

无线监听系统

IN-EAR MONITOR SYSTEMS

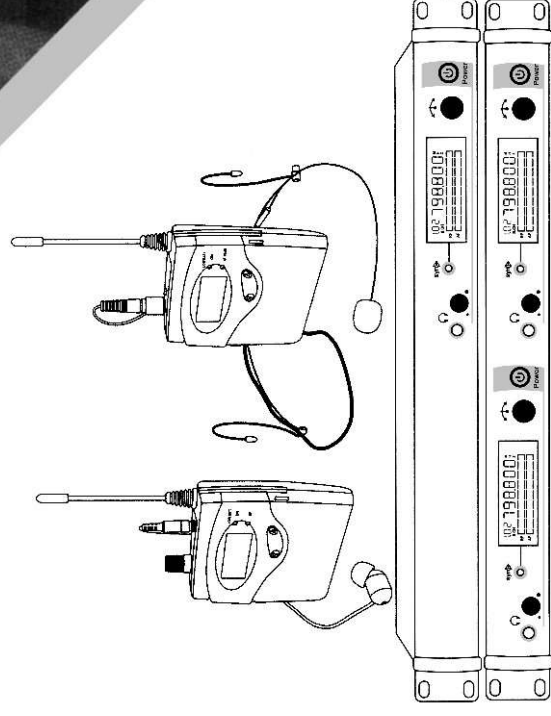
The specification won't do and
further notice for the improvement
Actual product will not be as pictured

由于产品在不断改良中，
参数可能更改恕不另行通知

图片可能与实物有差异，应以实物为准

使用说明书

USER INSTRUCTION



In uses the unit before, please read the instruction manual carefully
and keep the instruction manual properly in order to need in future.
在使用本产品之前，请仔细阅读说明书并妥善保管，以备将来需要了解需要。

Preface

Thank you for choosing our multi-channel microphone products. In order to guarantee you use this products well, please read this instruction booklet carefully before using, understood correct operating procedures, to obtain the best effect.

Security and Environment

1. Keep the facility under cool condition, and do not put this machine in the site which is high temperature, moist, dusty or close to liquid stuff.
2. Do not open the machine in case Fire, electric shock risk.
3. Only can use the power adapter which the machine offers and confirm whether the working power voltage is fit for adapter access specification. It may be damage if using adapter that supply by other distributor.
4. Turn off the machine and pull out the adapter when you leave for long time.

Product presentation

1. This wireless Ear-monitor System is used in stage performance and sound broadcast which can replace traditional complex sound monitoring equipment, achieve admirable listening effect.
2. With using the latest high frequency transmission and audio signal dynamic processing technology, also improve the signal-to-noise ratio of the dynamic range so that the system has the best anti-interference to show the perfect original sound again.

Main features

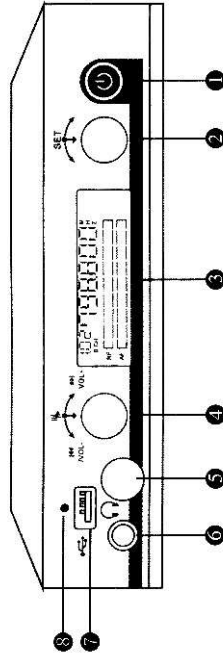
- UHF band Phase lock PLL
- Among the band of 32MHz, the preset 40 frequencies can be arbitrary switching
- Dynamic expansion circuit, greatly improve signal-to-noise ratio
- Elegant liquid crystal display panel
- With power and RF receiving indicator lamp
- With using two No. 5 batteries and efficient power circuit, long service time
- Metal housing, sturdy and durable
- The transmitter adopts balanced and unbalanced sharing socket
- The transmitter is with output monitoring phone jack

Main function

The system consists of a mini receiver and transmitter combination, and its main function and characteristics are described below:

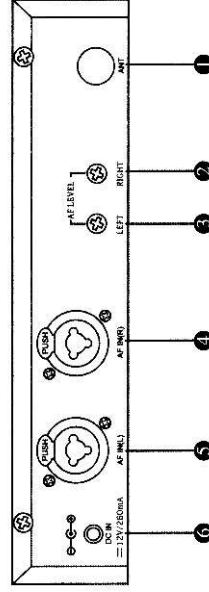
- Among the band of 32MHz, you can preset 40 frequencies which can be arbitrary switching.
- With using advanced circuit design, clear the receiving blind angle to make the system's receiving signal steady. The system is strong resistance to fall because of the housing is made by tough metal material. It is the best choice of stage performance monitor product.

