

The Receiver Description

The DTT22X series launch product is recommended to use the brand DTR22X series receiving end products.

❗ The equipment can be compatible with the previous model, but the recommended product can ensure that the performance is fully displayed.



DTT220 TECH is iweex®'s label of the 4th generation Digital UHF Wireless Technology. Learn more from official website.



Digital UHF Wireless System

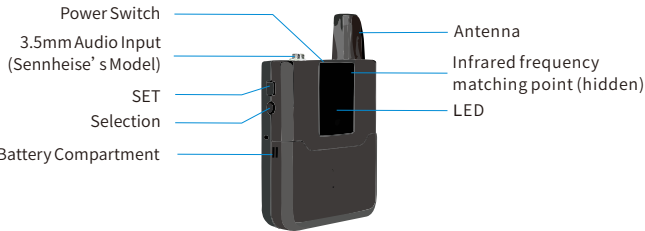
Digital Audio UHF Wireless System Bodypack Manual

DTT224-B

Feature

- Digital audio system. Anti -interference, anti -string disturbances, high -fidelity, high signal -to -noise ratio, and wireless transmission distance.
- 500Mhz & 600Mhz frequency bands.
- The performance of multi-channels working is excellent. Digital UHF technology, effective wireless transmission distance can reach 80 meters, effectively avoid interference interference.
- Ultra -low power consumption, battery life> 5 hours, standby time> 20 hours. ▪ Use the "Hybrid Power Supply" patent technology to use a 3.7V 14500 lithium battery or 1.5V AA battery.
- A variety of receivers can be matched, including single -channel receiving machines, two -channel receiver, four -channel receiver.
- Wireless 20 ~ 20kHz full audio band, frequency response deviation <2DB, close to non -destructive transmission, phase deviations are +30 ° ~ - 60 °.

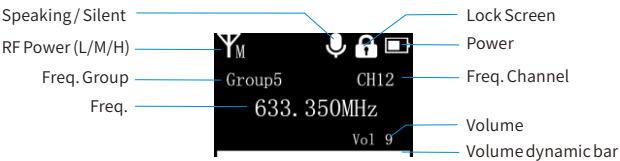
Appearance



Note: There may be differences between different versions, but not affect product operation.

Instructions

1. Main Interface



2. Conceptual explanation

- **Match:** The automatic pairing function of the receiver and the launch end.
- **Frequency parameter:** The frequency of wireless communication is modified simultaneously by pairing of the receiver.
- **Antenna and signal intensity:** The receiver receives the antenna of the signal and the strength of the signal.
- **Volume rolling bar:** Real -time status of the signal's volume, the receiver receives the strength of the volume.



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- **Phantom power:** This device provides 3.3V phantom power in default.

3. Wireless Channel Management Logic

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

Group: The system has 5 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 5).

the Last Group: 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.

4. Power Supply Description

- 14500, 3.7V lithium batteries or battery 5. Can be switched freely, but not mixed.

5. Instructions for Use of Microphone

- Please use the equipped headset to pay special attention to whether the headset supports the power supply power supply. If the headset accessories do not match, it may cause device damage or decline in performance.

6. Instructions

- Turn on/off
The key can be turned on to the right; you can turn it to the left to shut down.
- Dialogue:
The receiver enters the "PARING" state, and the infrared point of infrared point pairs of the frequency pair to the receiver will be sent. No key operation is required for the launch end.
- Forbidden words/speech:
During the operation of the device (in non -configuration state), a short selection key can be switched to the prohibited or speaking state.
- Lock screen:
During the operation of the device (in non -configuration state), long press the configuration key to achieve the lock screen switch.The device will not automatically lock the screen.
- Enter/cut out the configuration status:
During the device, the configuration key can enter the configuration state.Continue the short press configuration key to switch the configuration items; in each configuration item, the short press selection key modify the parameter value.Continuously press the configuration key to cut out the configuration status; or after 5 seconds without operation, automatically exit.

7. Set instructions

-In the sub -menu, press the "Options Switch Key" to implement the configuration change.

Group 1

Freq. Group

CH 04
640.500MHz

Freq. Channel

Gain
6dB

Signal Gain

RF POWER
High

RF Strongth

Noise Gate
OFF

Noise Gate

Battery Liffe
10:45:22

Remaining Time

- The short press settings to enter the setting state, keep short pressing the settings, the system will switch the menu by the following order.
- After selecting the target menu, press the front "set key" to adjust the configuration value of the menu.
- The content description is as follows:
 - **Group:**Modify 12 channels to choose from each group, and the fifth group is for 11 channels to choose; Group 5 is a customized group.
 - **CH:** After selecting a certain group, you can select different channels under the group; each channel number corresponds to a independent frequency point. Change the channel number, the corresponding frequency point will also be changed automatically.
 - **Gain:**The audio signal gain, the default is 0 dB.
 - **RF Power:** Launch power, default to LOW.
 - **Noise Gate:** The noise door settings, the default OFF.
 - **Information:** Display the software version number, the release date.

Parameters

Wireless Communication Parameters

Items	Parameter
Mode	Digital Communication
Modulation	Pi/4DQPSK
Freq. Band	510~590Mhz / 668~698 MHz, There are differences according to regions
Bandwidth	80Mhz+30MHz
Number of CHs	36 Channels
Radio Output	<18dBm
Distance	70m (@no interference environment, and different from different tranmitter)
Sensitivity	-96dBm
S/N	>96dB
T.H.D	<0.03% (@1KHz)
Freq. Response	20Hz-20KHz, attenuation<2dB
Phase Response	20Hz-20KHz, about-30°~60°
Time Delay	4.17ms

Physical Electrical Indicators

Item	Parameters
Power	14500 lithium battery (3.7V) *2 or AA5 battery (1.5V) *2 [Hybrid Battery Technology]
Battery Life	> 7h (Li-battery) / 4h (AA battery)
Scope of Work	5 ° C ~ 45 ° C (battery characteristics may limit this range)
weight	52g (without battery)
Size	94mm*64mm*21mm
Material	Engineering plastics
Storage Condition	‘-5°C ~ 74°C (Battery characteristics may limit this range)