

Packing List:

No.	List	Quantity
1	WEP253B	1 piece
2	Certificate	1 copy
3	Warranty Card	1 copy
4	User Manual	1 copy
5	FM antenna	1 piece

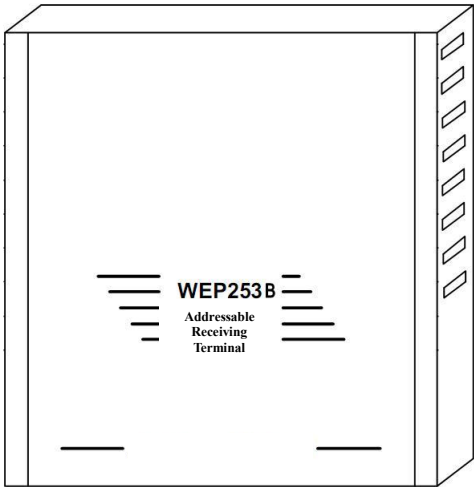
Specification:

Model		WEP253B
Functional Modules	Parameter Item	Technical Index
FM Receiving Section	Receiving Frequency	76-108MHz
	Frequency Response	40Hz-15KHz
	SNR	≥62dB
	Receiving Sensitivity	2-100dBuV
	Data Demodulation	57KHz, RDS Code
Line Output Section	Output Interface	2-way RCA
	Output Level	1Vrms
	Output Impedance	≤100Ω
Power and Communication Section	Rated Power	50W/8 Ω
	Frequency Response	40Hz-15kHz
	SNR	≥65dB
	Distortion	≤0.2%
	Communication mode	RS232/9600bps
Power	Standby Power	≤0.85W
	Full load power	≤40W
	Voltage & Frequency	AC220V/50Hz

PUBLIC ADDRESS SYSTEM

Addressable Receiving Terminal

WEP253B



User Manual

Before operating, please read this manual carefully.

Product Description

WEP253B is a addressable FM receiving terminal specially designed for wireless Public address system. It's a public address equipment with FM reception, audio decoding, signal amplification and audio output,support wireless and wired two transmission modes.

This device is based on DSP digital audio processing technology,output high fidelity audio signal. RDS subcarrier decoding;high reliability signal encryption technology;gas lightning protection tube with built-in high voltage and strong current,keep the equipment from lightning,ensure the stability and security of public address system.

This equipment is suitable for city and rural emergency broadcasting system;Campus, parks, squares, parks, factories and other places of public address system outdoor sound reinforcement, etc.. It is an ideal choice for outdoor audio reception and signal amplification.

Features:

- ◆ The all-weather outdoor waterproof design, compact and beautiful appearance;The all-weather outdoor waterproof design, compact and beautiful appearance;
- ◆ The wireless/wired addressable receiving, RDS subcarrier decoding, high reliability encryption, ensure safe broadcasting;
- ◆ Gas lightning protection tube with built-in high voltage and strong current, protection against thunder and lightning, high reliability;
- ◆ The DSP digital radio unit, high quality output;
- ◆ Support for superior host remote boot timing and digital volume control, solve the problem of lose efficacy of mechanical potentiometer by long working time;
- ◆ Our special control protocol, ultra high sensitivity to accept, even in the weak signal can be accurately adjusted the control signal;
- ◆ Customers can be customized for fixed frequency acceptance or automatic tracking transmitter frequency acceptance,very strong adaptability;
- ◆ Built in 25 Watt High fidelity amplifier circuit, protection function safety;
- ◆ With two line signal output interface to facilitate the expansion of high-power amplifier;
- ◆ Working status indicator light, easy to judge equipment failure
- ◆ Reserved communication port, convenient parameter setting and upgrade maintenance;
- ◆ Two way power supply mode of communication port, to support the external series equipment supply and external equipment to internal power supply;

Through PC Setting

Enter the system settings interface, select the "receive terminal settings" item on the system settings interface, and then set the parameters of the terminal. Set the interface as shown below:

