

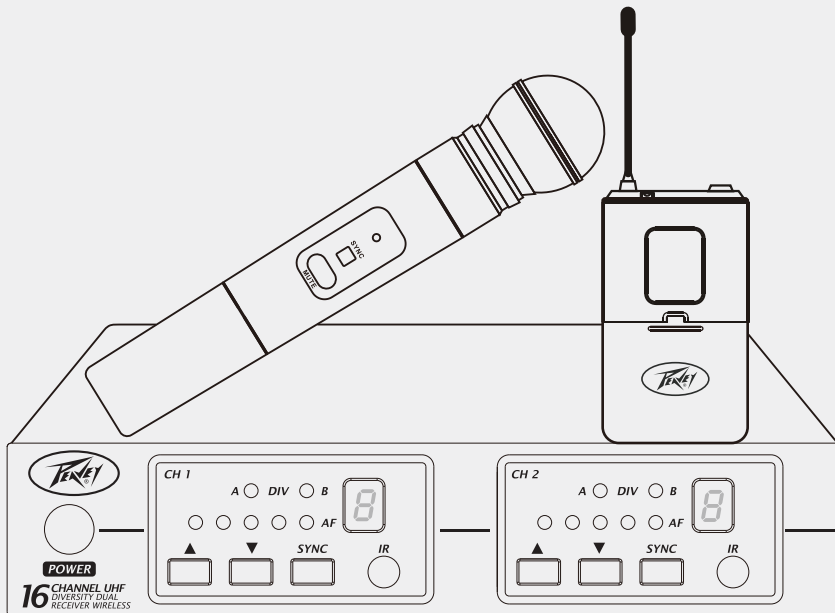


PLL-16D

UHF
DUAL PLL WIRELESS
MICROPHONE SYSTEM

Module information

Model Name: WIRELESS TRANSMITTER
Model No.: PV WIRELESS TRANSMITTER (UH-6)
PV WIRELESS TRANSMITTER (UB-7)
Model Name: WIRELESS RECEIVER
Model No.: 16 CHANNEL UHF DIVERSITY
WIRELESS RECEIVER (PLL-16D)



ENGLISH
OWNER'S MANUAL

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PLL-16D

UHF
WIRELESS
MICROPHONE SYSTEM

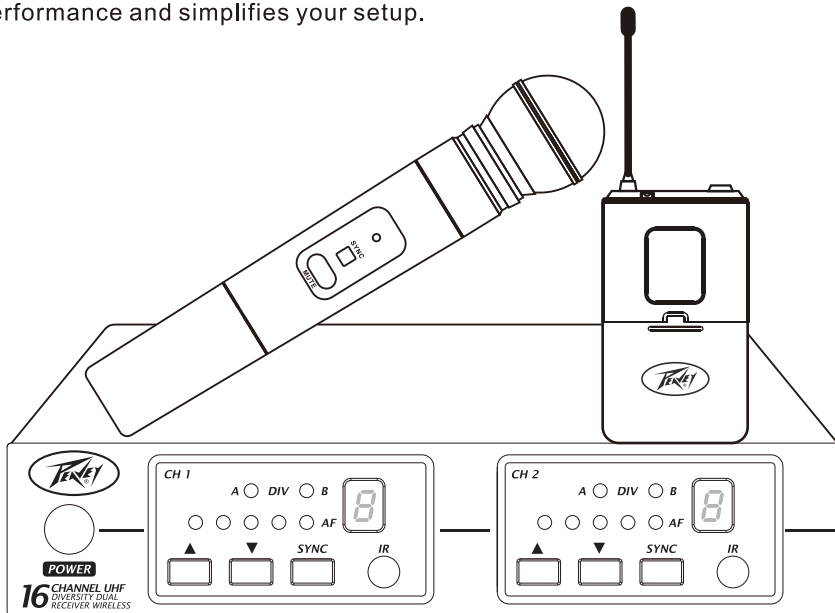
Introduction

Please read this manual thoroughly for correct operation and optimal performance.

In today's audio professionals, the demand for using lots of multi-channel wireless microphone systems simultaneously is greatly increasing.

