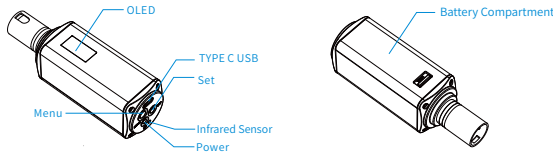


Plug-in Receiver (DTR228-1P)

Product Instructions

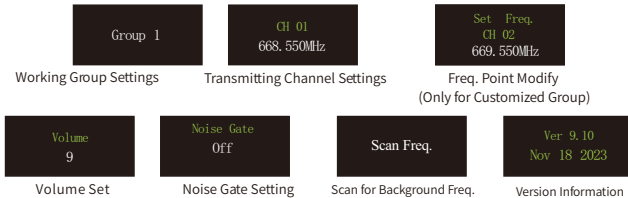


Operation Instructions



4. Setting Interface

Short press the MENU key to enter the setting interface, and the menu circulates in the following order. Press the SET button to modify.



5. Wireless Channel Management Logic

This device follows the "Group - Channel - Frequency" logic.

Group: The system has several channel groups (base on different region and firmware), and of 12 channels for each group.

CH (wireless channel): Each channel is bound to a wireless frequency point, and the wireless frequency points under the same group are recommended, which can avoid "intermodulation interference" effectively.

Frequency: can be changed by selecting a different CH (except for last group).

Customized Group: The last group is customized group, and frequency points of this group can be manually changed.

The transmitter and receiver must be set to the same Group and CH for work.

6. Automatic Pairing

Long press the MENU key between the transmitter and receiver to enter the mode; Align the receiver's "Infrared Transmitter" with the transmitter's "Infrared Receiver" to complete the pairing.

Once the function is enabled, the receiver will scan, automatically switch to the cleanest freq. point in the group, and then complete the action. If you need to set a specific frequency point, you must do it manually.

7. Operating instructions

- Settings: Press the "Settings" button on the main interface to switch in order, and press the "Status" button to modify the settings.
- Frequency settings : Only appear in last group, hand -set any frequency point.
- Volume : Output volume: 1~9
- Noise Gate: can improve noise foundation filtering, off / on.
- Scan Freq: Scan all the signal strength of all the frequency points under the group, press the SET key, and turn the page. As shown in the figure

Display "CH01 -51DB", that is, CH1 channel signal strength -51DB. The lower the value, the less interference, which is suitable for use. For example: -77DB is better than -51db. If it is greater than -50DB, it is recommended not to use the frequency point.

CH01	668.350 Mhz	-51db
CH02	672.550 Mhz	-77db
CH03	678.350 Mhz	-81db
CH04	682.550 Mhz	-42db
CH03	688.350 Mhz	-68db
CH04	692.350 Mhz	-73db

Performance Parameters

communication mode	UHF band radio digital communication
modulation	PSK
Band	510~608 / 600 ~ 698 / 806~868MHz(Varies on regions)
RX Sensitivity	-96dB
Distance	>50M (related to signal absorption, reflection, interference, and selection)
Freq. Response	<3.5dB (20Hz~20KHz)
S/N	>123dB
T.H.D	<0.03% (@1KHz)
Time Delay	4.17ms
Antenna	Built-in FPC antenna
Endurance	>16h(18650 Li Battery) / >8h(14500 Li Battery) / >6h(AABattery)
Power Supply	18650Li-Battery x1 / 14500Li-Battery x2 / AA Battery x2 (Hybrid Power Supply)
Weight/Size	75g, (Without Battery) / 124mm*34mm*34mm

References

1. The low-quality Li battery be adopted, its will interfere with the performance.
2. When multiple sets of devices are used simultaneously, must care the issue of intermodulation interference.
3. If multiple sets of devices are working simultaneously, different groups and frequency points must be set between each group, and intermodulation interference frequency points must be avoided in order to operate normally. Otherwise, interference will occur.

Warning

- ⚠ Please use a qualified battery! If the battery is abnormal, stop the equipment immediately to avoid danger and damage!
- ⚠ Avoid the equipment for a long time, or work at high temperature environment, avoid decline in performance, and even cause damage!
- ⚠ If the tone is in the working state of the illusion voltage, it may burn the device directly into the receiver!