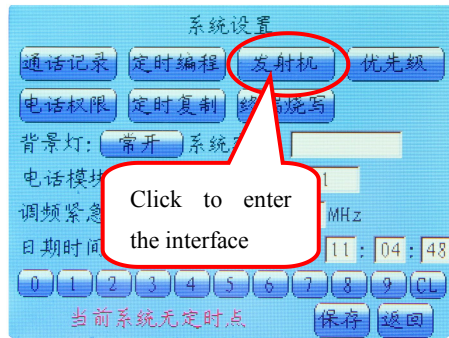


PC control software system settings interface

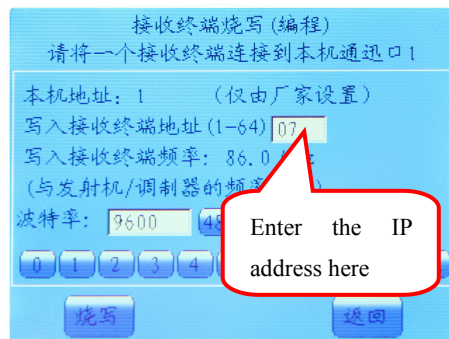
- ① Before setting up the operation, the power supply is switched off, then the communication port is connected, and then the power supply is connected to the terminal;
- ② PC control software in the system settings on the interface to select the serial model (for example, select the COM1 serial port), and press the "serial select" item after the switch button to open the serial port;
- ③ The selected "receive fixed frequency" and the host transmitting frequency input to the value in the box (frequency range 76.0MHz-108.0MHz);
- ④ If you do not select a fixed reception frequency, select the "scan tracking frequency band" and select the frequency band where the host is transmitted. The setting and the fixed receive frequency item select only one of the items as the receiving frequency (or frequency range);
- ⑤ Set the "host address" (control the host address of the terminal) and the terminal number (enter the number of the terminal);
- ⑥ The above settings are all done after the click interface below the "Settings" button to complete the parameter setting.

Tip: if the installation of the terminal does not exist or the serial port selection error, the system will be prompted to set the interface below, please pay attention to set up the operation.

On the "system settings" interface, touch the "terminal burning" button to the end of the burning operation interface, the interface as shown in the following figure:



Host system settings interface



Host "Terminal burning" interface

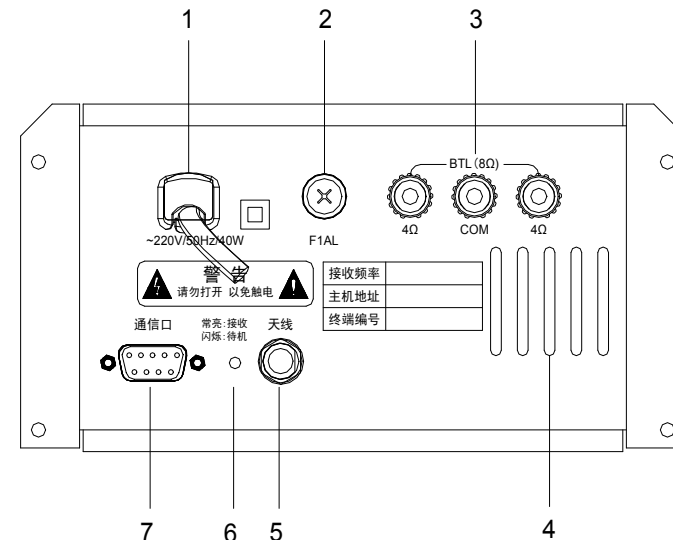
Select the address and baud rate parameters of the terminal at this interface, and then touch the "burning" button, receiving frequency set in the transmitter interface is burnt to the terminal. After the writing is completed and shows the success of the writing, the "return" button is pressed out of the interface.

Through the dedicated hand-held terminal address setup (OTE7000II) settings

This terminal has built up the newest wireless programming function of our company, through dedicated handset terminal address setup, can wireless (within 10 meters) modify the receiving parameters of the terminal. For specific operation, please see the Manual of the hand-held terminal address setup.

- ◆ Through the PC software, control the host or a dedicated handheld receiver parameters, while remote wireless or wired settings;
- ◆ Support for solar energy, wind energy, AC, line power supply and other power supply;
- ◆ No signal automatic standby and mute function, low power consumption, save energy, prolong the service life of the equipment.

