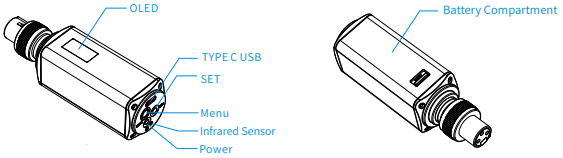


## Digital Audio UHF Wireless System

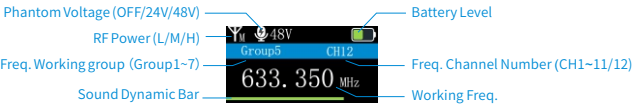
# Plug-in Transmitter Manual (DTT228-P)

### Product Instructions



### Operation Instructions

#### 1. Main Interface

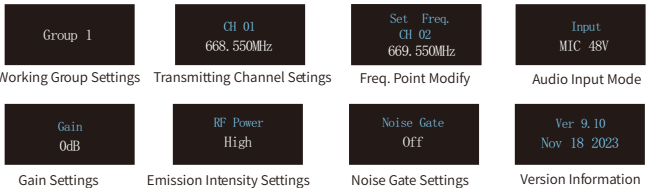


#### 2. Status Query Interface (Short press SET button)



#### 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 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.

#### 5. 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.

#### 6. 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.
- 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

<b>communication mode</b>	UHF band radio digital communication
<b>modulation</b>	Pi/4 DQPSK
<b>Band</b>	510~590Mhz & 668 ~ 698MHz (Varies depending on region)
<b>RF Output</b>	<18dBm
<b>Distance</b>	60~120M (related to Rx type and signal absorption, reflection, interference, and selection)
<b>Freq. Response</b>	<3dB (20Hz~20KHz)
<b>S/N</b>	>123dB
<b>T.H.D</b>	<0.03% (@1KHz)
<b>Time Delay</b>	4.17ms
<b>Antenna</b>	500 ~ 600MHz, (Built-in)
<b>Endurance</b>	18650 Li-Battery >10h(@48V) / >14h(@24V) />18h AABattery: >3h(@48V) / >5h(@24V) />6h
<b>Power Supply</b>	18650Li-Battery x1 / 14500Li-Battery x2 / AA Battery x2 (Hybrid Power Supply)
<b>Weight/Size</b>	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!