The front panel instruction of single channel receiver



1. Power switch
2. Function setting key : choose the function of setting
3. LCD display : show the operation of each item and setting the content
4. USB function setting key : adjusted the function of USB play , volume control etc.
5. Earphone volume potentiometer : adjusted the volume of earphone
6. Earphone output socket : connecting the stereo earphone, monitoring the output signal
7. USB socket : connecting USB disk, MP3 audio frequency input
8. USB indicate light : to indicate the working condition of USB disk

The back side panel instruction of single channel receiver



1. Antenna
2. Right channel potentiometer : adjusted volume
3. Left channel potentiometer : adjusted volume
4. Right channel output : can use balanced and unbalanced
5. Left channel output : can use balanced and unbalanced
6. DC power : connecting 12V DC power input socket , the voltage of the outlet center is positive voltage

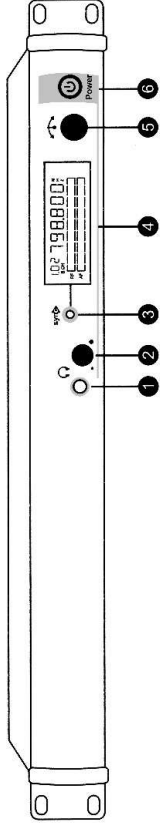
The instruction way to use single channel transmitter

1. Turn on / off : long press the button "POWER"
2. Group choosing : ① pressed " " , ② turned " " to left or right to choose the frequency range you need.
3. Channel choosing : ① pressed 2X " " , ② turned " " to left or right to choose the frequency range you need.



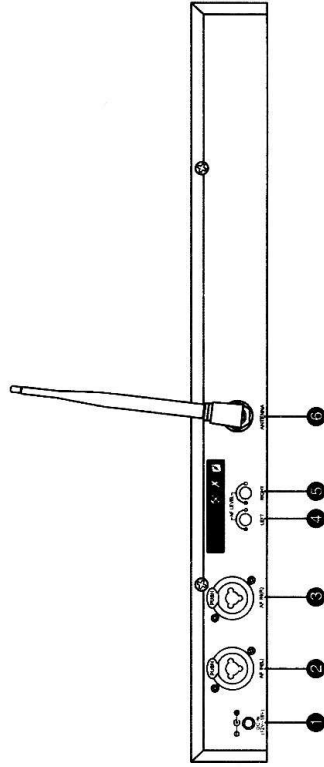
4. USB using method :
 - ① Start/pause USB : insert USB or MP3 , pressed " " lightly
 - ② Choose music : turned " " to left or right to choose last or next song
 - ③ Adjusted USB volume : turned " " to left or right to decrease or increase volume.

Single Channel Desktop Transmitter Front View



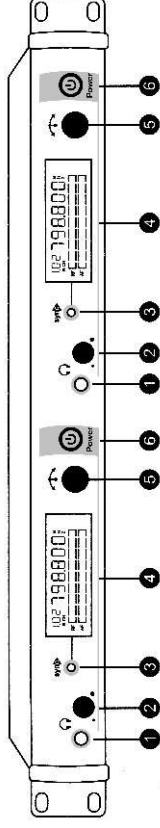
1. 6.35mm headphone output: connect stereo headphone, monitor output signal
2. Headphone volume potentiometer: adjust stereo headphone volume
3. SET selection: choose setting function
4. LED: display operation and content
5. DOWN selection: choose setting function
6. Power switch: turn on/turn off

Single Channel Desktop Transmitter Back View



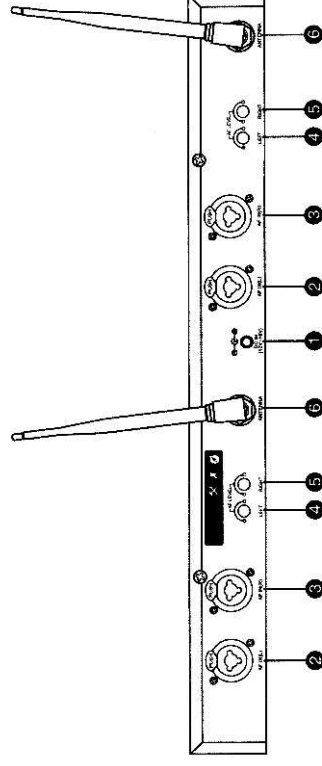
1. DC power socket: connect with 12V DC power input socket, the socket center connect positive voltage
2. The left channel: balanced and unbalanced sharing input
3. The right channel: balanced and unbalanced sharing input
4. Left volume adjustment potentiometer
5. Right volume control potentiometer
6. Antenna