Appearance Introduction



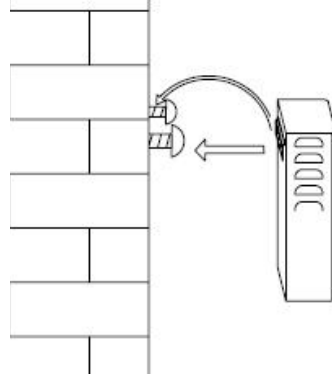
1. AC220V power input connection
2. AC220V power fuse
If the power fuse is blown, please replace the fuse with the same specification; if the fuse is continuous, the machine is in trouble. Please replace the fuse after troubleshooting.
3. 8 Ω /25W amplifier output interface
Connect 8 Ω stereo speaker.
4. Cooling ventilation window
In no case should the ventilation window be blocked.
5. Antenna interface
When the wireless receiver is connected with the antenna, the coaxial cable is connected when the cable is received
6. Working status indicator lamp of the terminal
Indicates that the terminal is receiving the signal, indicating that the terminal is in standby mode.

- Communication port
Connect addressable control host or PC to achieve remote parameter settings, etc.

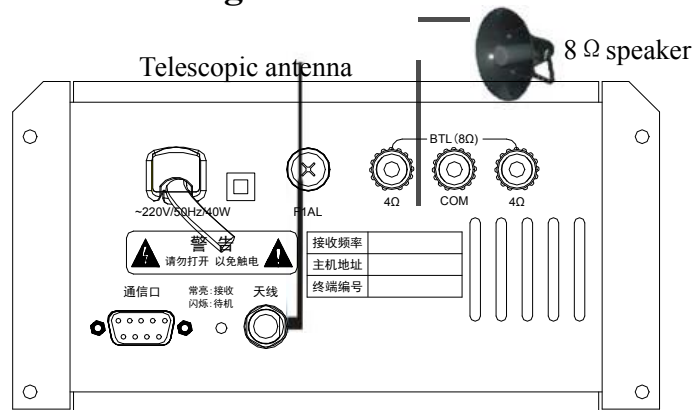
Connection Diagram

The terminal can be installed on the outside of the electric pole by a binding mode, and can also be mounted on the wall by screws (can also be installed indoors)

- When installed on the outdoor poles, the wire will be tied to the poles by the wire rope. When installed, the terminal of the terminal is installed under the face downwards, and must not be installed reversely.
- When installed on the wall, the wall of the ingot into the two screws (preferably the use of stainless steel screws), and then the hanging interface of the terminal is fixed on the screw.. The distance between the two screws is 140mm.



Connection Diagram



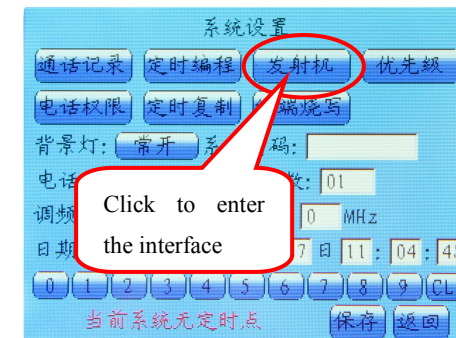
Setting Description

The terminal receives the signal from the host and output to the speaker through the local amplifier. The terminal needs to be set up before installation, such as fixed reception frequency, host address and terminal number. The operation of the

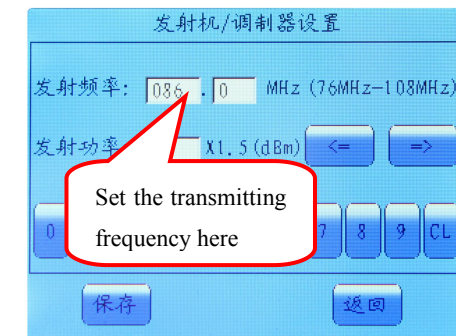
terminal is accomplished by connecting the addressable control host or the PC of the remote control software.

1. Addressable host settings

The communication port of the terminal is connected with the communication port 1 of the host computer. Enter the system settings interface on the host, and then touch the "transmitter" button to enter the settings interface, as shown below:



Host "System Settings" interface



Host "Transmit Frequency" setting interface

At the interface, the "transmitting frequency" is set, and the frequency is the fixed receiving frequency of the terminal. After the setting, touch the "Save" button to save the parameter and exit the "Transmitter" setting interface.