

PROFESSIONAL UHF DIGITAL WIRELESS MICROPHONE

USER'S MANUAL

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture. Dangerously high voltages are present inside the unit. Do not open the cabinet. Refer servicing to qualified personnel only.

PRECAUTIONS

On Safety

- *Operate only on designated AC power supply .
- *Should any liquid or solid object fall into the cabinet, unplug the unit and have it checked by qualified personnel before operating it any further.
- * Unplug the unit from the wall outlet or set the Master switch to OFF if it is not to be used for several days.
- * To disconnect the cord, pull it out by the plug. Never pull the cord itself.

On Installation

- *Allow adequate air circulation to prevent internal heat build-up.
- Do not place the unit on surfaces (rugs, blankets, etc.) or near materials (curtains, draperies) that may block the ventilation holes.
- *Do not install the unit in a location near heat sources such as radiators or air ducts, or in a place subject to direct sunlight, excessive dust, mechanical vibration or shock.

On Repackaging

Do not throw away the carton and packing materials. They make an ideal container in which to transport the unit. When shipping the unit to another location, repack it as it was originally packed at the factory

Technical Specifications

Receiver:

1. Frequency range: 470-608 MHz
2. Step frequency: 300KHz
3. Vibration mode: DSP clip frequency lock
4. Frequency stability: 10ppm
5. Sensitivity: -103dBm
6. Frequency Response: 50-12KHz
7. S/N: > 90dB
8. Audio output: 200mv (RMS)
9. Dynamic range: 90dB
10. Effective distance: 50m
11. Power supply: DC12V-18V

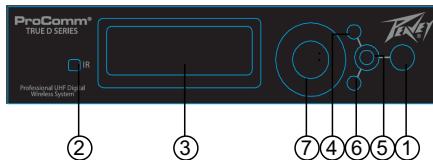
Transmitter:

1. Frequency range: 470-608MHz
2. Frequency stability: 10ppm
3. Modulation mode: FM
4. Output Power: <10mW
5. Harmonic suppression: >60dB
6. Dynamic range: 90dB
7. Maximum modulation: 75K
8. Effective distance: 50m
9. Voltage: 3V
10. Current: 120mA

Scope of delivery

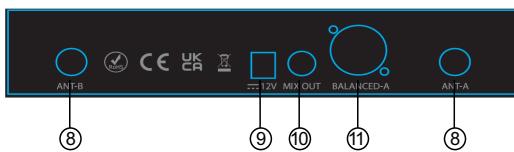
- Receiver
- Transmitter
- Handheld microphone or Bodypack microphone
- 1.5V battery
- Power supply
- Connect cable
- User manual

Function of the System: Receiver



1-1 Front panel

1. Power ON/OFF switch: press the switch 0.5 second to turn on the receiver; press the switch for 3 seconds when it is on to turn off the receiver. (RUBBER)
2. Infrared signal emission window: when proceeding infrared emission, required this window face to the receiver IR window, the ideal distance is 10cm;
3. LCD display: show the frequency, receive channel, audio signal, signal level.
4. UP/▲(LOCK) button: this button is used to increase the channel number; press the button 3 seconds to lock the system, all the button can't operate, press it 3 seconds again to unlock. (RUBBER)
5. SET/IR button: short press can auto adjust the frequency; press the button 3 seconds can auto search the non-interfering frequency. (RUBBER)
6. DOWN/▼: this button is used to decrease the channel number. Long press can control the electronic volume. (RUBBER)
7. Volume adjustment potentiometer. Spin it to adjust the system volume