Double Channel Desktop Transmitter Front View



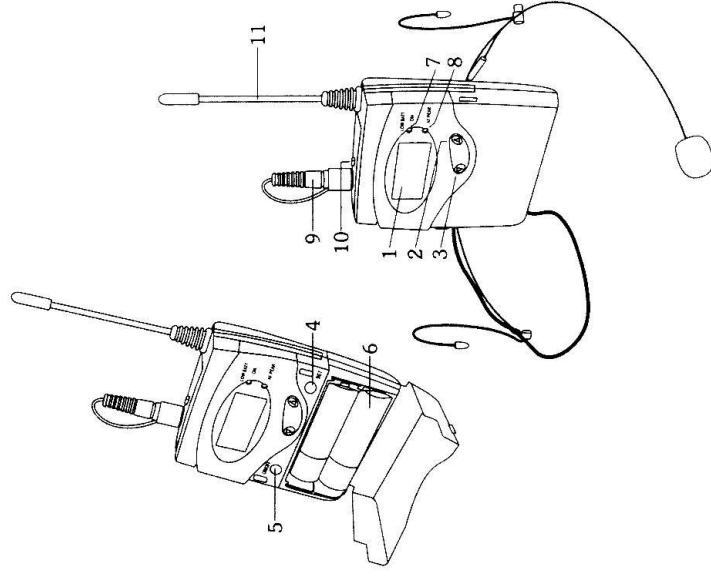
1. 6.35mm headphone output: connect stereo headphone, monitor output signal
2. Headphone volume potentiometer: adjust stereo headphone volume
3. SET selection: choose setting function
4. LED: display operation and content
5. DOWN selection: choose setting function
6. Power switch: turn on/turn off

Double Channel Desktop Transmitter Back View



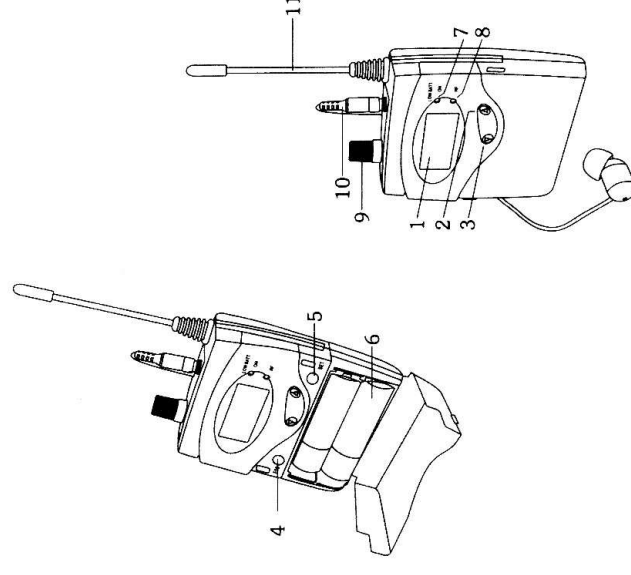
7. DC power socket: connect with 12V DC power input socket, the socket center connect positive voltage
8. The left channel: balanced and unbalanced sharing input
9. The right channel: balanced and unbalanced sharing input
10. Left volume adjustment potentiometer
11. Right volume control potentiometer
12. Antenna

