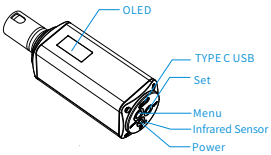
GAODIMIC® | UTRON TECH

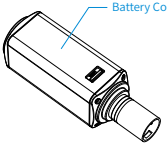
Flagship Edition

Digital Audio UHF Wireless System

Plug-in Receiver Manual (DTR228-1P)

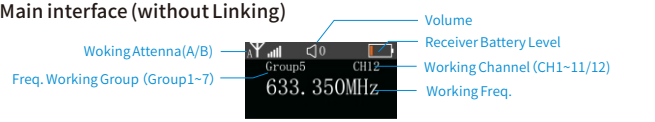
Product Instructions



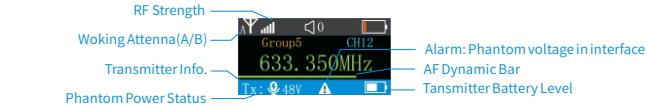


Operation Instructions

1. Main interface (without Linking)



2. Main interface (with Linking)



3. Status interface (short press SET key)

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.

Working Group Settings

Transmitting Channel Settings

Freq. Point Modify (Only for Group 7)

Volume Set

Noise Gate Setting

Scan for Background Freq.

Version Information

5. Wireless Channel Management Logic

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

Group: The system has 7 channel groups, 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 only be changed by selecting a different CH (except for Group 7).

Group 7: The 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 SET 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.

7. Operating instructions

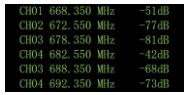
-Power on: Long press the key, start the device, and will stay on the first interface after booting.

-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 group7, 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.



Performance Parameters

communication mode	UHF band radio digital communication
modulation	Pi/4 DQPSK
Band	510~590Mhz & 668 ~ 698MHz (Varies depending on region)
RF Output	<18dBm
Distance	>50M (related to signal absorption, reflection, interference, and selection)
Freq. Response	<3dB (20Hz~20KHz)
S/N	>123dB
T.H.D	＜0.03% (@1KHz)
Time Delay	4.17ms
Antenna	500~600MHz (Built-in)
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!

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