WEP9025T Wireless FM Transmitter

Description

The FM transmitter is designed for professional broadcasting and public address systems, delivering stable and high-quality signal transmission. It features advanced digital signal processing, a high-linearity LDMOS amplifier, and an intelligent AGC control system to ensure constant output power and reliable operation. With a modular design, multiple protection measures, and an intelligent digital control interface, it enables efficient operation and 24-hour continuous performance.

Features

- Professional-grade 1U brushed aluminum alloy panel with a deluxe LCD display.
- Equipped with a high-gain, high-linearity imported LDMOS power amplifier module.
- Incorporates advanced digital signal processing (DSP) technology.
- Features a large-loop AGC function to maintain constant output power, ensuring product stability and reliability.
- Features an ultra-low power consumption design, enhancing transmission power while minimizing nonlinear distortion.
- High-efficiency switching power supply with a wide input voltage range for various operating environments.
- Multiple lightning protection and comprehensive safeguard measures.
- Built-in self-protection and automatic fault diagnosis functions.
- Supports real-time monitoring and alarm functions for transmitter operating status.
- Forced air cooling design with intelligent fan control.
- Fully digital intelligent panel control for easy and convenient operation.
- Modular design for convenient installation and maintenance, with an elegant and refined appearance.
- Designed with full consideration of user environment and conditions, enabling 24-hour continuous operation and unattended management.

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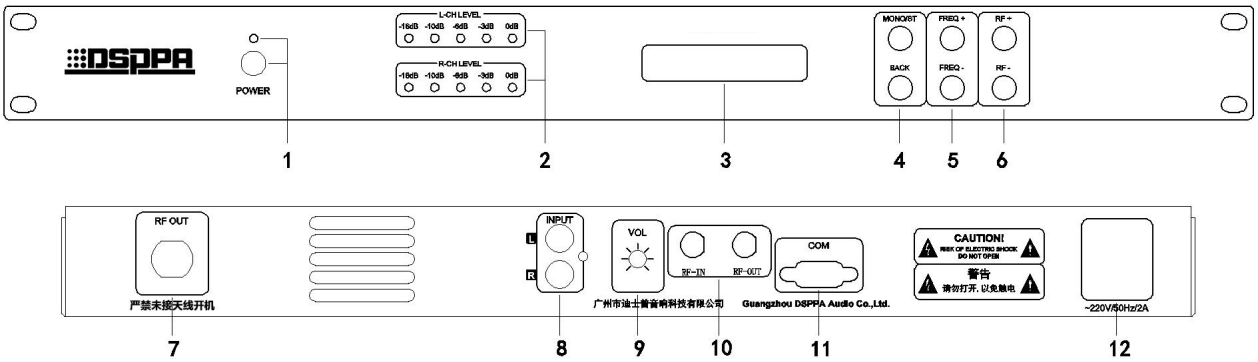
Specifications

Model		WEP9025T
Output Power		≥25W
Transmission Frequency Range		76~95MHz
Carrier Frequency Deviation		±1000Hz (Power>50W)
		±2000Hz (Power≤50W)
Power Deviation		±10%
Spurious AM Noise		<-50dB
Pilot Frequency Deviation		±1Hz
100% Modulation Frequency Deviation		±75KHz
Pre-emphasis		50μs
Left/Right Channel Separation	L→R	>40dB
	R→L	
Left/Right Channel Level Difference		<0.4dB

Front / Rear Panel

Do not power on the device without connecting the antenna.



1. Power Switch and Indicator
2. Input Signal Level Indicator
3. LCD Display
4. MONO/ST Switch for mono and stereo modes, BACK Button for audio monitoring start/stop
5. Frequency +/– Button
6. Power Level +/– Button
7. RF Output Port for connection to the transmitting antenna's audio signal input
8. Audio Signal Input Port
9. Input Signal Level Adjustment Port (or customized as an RF input port)
10. RF Input and RF Output Ports
11. Serial Communication Interface for connection to the control host
12. Power Input Socket (please connect the power according to the parameters indicated below.)