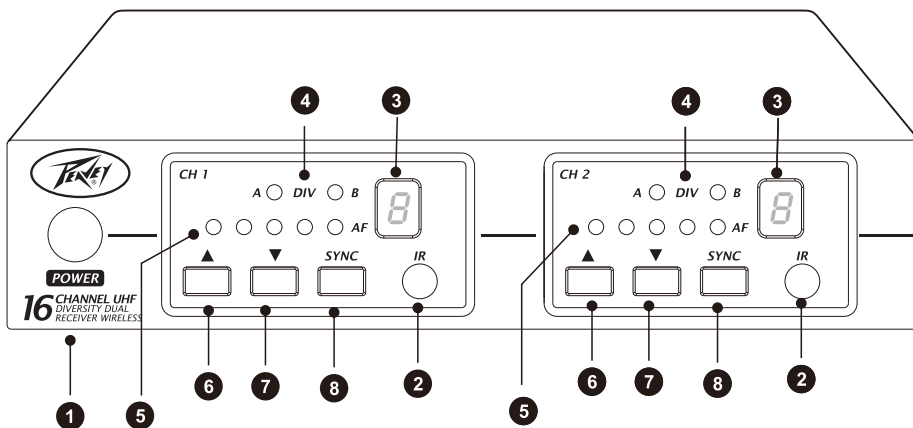
Furthermore, they would like to see professional systems with the capability of easy frequency agility, more non-interfering channels and interference-free operation.

Created for active musicians and presenters who also manage their own sound, PEAVEY PLL-16D Wireless microphone systems optimizes your performance and simplifies your setup.



PLL-16D Receiver Features

Front Panel



(1) Power Switch:

(2) Infrared(IR) port: Broadcasts IR signal to transmitter.

(3) Channel Indicator: To display system's receiving channel.

(4) DIV Indicator: Antenna receiver status indicator LED.

(5) AF1~AF5 Indicator: Indicate the audio signal level.

(6) ▲ : UP select button.

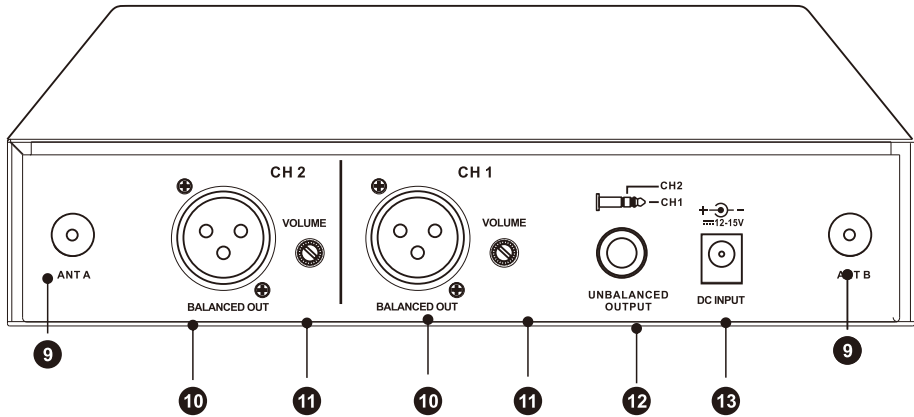
(7) ▼ : DOWN select button.

(8) IR button: Press to synchronize transmitter and receiver frequencies.

NOTE: WHEN ch1 AND Ch2 ARE IN THE SAME FREQUENCY BAND,
PLEASE DON'T SET THE SAME CHANNEL OF CH1 AND CH2.

PLL-16D Receiver Features

Back Panel



(9) ANT: TWO ANT FOR RECEIVER

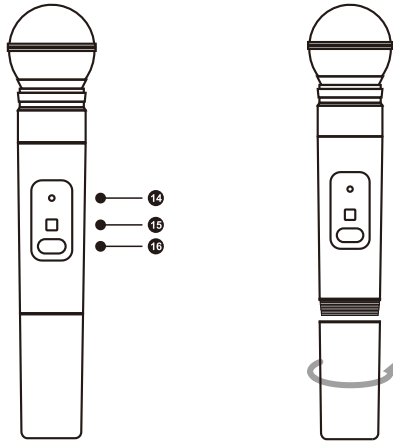
(10) *Balanced out Jack*: With Cannon / XLR type connector provides balanced audio output signal from this jack to the amplifier.

(11) *Volume Adjuster*: Adjusts the volume level of the *AUDIO OUT*.

(12) *Unbalanced out Jack: MIX OUTPUT*, With phone jack provides audio output signal from this jack to the amplifier, CH1 from the Tip, CH2 from the Ring.

(13) *DC Input Socket*: The input socket for 12-15V Volt DC power. Please note that the polarity of the central pin in the socket is positive(+).