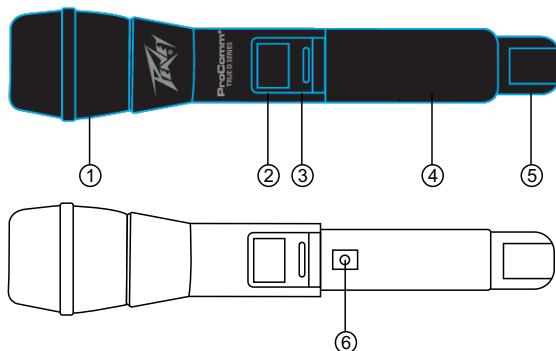
2-1 Rear panel

8. Antenna
9. DC input: DC12V/1A
10. Unbalanced Microphone Output(1/4" jack): this is a mixed unbalanced microphone output from Channel 1 to Channel 8.
11. Balanced microphone output (XLR jack)

3. Bottom part

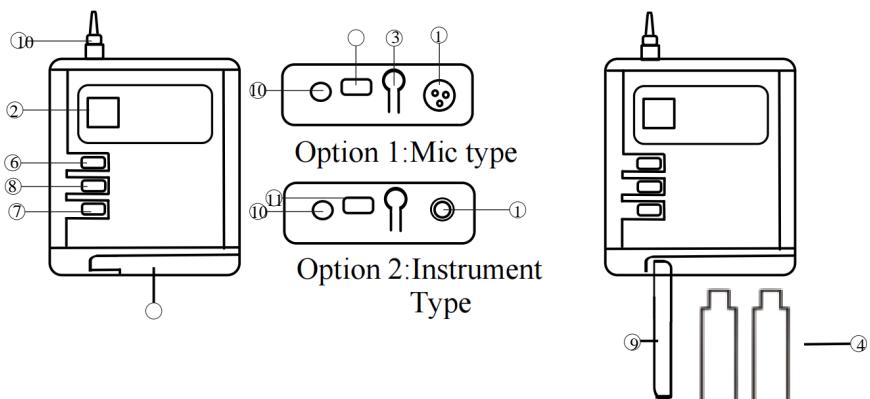
The bottom feet of the receiver is made in Rubber material

Transmitter



3-1 Handheld transmitter

1. Microphone head
2. LCD display
3. Power indicator
4. Battery compartment: 1.5V*2
5. Power ON/OFF switch
6. IR window



3-2 Body-pack transmitter

1. Cartridge mould:

Main component of converting sound into the audio signal, the module can be separated from the tube body, in order to change different sound quality cartridge; For Mic type is mini XLR, For Instrument Type is 1/4 Jack.

2. LCD display: display various functions when setting menu, such as frequency, channel, battery capacity;

3.Power key: This key has three functions: Press more than0.5 seconds power on, and press more than one secondwill turn off the power of transmitter;

4.BODY PACK:Filling with 1.5v*2 batteries(noted: long time do not use thesystem, please remove the battery, to prevent the device damage by battery leakage);

5.

6.UP key: superscript;

7.SET key: menu control settings and confirm key;

8.DOWN key: subscript;

9.Bodypack battery cover;

10.Bodypack antenna;

11.Infrared signal emission window:whenproceedinginfrared emission,required this windowface to thereceiver IR window,the ideal distance is 10cm;

Operation:

4-1 Install and Set Up

1. Connect the A+B antenna

2. Connect the power supply: operate only on AC110V- or AC220V-

3. Connect the outputs of the receiver to microphone inputs of a mixer or a sound system, you could use XLR balanced cable or 6.3mm unbalanced cable.

4. Place the receiver at a location at least 1 meter away from the ground and all the walls. Also, keep the receiver away from any large metal surface as far as possible.

5. Volume control of the sound system is set to minimum, turn on the system and the receiver, then turn on the transmitter. If the frequency of the receiver is same as the transmitter, the signal indicator “ ” of the receiver will be light up; if the frequency not match, please set up the frequency.

6. Adjust the volume of the receiver and sound system to appropriate. When howling, turn down the volume or move the transmitter away from the speaker.

4-2 Receiver set up

1. Turn on the receiver: press the power button, the LCD of the receiver will be lighted up.

2. Connect the tansmitter with the receiver : press the function button (SET) , the LCD will display F----, make the IR window of the receiver and transmitter close about 10cm to match them up.