Bodypack Transmitter

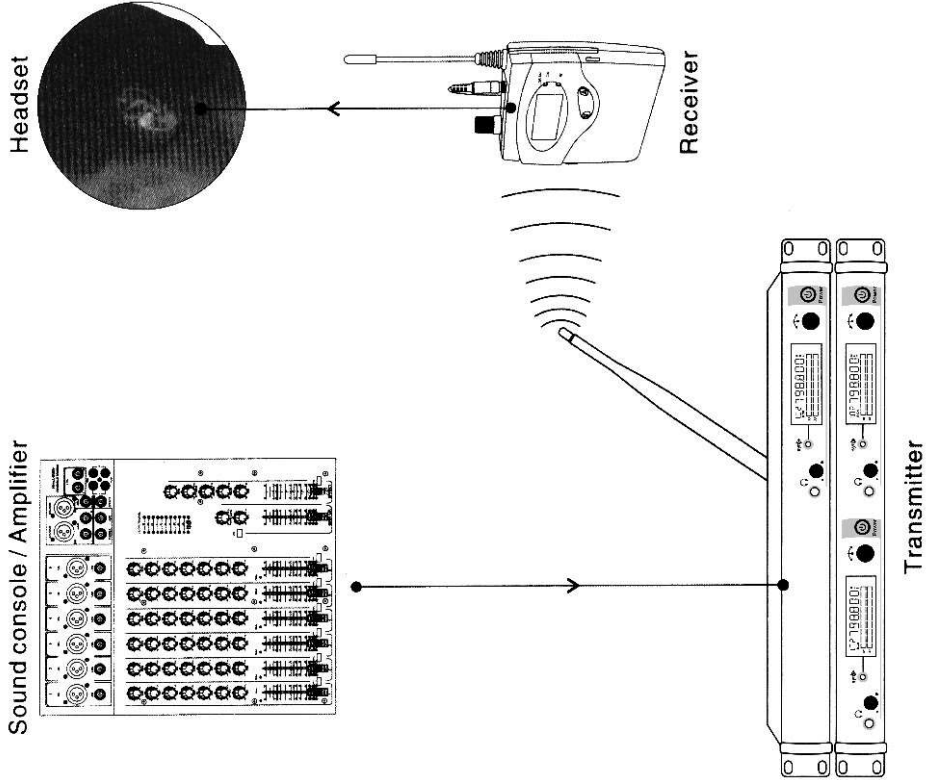


1. LED: Display working content
2. UP selection: choose setting function
3. DOWN selection: choose setting function
4. SET selection: choose setting function
5. Power switch: turn on/turn off
6. Battery warehouse: after inserting two number 5 batteries, cover it
7. low voltage indicator lamp:batteries work out
8. Volume peak indicator light
9. Mic input in
10. Mute switch
11. Antenna

Bodypack Receiver

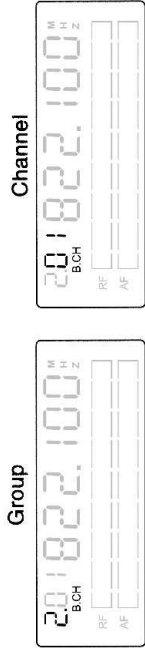


1. LED: Display working content
2. UP selection: choose setting function
3. DOWN selection: choose setting function
4. SET selection: choose setting function
5. Power switch: turn on/turn off
6. Battery warehouse: after inserting two number 5 batteries, cover it
7. low voltage indicator lamp:batteries work out
8. RF indicator light: indicate receiving signal information
9. Power switch + volume potentiometer: turn on or turn off and adjust volume
10. 3.5mm headphone output: connect headphone
11. Antenna: assemble fixed antenna



Desktop Transmitter Settings

1. Turn on/Turn off: long press POWER button
2. Group selection: ① SET or press ⬅ ② Reverse ➡ to the left or right
3. Channel selection: ① 2xSET or press 2x ⬅ ② Reverse ➡ to the left or right



Bodypack Transmitter Settings

1. Turn on/Turn off: long press ON/OFF
2. Group selection: ① SET ② ⬇/⬆
3. Channel selection: ① 2xSET ② ⬇/⬆



Bodypack Receiver Settings

1. Turn on/Turn off: Rotate volume potentiometer ⬅ ON ⬆ OFF
2. Group selection: ① SET ② ⬇/⬆ ③ ESC
3. Channel selection: ① 2xSET ② ⬇/⬆ ③ ESC



Technical Data

Transmitter	
Case specification:	standard 1U
Case material:	metal panel
Oscillation mode:	PLL synthesized
Frequency stability:	± 0.005%
Frequency range:	UHF520-580MHz
Frequency interval:	32MHz
Preset Channel:	40 channels separately set 4groups
Operate mode:	manual adjust
Max Deviation:	± 48KHz
Frequency response:	50Hz~15KHz ± 3dB
Transmit output power:	100mW(50Ω)
Harmonic radiation:	<4NW
AF input:	XLR, φ 6.35mmjack
Earphone output:	φ 6.35mm stereophonic socket
Earphone load impedance:	≥ 16Ω
Current consumption:	DC 12V/250mA
Antenna socket:	TNC socket (50Ω)

