GAODIMIC® | DTT225™ TECH

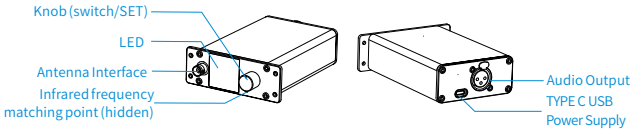
Digital Audio UHF Wireless System

Rack Mounted Transmitter Manual

DTT225-R

- Digital UHF technology, anti-interference, near lossless sound quality, designed for wireless audio engineering scenarios,
- Excellent frequency response attenuation, phase shift, SN, and distortion. The transmission distance up to 300M, supports sound measurement.
- Excellent multi-channel concurrency performance, effectively avoiding intermodulation interference.

Appearance



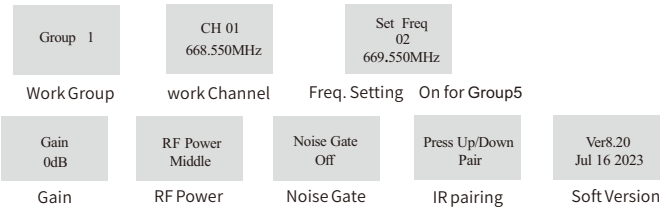
Note: There may be differences between different versions, but they do not affect product operation.

Instructions

1. Main Interface

2. Setting Interface

Short press the bottom SET button to cycle through the following sequence, and short press the panel button to modify the parameters.



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).

Group 5: 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. 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.

5. Operating instructions

-Power on: The bottom dial switch will activate the device, and it will remain on the homepage after startup.

-Settings: Press the "Settings" button on the main interface to switch in order, and press the "Status" button to modify the settings.

- **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.**

Performance Parameters

communication mode	UHF band radio digital communication
modulation	Pi/4 DQPSK
Band	668MHz ~ 698MHz (Varies depending on region)
RF Output	<18dBm
Distance	100M (with Portable Rx) / 300M (with Rack Mounted Rx) (related to signal absorption, reflection, interference, and selection)
Freq. Response Attenuation	<2dB (20Hz~20KHz)
S/N	>101dB
T.H.D	＜0.03% (@1KHz)
Time Delay	4.17ms
Antenna	600MHz, (BNC interface)
Endurance	＞10h(@48 Phantom)
Power Supply	18650 Build-in Li Battery (3.7V) *2
Weight/Size	334g(Without antenna) / 35mm*100mm*142mm

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 Mic. may cause interference due to poor signal shielding, which can be solved by using Cannon extension tube.

Warning

Fake and inferior batteries may cause leakage or even explosion. If abnor-mal states are found for batteries, please stop to work immediately!

Exposing the device to sunlight or working in a high-temperature environment may cause performance degradation or even damage!

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