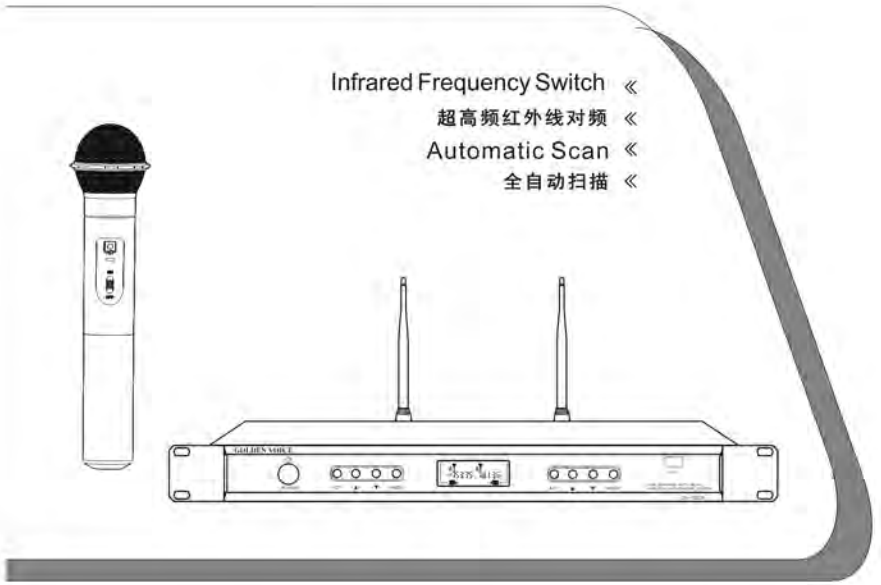
GOLDEN VOICE GV-8228 UHF

Wireless Microphone and Receiver Owner's Manual

使用说明书



Please Read This Manual Carefully Before Operating

使用之前请仔细阅读本说明书

H:Trouble Shooting

Malfunction	Reason & Disposal
No LED lights when you turn on the power	Check if the cable is plugged correctly and the power on, check also the fuse;
LED lighting but no voice output	Check if the volume is turned on to the minimum or the plug is inserted correctly;
Receiving range getting closing and signal getting instability;	Check if the antenna has moved out, or the receiver is in a wrong position (on the ground or at the corner), or near a magnetic field;
Sound become different	Check if the battery has run out, or there's the same frequency round, or there're 2 sets of same products working at the same time and same place (pleae keep at least 100 meters).

*If malfunction occurs , please contact our dealer or our company as soon as possible , DO NOT open to fix by yourselves , we will serve for you with all sincerity.

I:Technical Specification

1) FUNCTIONS

Frequency Range:	UHF 800MHz
Frequency Stability:	≤±10ppm
Operating Range:	>100dB
Distortion:	≤0.3%
Frequency Response:	40Hz-20kHz
Audio Output:	Independence 0-150mV Mixed 0-150mV

2) RECEIVER

Power Supply:	AC230V～50Hz (Please follow the stated marks on the receiver or adaptor)
Operating voltage:	DC14V ⎓ 300mA
Power Consumption:	10W
S/N Ratio:	>98dB
Sigal-to-noise Ratio:	>80dB
Channel Rejection:	>80dB
Sensitivity:	≤5dBuV (S/N≥20dB)

3) TRANSMITTER:

RF Power Output:	Max 30mW
Modulation:	FM
Max Modulation:	±25kHz
Higher Harmonic:	40dB lower than the Datum wave
Battery:	3V(2XAA1.5V)

Remarks:Because the product is continuously improving, specification may change.Please forgive us not to inform you.