Receiver	
Oscillation mode:	PLL synthesized
Frequency stability:	± 0.005%
Frequency range:	UHF520-580MHz
Frequency interval:	32MHz
Preset Channel:	40channels separately set 4 groups
Operate mode:	manual adjust
Receiving mode:	single tuning
Sensitivity:	deviation 25 KHz, with connecting 7dBuV, S/N>78dB
Max Deviation:	± 48KHz
Comprehensive S/N ratio:	>94 db (1KHz-A)
Comprehensive T.H.D:	<3% @1KHz
Frequency response:	80Hz~15KHz ± 3dB
Output power (32Ω):	2X35mw @ 1KHZ
Earphone load impedance:	≥ 16Ω
Output socket:	φ 3.5mm stereo earphone socket
Volume output adjusts:	adjust when using
Power box:	batteries AAX2
Current drain:	3V/120mA(Under the mediant degrees of the volume control)
Antenna:	fixed 1 / 2 λ

前言

感谢您对本公司的支持和信赖而购买本公司的产品。为了使本产品发挥最大的效能，请在使用前仔细阅读使用说明书，以了解正确的操作方法，获得最佳的效果。

安全与环境

1. 机器设备应保持干燥，不要把设备放在高温、潮湿、灰尘多的地点及碰到液体物质，以免造成故障。
2. 为避免火灾，电击危险，请勿打开机箱。
3. 只能使用本机提供的电源适配器，且确认接入电源电压是否与适配器要求一致，若使用其它供应商提供的电源适配器，可能会损坏本机。
4. 若非短时间离开正在工作的本机，请关掉本机，将电源适配器拔下，决不可由机器开着。

产品介绍

1、本产品是应用在舞台演出与音响广播的无线耳机监听系统，用以取代传统复杂的音响监听设备，达到极佳的监听效果。

2、采用最新高频传输与声频讯号动态处理技术，具有最佳的抗干扰与稳定性，提升了信噪比及动态范围，展现原音完美重现的最佳音质。

产品特点

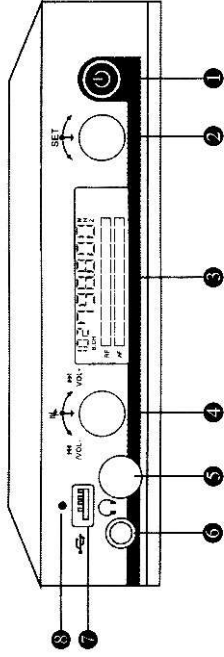
- 采用UHF频段PLL相位锁定。
- 在32MHz频带内，可以操作切换预设的40个频率。
- 采用动态扩展电路，大大提高信噪比。
- 采用精美液晶显示面板。
- 具有电源与RF接收指示灯。
- 采用两颗5号电池及高效率电源电路，连续使用时间最长。
- 金属外壳，坚固耐用的专业品质。
- 发射器采用平衡与不平衡式共用输入插座。
- 发射器具有输出监听耳机插座。

主要功能

本系统由迷你接收器及发射器组合而成，其主要功能及特点分别叙述如下：

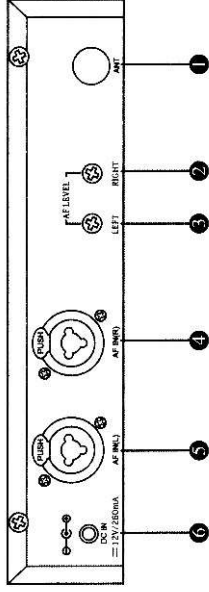
- 在32MHz频带中预设40个频率可以任意切换。
- 采用先进电路设计，消除接收死角，使接收讯号稳定不断讯，机壳采用强韧的金属材质，具有坚固耐摔的专业品质，是舞台演出监听产品的最佳选择。

一拖一台式发射器前面板说明



1. 电源开关：开启或关闭电源供应。
2. 带按功能设置键：选择设定功能。
3. 液晶显示屏：显示各项操作及设定内容。
4. USB功能设置键：调节USB播放，大小音量等功能。
5. 耳机音量电位器：调整耳机音量大小。
6. 6.3耳机输出座：连接立体声耳机，监听输出讯号。
7. USB插座：连接U盘，MP3音频输入。
8. USB指示灯：U盘工作状态指示。

一拖一台式发射器后面板说明

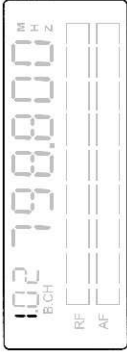


1. 天线。
2. 右声道电位器：调节音量大小。
3. 左声道电位器：调节音量大小。
4. 右声道输入：平衡式与不平衡式共用。
5. 左声道输入：平衡式与不平衡式共用。
6. DC电源：连接12VDC电源输入插座，插座中心电压为正电压。

