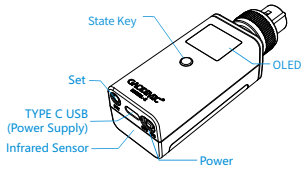
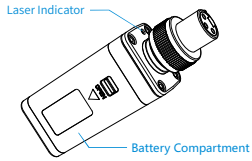
Plus Edition

Digital UHF Wireless System

Plug-in Transmitter Manual

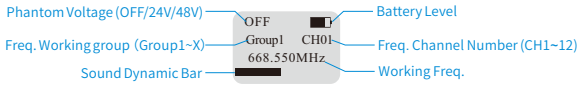
Product Instructions





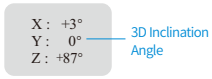
Operation Instructions

1. Main interface



2. Status Query Interface

Short Press State Key



Short Press Set Key + State Key

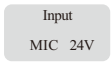
3. Setting Interface

Short press the SET Key to cycle in the following order, and short press the panel buttons to modify the parameters.

Working Group Settings

Transmitting Channel Setings

Frequency Point Modify (Customized Group)



Audio Input Mode

Gain Settings

Emission Intensity Settings

Noise Gate Settings

Version Information

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 only be changed by selecting a different CH (except for Group 7).

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 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.

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. In earlier versions, when pairing, the transmitter and receiver must be kept in the same frequency group.

6. Operating instructions

-Power on: The bottom dial switch will activate the device.

-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	510~590Mhz, 600~698MHz (Varies depending on region)
RF Output	<18dBm
Distance	60~120M (related to signal absorption, reflection, interference, and selection)
Freq. Response Attenuation	<2dB (20Hz~20KHz)
S/N	>100dB
T.H.D	＜0.03% (@1KHz)
Time Delay	<4.2ms
Antenna	600MHz, (built-in)
Endurance	＞5h(@48 Phantom); ＞6.5h(@24Phantom)
Power Supply	14500 Li Battery (3.7V) *2
Weight/Size	96g, (Without Battery) / 94mm*64mm*21mm

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. Some Mic. may cause interference due to poor signal shielding, which can be solved by using Cannon extension tube.
4. Because dynamic Mic have lower energy than condenser Mic! If connected to a dynamic Mic, a Gain (recommended +9dB) must be added; If you only increase the gain in the mixer, you will mistakenly think the background noise grenade is large!

Warning

- Fake and inferior batteries may cause leakage or even explosion. If abnormal states are found for batteries, please stop to work immediately!
- Long-term exposure to the sun may cause performance degradation!
- When laser source is working, do not irradiate eyes or human body.