感谢阁下对本公司的支持和信赖。使用本无线麦克风将带给您无拘无束的快感。为使本机发挥最大的效能，请先仔细阅读本说明书。

一、使用特别注意事项

★如遇当地其它频率干扰，选用另一信道，即可避免。
★要对接收器重新设置或更改工作频率必须将放大器音量关小,避免对扩音设备造成损坏。
★本机为电子音量设计。

二、本机注意事项

1、主机使用时应避免放置死角以保持信号接收状况良好。
2、使用手持麦克风时请勿抛、摔、扔、丢，以免造成严重损坏。
3、机体不防水，设备上不应遭受水滴或水溅，不应放置诸如花瓶一类的装满液体的物品。
4、尽量远离电磁场，高压输电网和大件金属物。
5、请勿自行拆卸，内有可能伤及您身体的高压。
6、更换电池时，务必首先将电源开关拔至OFF(关)位置，废弃电池不要乱丢，请放进指定回收箱。
7、如果麦克风长时间不使用，请取出电池，以防电池漏液损坏机件。
8、如果接收机长时间不使用，请拔掉电源。
9、为了充分通风，设备四周的间隙不得少于50厘米。
10、设备上的通风孔不应覆盖诸如报纸、桌布和窗帘等物品而妨碍通风。
11、设备上不应放置暴露的火焰源，如点燃的蜡烛。
12、如本机摔落或有异物进入机内，请勿继续使用，应立即与当地经销商或公认的服务中心联系。
13、本机未含有可改装之部分，请勿自行拆开改装，否则您将失去保修的权利。
14、本产品能在热带和温带条件下使用。

清洁本机

在维修或清洁本机前，务必请首先断开电源，本机可用软布擦拭清洁，如要擦去顽固污迹，可用沾有中性洗涤液的布擦拭，然后用干布擦干，请勿在机身上使用挥发性汽油、稀释液及其他任何化学药品，否则会损伤表面加工层。

三、性能简介

传统的无线麦克风特点，因频率低等多种原因致使容易受到干扰，特别是来自CD/VCD/LD等数码设备散发出的大量谐波；静噪电路都是分析射频信号的强度，所以不能把噪音和需要的信号区别开来；在嘈杂的射频环境下使用或该发射器的信号微弱或关闭时，传统的静噪电路可能会忽然打开，致使接收机发出强烈的爆破噪音。为解决这些问题，我们设计了这款UHF频段的专业级无线麦克风。它除采用了常用的提高频率、多级窄带高频及中频选频滤波外，更加首创了一种噪声数码抑制电路。

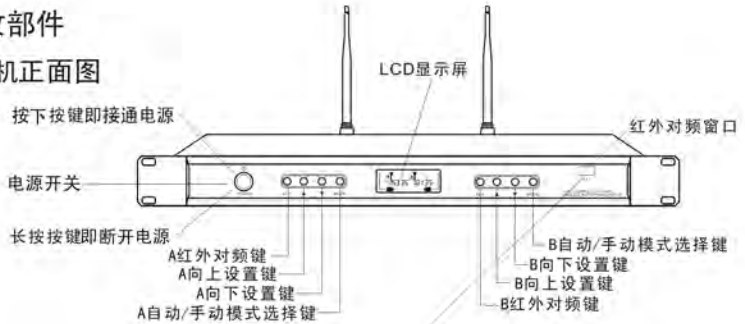
四、UHF红外线对频全自动扫描机型的主要特性

- ▲ 自动频道追锁电路,自动搜索空闲频道
- ▲ 高精度PLL锁相电路锁定频率,使用UHF740-798MHz频段
- ▲ 采用多级窄带高频及中频选频滤波电路,充分消除干扰信号
- ▲ 内置升压稳压电路，不必担心电压下降而影响使用
- ▲ 完善的电池状态指示电路,提示充电及电池容量
- ▲ 特设开关杂音冲击消除电路,完全消除开关冲击声
- ▲ 专业压缩—扩展降噪电路,使输出噪音大大减少,动态范围加大
- ▲ 设有回输啸叫压低减弱功能,能有效减少回输啸叫
- ▲ 多重噪音监测电路,使之具有极强的抗干扰特征
- ▲ 频率响应根据语音特征专门设计,能在全音域范围内充分发挥
- ▲ 音码锁定,杂讯锁定,双重静音控制功能,解决一般无线麦克风不易克服的杂音干扰问题
- ▲ 每套机有198个信道供选用,专门为卡拉OK包房、学校等相邻场地同时使用而设计,并确保无相互干扰
- ▲ 空阔最大使用距离200米，空阔理想使用距离80米(本机设置有通信距离可调选择)

五、部件名称

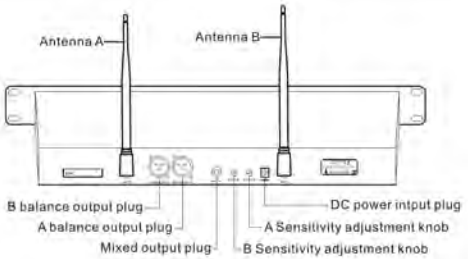
A、接收部件

接收机正面图



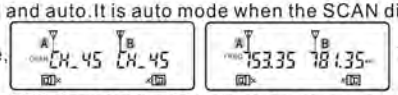
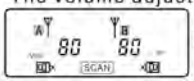
B、发射器部件

Back



Attention: Pictures maybe different from the actual products, please take the product as standard.