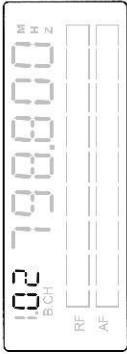
一拖一台式发射器使用设置

1. 开机/关机：长按POWER。
2. 群组选择：①按下“”，②扭转“”，②扭转“

群组



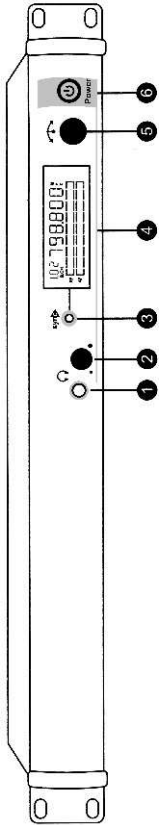
频道



4. USB使用：

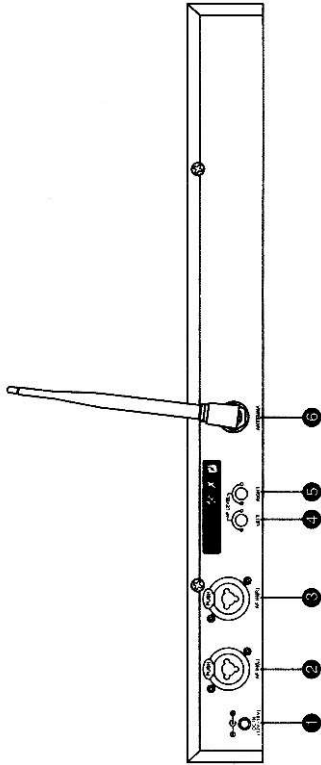
- ① 启动/暂停USB：插入U盘或MP3，轻按“

一拖一台式发射器前面板说明



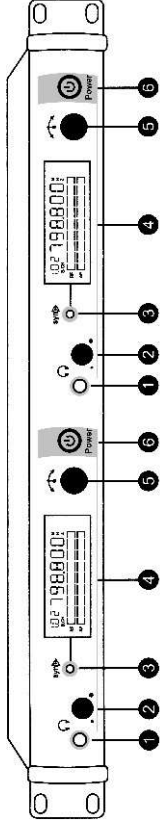
1. 6.35耳机输出：连接立体声耳机，监听输出讯号
2. 耳机音量电位器：调整立体声耳机音量大小
3. 功能设置按键：选择设定功能
4. 液晶显示屏：显示各项操作及设定内容
5. 带按功能设置按键：选择设定功能
6. 电源开关：开启或关闭电源供应

一拖一台式发射器后面板说明



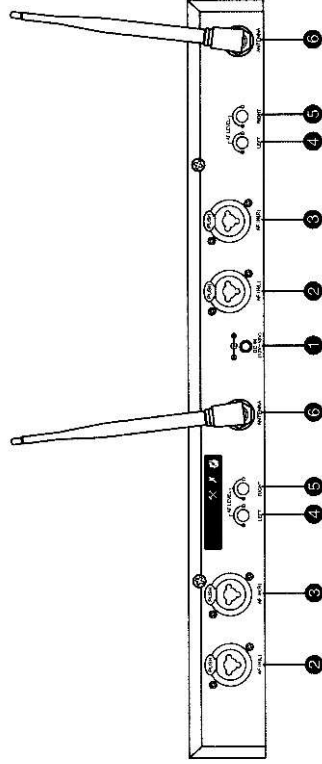
1. DC电源：连接12VDC电源输入插座，插座中心电压为正电压
2. 左声道输入：平衡式与不平衡式共用
3. 右声道输入：平衡式与不平衡式共用
4. 左音量电位器：调节音量大小。
5. 右音量电位器：调节音量大小。
6. 天线