3. (1)Adjust the system volume: Long press the DOWN key to show the system volume menu until VOL+ number shown on the LCD screen.Adjust the system volume by UP key and DOWN key.Press the “SET” button again to save and quit.

(2) Adjust the electronic volume,

4. Automatically search the frequency: press the “UP” or “DOWN” button to automatically search the frequency, the system will be avoided the interference frequencies.

5. Frequency Lock: Long press the UP KEY to Lock/Unlock the system, until the screen display "L" on "or" "L of". When the Frequency lock is on, the IR and Automatically search the frequency system will be not available.

4-3 Transmitter set up

The transmitter face to the IR window of the receiver, the ideal distance is 10cm, press the "SET" button, the system will be auto enter match state, when the transmitter receive the correct signal, the RF indicator will be lighted up, the IR signal of the receiver will be quit.

4-4 Handheld Operation.

- 1.Turn on/off. Long click the power switch to turn on/off the microphone
- 2.Mute function: quick double click the power switch to mute/unmute the microphone

4.5 Body pack Operation

- (1).Turn on/trun off the body pack.

Press the power key of the body pack for more than 2 second until the screen flash with Letter"UHF" on it, then the body pack is on;

Press the power key for more than 2 seconds when the body pack is on, the body pack will be off.

- (2)Mute funtion

Click the power key 2 times when the bodypack is on, the "MUTE"letter will be shown on the screen.And the body pack is muted.

- (3) Function of adjusting volume

Turn on the bodypack ,click the up key, and then the volume will increase. Then click the down key, and the volume will decrease.

- (4)Function of adjusting signal gain.

First, click the SET key until the screen falsh.Second, click the up key, and then the gain will increase.

Then click the down key, and the gain will decrease. This function is mainly applicable to adjusting the strength of the signal for users use the device in any situation.

FCC Warning:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0cm between the radiator and your body.

ISED Statement

- English: This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

- French:Cet appareil contient des émetteurs/récepteurs exempts de licence qui sont conformes aux CNR exempts de licence d'Innovation, Sciences et Développement économique Canada. Le fonctionnement est soumis aux deux conditions suivantes :

- (1) Cet appareil ne doit pas causer d'interférences.
- (2) Cet appareil doit accepter toute interférence, y compris les interférences susceptibles de provoquer un fonctionnement indésirable de l'appareil.

This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 0cm between the radiator & your body.

Cet équipement est conforme Canada limites d'exposition aux radiations dans un environnement non contrôlé.

Cet équipement doit être installé et utilisé avec une distance minimale de 0 cm entre leradiateur et votre corps.

This device operates on a no-interference, no-protection basis. Should the user seek to obtain protection from other radio services operating in the same TV bands, a radio licence is required.

For further details, consult Innovation, Science and Economic Development Canada's Client Procedures Circular CPC-2-1-28, Voluntary Licensing of Licence-Exempt Wireless Microphones in the TV Bands.

Cet appareil fonctionne sur une base de non-interférence, de non-protection. Si l'utilisateur cherche à obtenir une protection contre d'autres services de radio fonctionnant dans les mêmes bandes de télévision, une licence radio est requise. Pour de plus amples renseignements, veuillez consulter la Circulaire des procédures concernant les clients CPC-2-1-28, Licence volontaire pour les microphones sans fil exempts de licence dans les bandes de télévision.

This radio transmitter [IC:3642A-PROCOMMB] has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

Cet émetteur radio [IC:3642A-PROCOMMB] a été approuvé par l'innovation, la science et le développement économique Canada pour fonctionner avec les types d'antennes énumérés ci-dessous, avec le gain maximal autorisé indiqué. Les types d'antennes non inclus dans cette liste qui ont un gain supérieur au gain maximal indiqué pour tout type énuméré sont strictement interdits à utiliser avec cet appareil.