F:User Guide

1) "POWER" key: press the "POWER" quickly for "power on"; press the "POWER" continually for 0. 8 sec. to power off
2) MODE:alternate between manual and auto.It is auto mode when the SCAN displays, otherwise manual mode. Under manual mode,  The frequency and channel can be set manual by UP-SETTING or DOWN-SETTING.Specific operation: after selected a frequency, then turn on transmitter, and transmitter infrared port should aim at the receiver infrared port.,then press UP or DOWN key, the system will research the non-disturb frequency automatically. Specific operation: change it into auto mode and confirm that it display "SCAN"  ,press UP or DOWN key for selecting microphone A or B, then turn on stransmitter, and transimitter infrared port should aim at the receiver infrared port, then press UP or DOWN key one again, now the system will research the frequency upwards or downwards till the "SCAN" not flash.if "ACT" flash,the system will signaling automaticlly,the transmitter will receive the signal from receiver and lock it,at this moment,the system will stay at the best frequency.(Note:the distance between receiver and transmitter should be within 50cm)
3) "ACT": Auto-channel-targeting. press the key, "ACT" flashes, the system will research and communicate with transmitter by infrared. The transmitter will target the channel automatically andstop researching (Noise cancellation) until all the transmitter get simultaneous with receiver, then it will exit, if the communication is OK. The receiver will exit if it can not reaearch any transmitter after 12 circulars. ACT can be stopped by any key. During the research, the transmitter infrared port should aim at the receiver infrared port, and the transmitter must be "ON"
4) "UP▲" "DOWN▼": press the key, the channel will be adjusted upwards, or downwards, press the key for 0. 5Sec. , the system will auto-adjusted upwards or downwards circularly
5) the frequency will memorized automatically when you turn the receiver off
6) Adjustment for sensitivity: clockwise movement for min receive distance while counter-clockwise for max receive distance.
7) The volume adjust method: press "MODE" till the Interface turns to be up and down  key on the left means Volumn up and down for microphone A,up and down key on the right means Volumn up and down for microphone B.

Gentle Reminder: Keep the receiver more than 1 meter from the ground and away from the wall; install all 4 pieces antennas to achieve perfect performance.

G:UHF wireless microphone

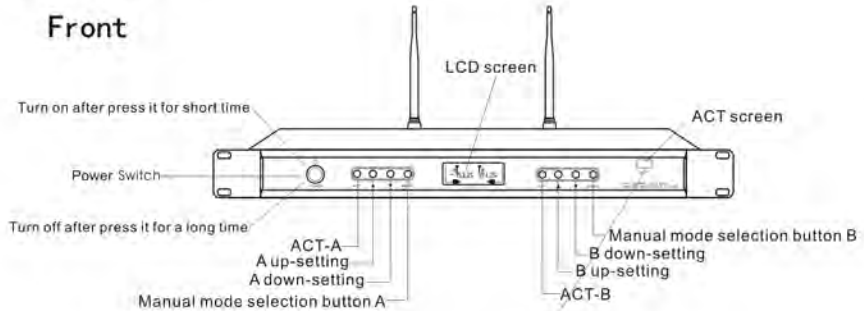
1) Open battery cap, insert 2 X AA 1.5V or rechargeable batteries inside battery compartment. Please make sure if the battery polarity is in correct position.
2) Turn microphone to ON position, if there is no display on LCD, please check the battery polarity or voltage.
3) Change the switch to MUTE, receiver will cut audio output and restrain noise.