一拖二台式发射器前面板说明



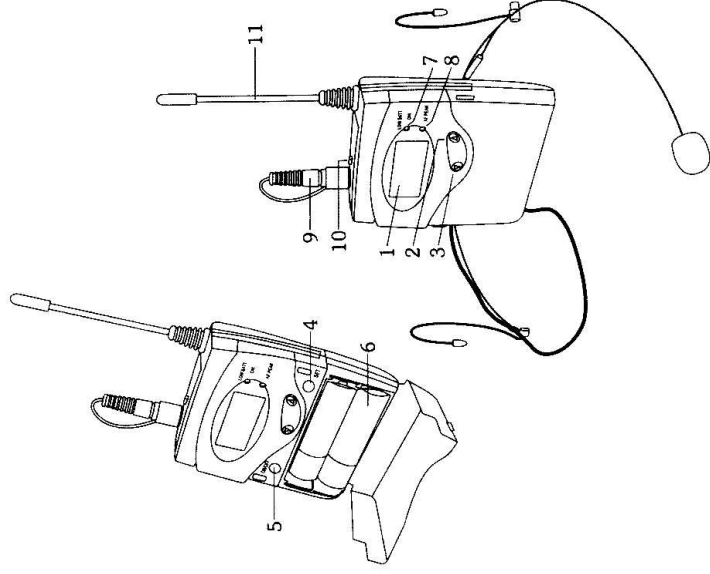
1. 6.35耳机输出：连接立体声耳机，监听输出讯号
2. 耳机音量电位器：调整立体声耳机音量大小
3. 功能设置按键：选择设定功能
4. 液晶显示屏：显示各项操作及设定内容
5. 带功能设置按键：选择设定功能
6. 电源开关：开启或关闭电源供应

