

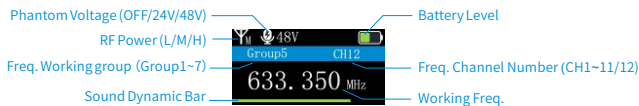
Plug-in Transmitter Manual (DTT228-P)

Product Instructions

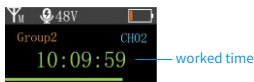


Operation Instructions

1. Main Interface

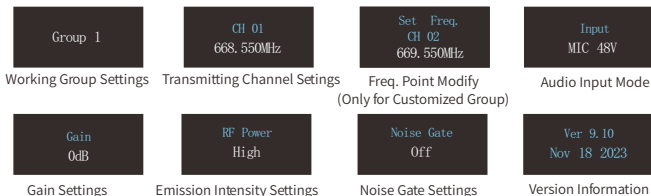


2. Status Query Interface (Short press SET button)



3. 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.



4. 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.

5. 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.

6. 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 the customized group(Last Group), hand -set any frequency point.
- Input: LINE has no illusion voltage, 24V/48V open the illusion power supply.
- GAIN: audio signal gain.
- RF Power: Provide three high, middle and low transmitting power gears.
- Noise Gate: can improve noise foundation filtering, off / on.

Performance Parameters

communication mode	UHF band radio digital communication
modulation	Pi/4 DQPSK
Band	510~590Mhz & 600 ~ 698MHz (Varies depending on region)
RF Output	<18dBm
Distance	50~100M (related to Rx type and 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	500 ~ 600MHz, (Built-in)
Endurance	18650 Li-Battery >10h(@48V) / >14h(@24V) />18h AA Battery: >3h(@48V) / >5h(@24V) />6h
Power Supply	18650Li-Battery x1 / 14500Li-Battery x2 / AA Battery x2 (Hybrid Power Supply)
Weight/Size	88g, (Without Battery) / 124mm*34mm*34mm

References

1. If no signal output with the condenser microphone, please check whether the phantom power supply is selected.
2. The low-quality Li battery be adopted, its will interfere with the performance.
3. When multiple sets of devices are used simultaneously, must care the issue of intermodulation interference.
4. Some brands of MIC can interfere with poor signal shielding, and can try to the XLR extend tube to solution.
5. 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.

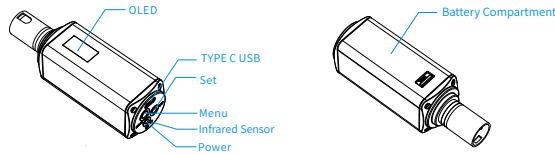
Warning

- ⚠ 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!

Digital UHF Wireless System

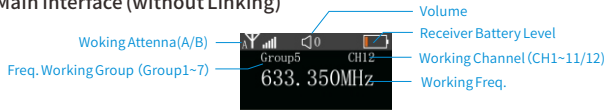
Plug-in Receiver Manual (DTR228-1P)

Product Instructions



Operation Instructions

1. Main interface (without Linking)



2. Main interface (with Linking)

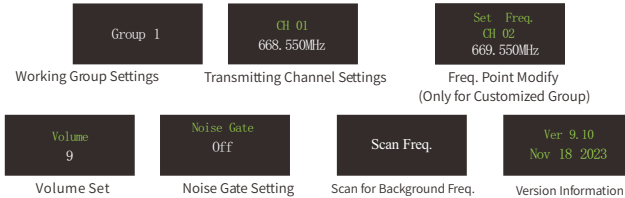


3. Status interface (short press SET key)



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.



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	688.350 Mhz	-51dB
CH02	672.350 Mhz	-77dB
CH03	678.350 Mhz	-81dB
CH04	682.350 Mhz	-42dB
CH03	688.350 Mhz	-68dB
CH04	692.350 Mhz	-73dB

Performance Parameters

communication mode	UHF band radio digital communication
modulation	Pi/4 DQPSK
Band	510~590Mhz & 600 ~ 698MHz (Varies depending on region)
RF Output	<18dBm
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	500~600MHz (Built-in)
Endurance	>16h (18650 Li Battery) / >8h (14500 Li Battery) / >6h (AA Battery)
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.

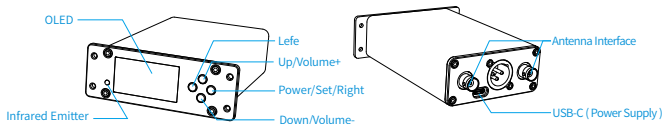
Warning

- ⚠ 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!



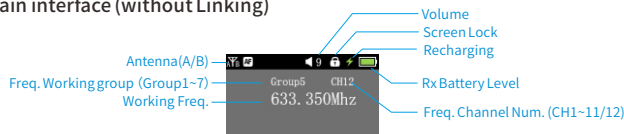
Digital Audio UHF Wireless System Rack Receiver Manual (DTT228-1R)

Product Instructions

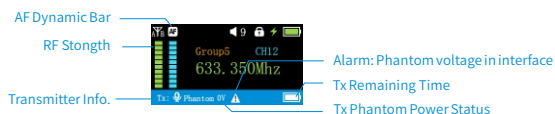


Operation Instructions

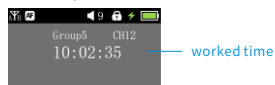
1. Main interface (without Linking)



2. Main interface (with Linking)

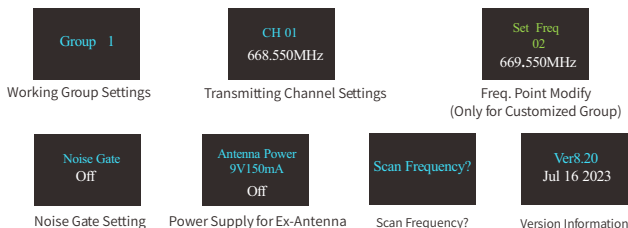


3. Status interface (short press SET key)



4. Setting Interface

Short press the red keys of the panel to enter, the menu will be circulated in the following order, and the short press panel button 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	-12dB
CH03 688.350 Mhz	-68dB
CH04 692.350 Mhz	-73dB

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	>100M (related to signal absorption, reflection, interference, and selection)
Freq. Response	<3dB (20Hz~20KHz)
S/N	>123dB
T.H.D	<0.03% (@1KHz)
Time Delay	4.17 ms
Antenna	500MHz * 2 / 600MHz * 2
Endurance	>20h
Power Supply	18650 Li Battery (3.7V) * 2
Weight/Size	330g / 136mm*100mm*35mm

References

1. When multiple sets of devices are used simultaneously, must care the issue of inter modulation interference.
2. If multiple sets of devices are working simultaneously, different groups and frequency points must be set between each group, and inter modulation interference frequency points must be avoided in order to operate normally. Otherwise, interference will occur.

Warning

- ! 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!