D:Unique design

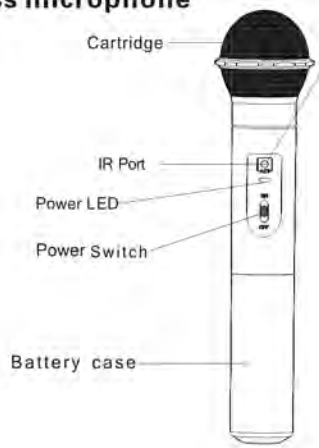
▲ ACT circuit, search for the non-disturb channel automatically.
▲ PLL circuitry,UHF740-798MHz, large frequency range to switch and avoid interference
▲ Sensitive receiving system and true diversity
▲ Adopt filtering circuitry to avoid distorted signal
▲ Within boost regulator design
▲ Perfect power indicator for charging and capacity
▲ Adopt noise eliminating circuitry
▲ Expand effective range
▲ Restrain any noise or scream
▲ Multi-Level noise supervisory circuitry with anti-interference
▲ Frequency is designed according to the sound characteristics
▲ Pronunciation code locked, useless signal locked, Double Mute Control and resolve disturb
▲ 198 frequencies available. Recommended for Pub, Lounge, Family Karaoke, KTV, School, Conference and etc.
▲ 200 meters in the best condition,80 meters in normal condition(this receiver is with receiving distance adjustment for selection)

E:General Product Description

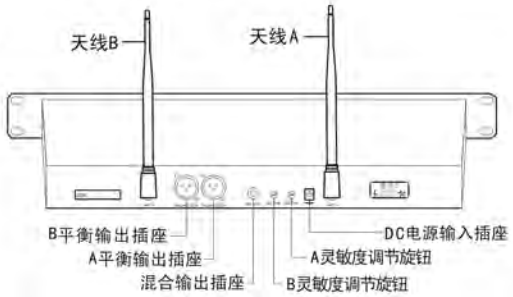
1) RECEIVER



2)UHF wireless microphone

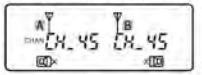
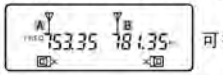
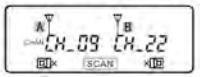
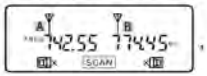


接收机背面图



注:图片可能与实物稍有差异，应以实物为准

六、接收机的操作及连线方法

1、开关键‘POWER’：开机时：按下按键，松开按键，关机时：长按按键0.8秒。
2、切换键‘MODE’:该按键为手动与自动模式切换:当 SCAN 显示时为自动模式,无 SCAN 显示时为手动模式,在手动模式时,   可按向上或向下设置键改变工作频率或信道,具体操作是：确认已选定的频率或信道后，打开发射器的开关，将发射器红外端口正对准接收器红外窗口，然后按下 ACT键，发射器将会自动搜索到接收器发出的信号并锁定，系统将保存在经选定的信道上。在自动模式时，按向上或向下键，系统会自动向上或向下搜索不受干扰的频率通道，使其工作在最佳的通话频道上，具体操作是：按选择键至自动模式状态，确认已显示 SCAN   ，按一次上、下键为选择A咪或B咪，打开发射器的开关，将发射器红外端口正对准接收器红外窗口，然后再按一次向上或向下键，系统将会自动根据向上或向下的方向搜索不受干扰的频率通道，当搜索不受干扰的频率通道时，SCAN 不再闪烁，而显示 ACT 闪烁,系统将自动发出信号,这时发射器将接收到接收器发出的信号并锁定,这时系统已保存在最佳的通话频道上,（发射器与接收器对频时应保持在50cm以内）
3、红外搜索对频键‘ACT’:按下按键,松开按键,“ACT”标志闪烁,通道的通信停止(静音),系统将以红外通讯形式搜索发射器,搜索到发射器后与该发射器进行红外通讯,通讯成功后发射器将自动追锁接收机对应频率,发射器与接收机同步,系统退出该模式,若接收机搜索18秒仍未搜到发射器,则退出该模式,通讯过程中用户可按任何键中止。搜索过程中应将发射器的红外端口对准接收器的红外窗口，并且发射器的开关必须在“ON”位置。
4、按键‘UP▲’、‘DOWN▼’：按下按键，对应信道或频率可进行步进向上/向下调节，长按按键则连续步进向上/向下调节对应信道或频率，调节方式为循环调节。
5、开/关机状态自动记录,在下次插上电源时会保存在上一次断电时的开/关机状态。
6、灵敏度调节：逆时针，距离最远；顺时针，距离最近
7、电子音量的调节方法：按切换键‘MODE’至显示 VOL 介面  ,调节左边的上、下键为A咪的音量大、小，调节右边的上、下键为B咪的音量大、小。