一拖二台式发射器后面板说明

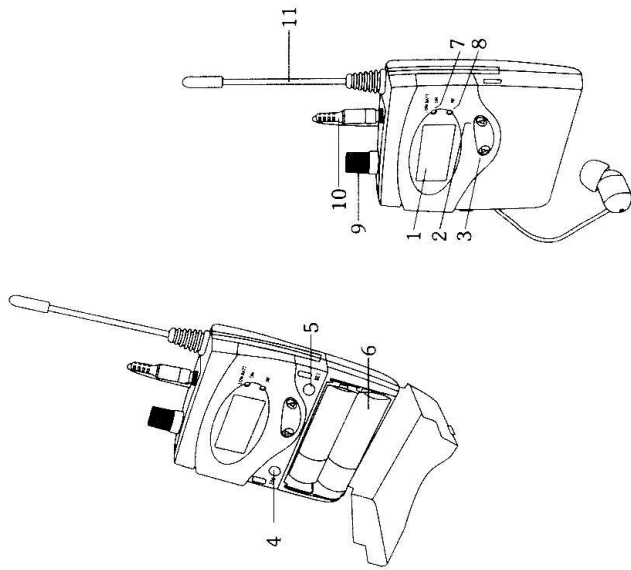


1. DC电源：连接12VDC电源输入插座，插座中心电压为正电压
2. 左声道输入：平衡式与不平衡式共用
3. 右声道输入：平衡式与不平衡式共用
4. 左音量电位器：调节音量大小。
5. 右音量电位器：调节音量大小。
6. 天线

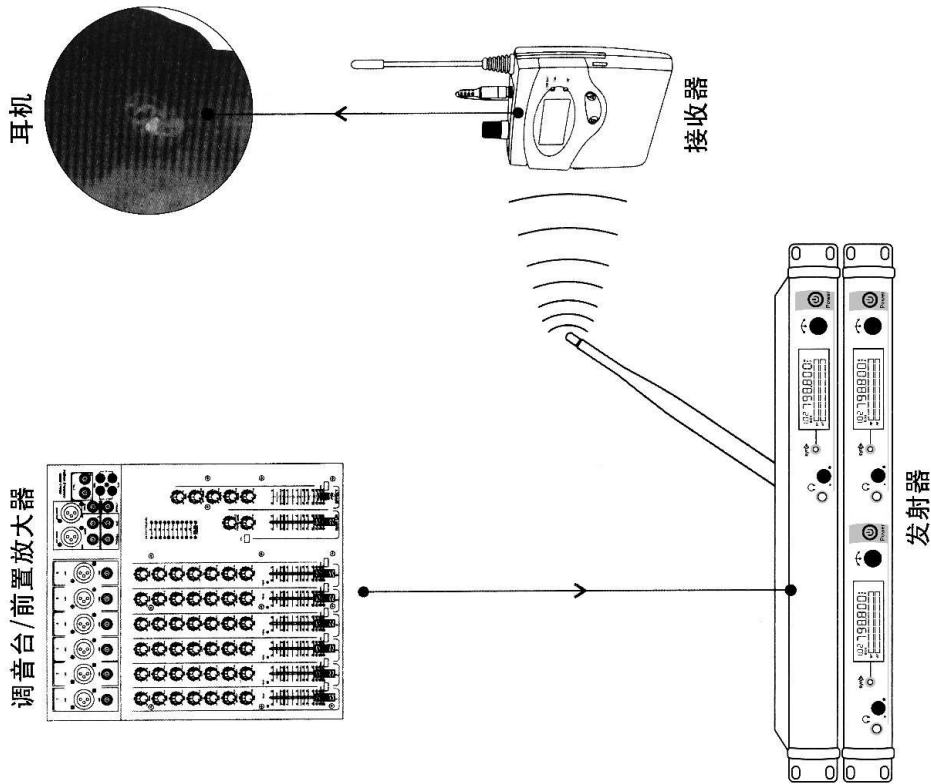
腰包机发射器功能说明



1. 液晶显示屏：显示工作内容
2. 向上选择按键：选择设定功能
3. 向下选择按键：选择设定功能
4. 功能设置按键：选择设定功能
5. 电源开关：开启或关闭电源
6. 电池仓：加装2节5号电池后，盖住电池
7. 低压指示灯：电池耗尽时指示
8. 音量峰值指示灯
9. MIC输入插嘴
10. 静音开关
11. 天线：装配固定发射天线



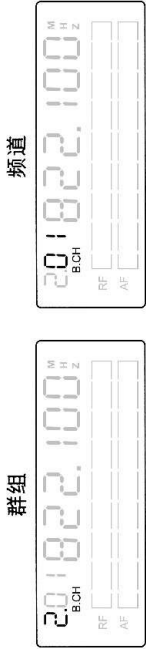
1. 液晶显示屏：显示工作内容
2. 向上选择按键：选择设定功能
3. 向下选择按键：选择设定功能
4. 退出按键：选择设定功能
5. 功能设置按键：选择设定功能
6. 电池仓：加装2节5号电池后，盖住电池
7. 低压指示灯：电池耗尽时指示
8. RF指示灯：指示讯号接收信息
9. 电源开关+音量电位器：开启或关闭电源及调整音量大小
10. 3.5mm耳机输出：连接耳机
11. 天线：装配固定接收天线



系统设置

台式发射器

- 1. 开机/关机：长按POWER
- 2. 群组选择：①SET或按下⬇ ②扭转⬆向左或向右
- 3. 频道选择：①2xSET或按下2x⬆ ②扭转⬆向左或向右



腰包式发射器

- 1. 开机/关机：长按ON/OFF
- 2. 群组选择：①SET ②⬆/⬆
- 3. 频道选择：①2xSET ②⬆/⬆



腰包式接收器

- 1. 开机/关机：旋转音量电位器
- 2. 群组选择：①SET ②⬆/⬆ ③ESC
- 3. 频道选择：①2xSET ②⬆/⬆ ③ESC



技术指标

发射器	
机箱规格	标准1U
机箱材质	金属面板和机箱
振荡模式	PLL相位锁定频率合成
射频稳定度	±0.005%
频率宽度	UHF520-580MHz
频率间隔	32MHz
预设频道	预设40组频道分别设定4个群.
操作方式	手动调整
最大偏移度	±48KHz
综合频率响应	50Hz~15KHz±3dB
发射输出功率	100mW(50Ω)
谐波幅射	<4nW
音频输入	XLR及φ6.35mm复合式插座
耳机输出	φ6.35mm立体声插座,音量可调整
耳机负荷阻抗	≥16Ω
电流消耗	DC 12V/250mA
天线输出座	TNC插座(50Ω)

接收器	
振荡模式	PLL相位锁定频率合成
射频稳定度	±0.005%
频率宽度	UHF520-580MHz
频率间隔	32MHz
预设频道	预设40组频道分别设定4个群,同群之频道互不干扰
操作方式	手动调整
接收方式	单调谐
灵敏度	在偏移度等于25KHz,输入7dBuV时,S/N>78dB
最大偏移度	±48KHz
综合S/N比	>94dB(1KHz-A)
综合T.H.D	<3%@1KHz
综合频率响应	80Hz~15KHz±3dB
输出功率(32Ω)	2×35mW@1KHz
耳机负荷阻抗	≥16Ω
输出插座	φ3.5mm立体声耳机插座
音量输出调整	使用前面调整
电源	5号(AA)电池两只
电流消耗	3V/120mA(在中度音量控制下)
天线	固定式1/2λ

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Warning: changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

The devices has been evaluated to meet general RF exposure requirement, the device can be used in portable exposure condition without restriction

Ant.	Atnenna Brand	Antenna Model Name	Antenna Type	Connector	Gain (dBi)	EIRP(dBm)	NOTE
1	N/A	N/A	External Antenna	N/A	-2.09	≤ 2	Antenna
1	N/A	N/A	External Antenna	N/A	-2.09	≤ 2	Antenna