 4kg with hardware mounting
- * Gain: 2.0dB * Max handle power: 2KW



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One 30m feeder cable

* 1/2" 30meters feeder cable



Features

1.Primary Application:

high quality at a very attractive price.Ideal for use as transmitters in stand-alone applications.Adjustable power output from 10 to 100%.

2.Reliability/Continuity:

APC (Automatic Power Control) and Foldback protection ensure reliable operation under any operating conditions.

3. Audio Performance:

low distortion and intermodulation values and a high noise/signal ratio.

4.Operating Efficiency:

Incorporate a PFC (Power Factor Corrector) power supply, that provides the utmost efficiency for enhanced energy saving and environmental protection, which added to LD-MOSFET technology ensure high efficiency, better than 70% across the bandwidth.

5. Ease of Maintenance:

advanced module engineering ensures extreme of access and simple maintenance.

Includes an high performance air filter. The power supply is plug-in type, easily removable.

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6.Interface Control:

Total control thanks to microprocessor easily programmed from menu with all key parameters displayed on LCD.

7.Input/Output Interface:

Built-in high-performance stereo coder, L&R analogue audio inputs, Mono inputs, MPX composite signal and auxiliary inputs for SCA / RDS signals. TOSLINK, AES/ EBU digital audio inputs are available as an option.

8. Remote Control:

Built-in telemetry system via GSM modem or via WEB/SNMP (option).

9. Regulatory Compliance:

State-of-the-art technology in full compliance with EC, FCC and CCIR standards.

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

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When the fan stops running, the alarm message will be displayed on the screen

4) ADJUSTABLE POWER OUTPUT :

The RF out of this 500w FM transmitter is continuously adjustable from 0-500 watt at the stepping of 0.1watt, which means you can tune it to 50w...100w...500w with just one transmitter you'll get multiple modes of outputs and easy to tune as per your needs.

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 RS RADIO-500W transmitters. Also it is low cost and small size.

Company Introduction



ISO 9001:2008
QUALITY CERTIFICATE



Radio Transmitter
FCC Certificate



Radio Transmitter
CE&RTTE Certificate

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Payment and shipping

Payment



- Standard payment terms: pay 30% deposit in advance, 70% balance before shipment.
- Online trade assurance order, all is up to you.
- More payment terms could be provided (T/T, PAYPAL, western UNION)

Shipping

- It takes about 3-10 workdays to arrive your address by DHL, TNT, FedEx. And it takes about 25-35 workdays to arrive your address by sea.
- Professional goods shipping forwarder