接收机的安装注意事项:离地面要高于一米,距离墙面要大于一米,天线要拉竖，否则将影响接收效果。

七、手持麦克风的操作

1、打开电池盖，装入2节AA1.5V碱性电池,注意电池的正负极性不能接反。
2、拨电源开关至"ON"，电源指示灯闪亮，然后熄灭；如指示灯长亮或不亮，应检查电池极性是否接反或电池电压不足。
3、拨电源开关至中间档，接收机将切断间频输出，抑制噪音通过接收机。

八、简单故障处理

故障现象	原因或处理方法
打开接收机电源开关,显示屏不亮	检查电源线是否插好，插座是否有电，保险丝是否熔断
信号指示闪亮，但无声音输出	音量电位器旋至最小，音频电缆没接好
使用距离变短，信号不稳定	天线没拉竖，接收机放置位置不对（例如放在地上或墙角），周围有强烈的电磁场干扰（应远离电磁场）
音质变差	手持麦克风电池已经用完（请更换），周围有同频率之信号， 两台同频率的机器同时同地使用（最小相隔100米）

* 若发生重大故障时请速接洽经销商或本公司，切勿自行拆开修理，我们将竭诚为您服务，谢谢！

九、性能指标

1、综合性能

载波频率：	UHF 800MHz
频率稳定性：	≤±10ppm
动态范围：	>100dB
谐波失真：	≤0.3%
频率响应：	40Hz-20kHz
音频输出：	平衡输出：0-150 mV
	混合输出：0-150mV

2、固定式接收机

使用电源电压：	AC 230V～50Hz（请按机壳标记或电源适配器标示使用）
电源适配器输出电压：	DC14V ⎓ 300mA
额定消耗功率：	10W
信噪比：	>98dB
假象干扰比：	>80dB
邻道干扰比：	>80dB
接收灵敏度：	≤5dBuV(S/N≥20dB)

3、手持麦克风

发射功率：	最大30mW
调制方式：	FM
最大调制度：	±25kHz
高次谐波：	低于主波基准40dB以上
使用电源电压：	3V(2节AA1.5V碱性电池)

说明：由于产品在不断改良中，参数可能更改，恕不另行通知。

Thanks for your trust and support to our products.
Not with standing the fact that such equipment is manufactured under the highest and strictest technological conditions, usage of the said must be in strict accordance and to instructions as spelt out by the manufacturer.

A:Gentle Reminder

Risk of electronic shock! Do not attempt to open for self-repair, by doing so, the distributor may have the right to refuse repair even under warranty period.
If signal shown interrupt and distorted, please switch to other channels.

B:Cautions

1) For good reception, avoid from placing the microphone receiver in dead corner.
2) In order to protect the microphone, please avoid from dropping, throw or flap.
3) Microphone body is a non-waterproof design. Avoid away from water or any other liquid.
4) Keep away from any metal which produce high electro-magnetic field.
5) Turn the microphone to OFF position when changing battery. Change or recycle the battery when necessary.
6) Remove battery from microphone compartment if not use for a long period.
7) Turn on power of microphone receiver when only in use.
8) Keep a minimum 50 cm distance from any surface to microphone receiver and avoid any blockage for ventilation.
9) Avoid moisture, damp supply outlet and high heat area
10) Stop using the receiver if find anything un-normal, smoke, faulty smell or etc. Call the local agent or service center immediately.
11) Receiver is design to work under normal temperature condition.

Maintenance

Remember to turn OFF all power before cleaning the receiver. Recommend to use soft cloth with medium flush liquid and AVOID volatile gasoline or other strong chemical liquid or washing detergent. It might damage to the receiver.

C:General Features

Traditional wireless microphone is easy been interrupted because of the low signal frequency designed and especially the harmonics wave from digital equipment such as CD/VCD/DVD/FM/SW or even mobile phone! The receiver's squelch circuit, analyze the strength of the RF signal, but the RF cannot distinguish the require signal and noise. In the noisy RF environment or the signal of the transmitter becomes low, the traditional squelch circuit may be turned on suddenly, making the receiver send out strong noise. In order to solve the problem, we designed this series of UHF dual channel auto-scan diversity band professional wireless microphone and receiver. It uses our highest and strictest technical measure for improving frequency, advance high and medium frequency filter. Moreover, we also created a digital anti-noise circuit.

This receiver uses PLL circuit design. It is of 4 channels Non-Auto Frequency targeting receiver system. Each channel consists of 16 frequencies and that avoid disturb when using many pieces of microphone in the same time.