UH-6 Handheld Transmitter



- (14) Power / IR / Mute indicator
- (15) Sync port: Receives infrared beam to synchronize frequencies
- (16) On-off / mute switch

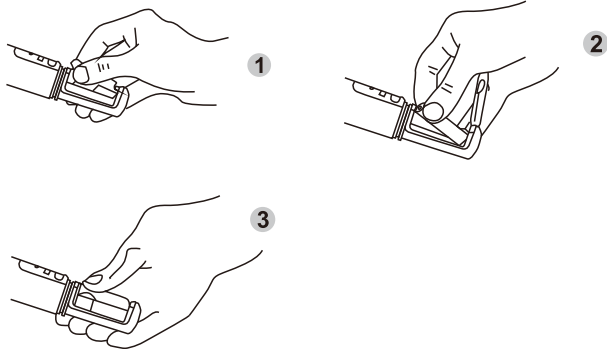
| | |
|-----------------------------------|--|
| Green | Ready |
| Flashing green | Controls locked |
| Amber | Mute on |
| Flashing red | IR transmitter in process |
| Glowing red | Battery power low |
| Pulsing red on startup | Batteries dead (transmitter cannot be turned on until batteries are changed) |
| Pulsing red after synchronization | Transmitter and receiver incompatible |

Press and hold to turn on or off. Press and release to mute or unmute.

Changing Batteries

* Expected life for alkaline batteries is approximately 8 hours.

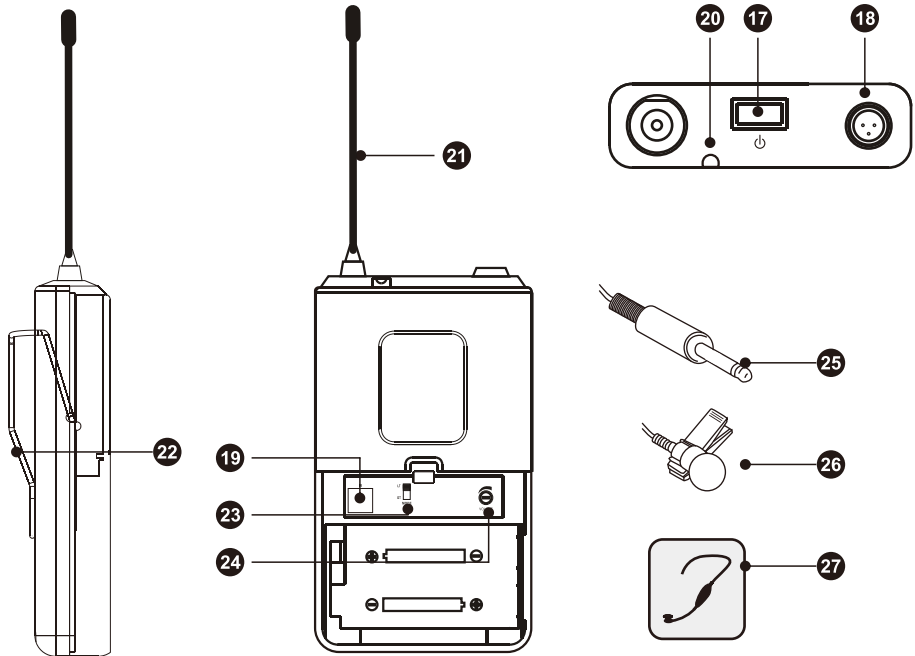
* When the transmitter light glows red, the batteries should be replaced immediately, as shown on the right.



PS: When the Transmitter is not in use:

Make sure the power of the microphone is off. If the microphone will not be used for some time, please remove the batteries from the battery compartment to avoid battery leakage and result in damaged battery springs and circuit.

UB-7 Bodypack Transmitter



(17) Power / Mute button

(18) MIC Jack

(19) IR Port

(20) *Power / IR / Mute indicator*

(21) Transmitter Antenna

(22) Detachable Belt Clip

(23) Mode with LT & GT

(24) Volume adjust

(25) Guitar Cable

(26) Lavalier Mic

(27) Headphone Mic

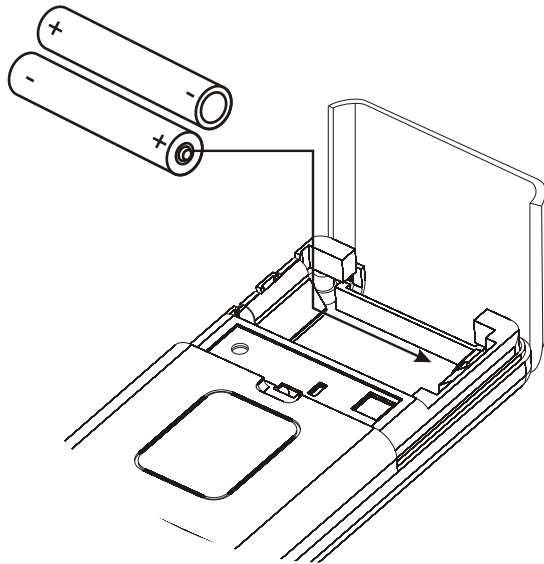
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UB-7 Bodypack Transmitter