数字UHF无线系统(DT228G)

单通道直插式接收机 说明书 (DTR228-1P)



数字音频



优秀相偏



自动配对



信号稳定



超低延时



超高信噪比

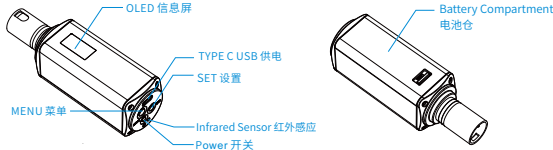


超远距离



混用动力

产品外观



操作说明

1. 无链接主界面



2. 有链接主界面



3. 状态界面(短按SET键)



4. 设置界面

短按MENU键进入设置界面, 菜单按以下次序循环。短按SET按键修改参数。



5. 无线信道管理逻辑

本设备遵循“Group(组) - Channel(无线通道) - Frequency(频点)”逻辑。

Group(组): 系统内置若干个无线通道组(根据不同国家区域, 不同 Firmware版本有所区别), 每个组包括12个无线通道。

CH(无线通道): 每个无线通道绑定一个无线频点, 同一Group下的无线频点为系统推荐频点, 可以有效规避“互调干扰”。

Frequency(频点): 只能通过选择不同CH进行更改(最后 Group 除外)。

Customized Group(自定义组): 最后一组为自定义频点组, 本组频点可手工更改, 需人工规避“互调干扰”。

- 发射端、接收端需调设在相同Group(组)、相同CH(无线通道)下, 才可工作。

6. 使用方法

- 配对: 发射机与接收机长按菜单(Menu)即可进入配对模式; 将接收机的红外发射器对准发射机的红外接收器, 即可完成配对。

- 开机: 长按开关键, 设备启动, 开机后将停留在首界面。

一旦启动红外对频功能, 接收机将进行扫描, 自动跳转至本组最干净的频点, 再与发射机完成配对。如需设定指定频点, 必须手动完成。

- 开机: 长按开关键, 设备启动, 开机后将停留在首界面。

- 设置: 主界面按下“MENU键”, 按次序可切换, 按“SET键”修改设置。

- 组别设置, Group。
- 通道设置, Channel。
- 频率设置, Frequency: 只有第7组支持自定义频率。
- 输出音量, Volume: 1~9。
- 噪音门限, Noise Gate: 能改善底噪过滤, OFF / ON。
- 现场无线环境扫描, Scan Freq: 扫描本Group下所有频点的信号强度, 按SET键, 下翻页面。如图

显示“CH01 -51dB”, 即CH1通道信号强度-51dB。该数值越低, 说明干扰越少, 适合使用。例如: -77dB好于-51dB。如大于-50dB, 建议不要使用该频点。

CH01	668.350 MHz	-51dB
CH02	672.550 MHz	-77dB
CH03	678.350 MHz	-81dB
CH04	682.550 MHz	-42dB
CH03	688.350 MHz	-68dB
CH04	692.350 MHz	-73dB

性能参数

通信模式	UHF段无线电数字通信
调制方式	PSK
传输频段	510~608 / 600~698 / 806~868MHz (根据地区不同有所差别)
接收灵敏度	-96dB
传输距离	>50米 (与信号的吸收、反射、干扰和选择的性能选项相关)
频响衰减	<3.5dB (20Hz~20KHz)
信噪比 S/N	>123dB
失真度 T.H.D	<0.03% (@1KHz)
时延	4.17ms
天线	内置FPC天线
续航	>16h(18650锂电池) / >8h(14500锂电池) / >6h(AA电池)
供电	18650锂电池 x1 / 14500锂电池 x2 / AA电池 x2 (混用动力技术)
重量 / 尺寸	75g(无电池) / 122mm*34mm*34mm

常见问题

- 不合格的锂电池会因其降压电路不合格, 而干扰接收机的性能。
- 多套设备同时使用时, 如频点设置不当, 容易由于互调干扰造成性能下降。此时可以通过频点扫描功能提前发现。

警告

- ❗ 请使用合格电池! 如发现电池异常, 请立即停止设备工作, 避免危险和损坏!
- ❗ 避免设备长时间暴晒, 或高温环境工作, 避免性能下降, 甚至致损坏!