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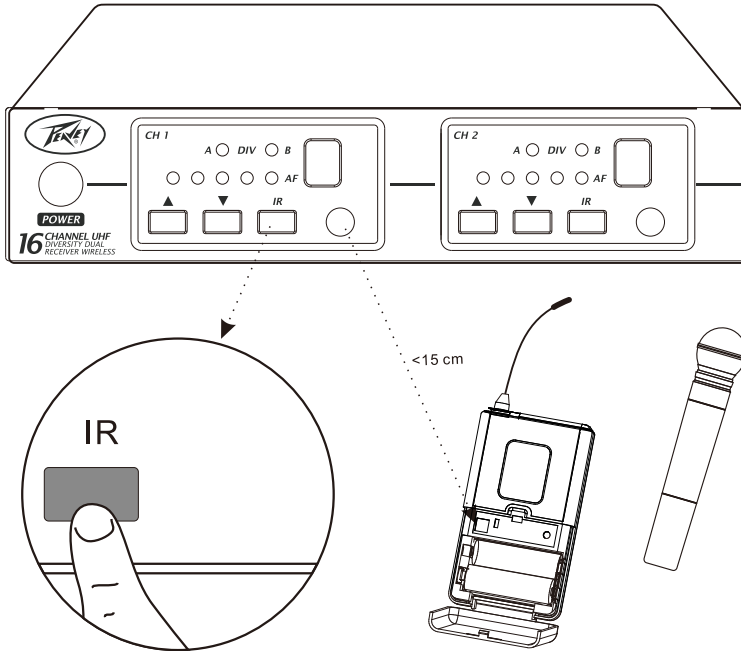
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PS: When the Transmitter is not in use:

Make sure the power of the microphone is off. If the microphone will not be used for some time, please remove the batteries from the battery compartment to avoid battery leakage and result in damaged battery springs and circuit.

UH-6 Handheld UB-7 Bodypack Transmitter



Automatic Transmitter Setup

Open the (UB-7) transmitter battery compartment to display the infrared (IR) port.
With the transmitter IR port exposed to the receiver, press IR

When the receiver ready light glows, the system is ready for use. Close the (UB-7) transmitter battery compartment.

Specifications

| System | FREQUENCY | UHF |
|-----------|---|--|
| | Audio Frequency Response +/-3dB | Minimum: 50 Hz Maximum: 18 KHz (Overall system frequency depends on microphone element.) |
| | Total Harmonic Distortion Ref. +/-30KHz deviation, 1KHz tone | 0.8%, typical |
| | Dynamic Range | >100dB A-weighted |
| | Working Range | 100m(300ft.) Note: actual range depends on RF signal absorption, reflection, and interference |
| RX | Oscillation Type | Microprocessor controlled PLL Synthesized |
| | Receiving Method | Diversity |
| | Frequency Stability | ±0.005% |
| | No. of Channel | Max. 16 (16 Channels) |
| | Max. Deviation | >±45KHz |
| | Sensitivity | -105 dBm at S/N ratio >12dB |
| | Pilotone Frequency | 32.768 KHz |
| | Image Rejection | >60dB |
| | Audio Outputs | Unbalanced: 360mV/5K Balanced: 25mV/600 |
| TX | RF Power Output | ≤ 30mW |
| | Spurious Emission | > 60dB below Carrier |
| | No. of Channel | Max. 16 (16 Channels) |
| | Pilotone Frequency | 32.768 KHz |
| | Battery | AA type x 2 |
| | Battery Life (Alkaline) | About 8 hours |

FCC NOTE:

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.

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS OR CHANGE TO THIS EQUIPMENT. SUCH MODIFICATIONS OR CHANGE COULD VOID AND CHANGE AN ANTENNA WHICH THE MANUFACTURER PROVIDES. IT IS THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

IC NOTE:

This device complies with Industry Canada licence-exempt RSS standard(s): Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.