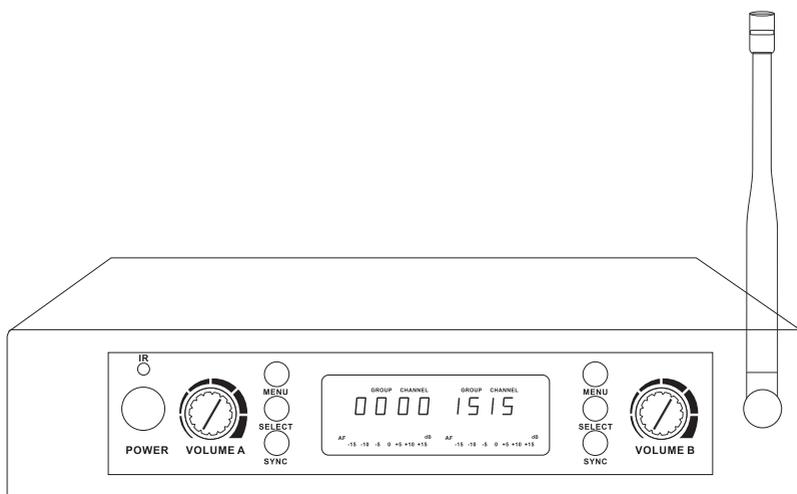


# UHF PLL MULTI CHANNELS WIRELESS MICROPHONE SYSTEM



UHF-6100

FCC ID:2AE6GUHF-6100

## USER'S MANUAL

PLEASE READ THIS MANUAL CAREFULLY BEFORE OPERATION

## INTRODUCTION

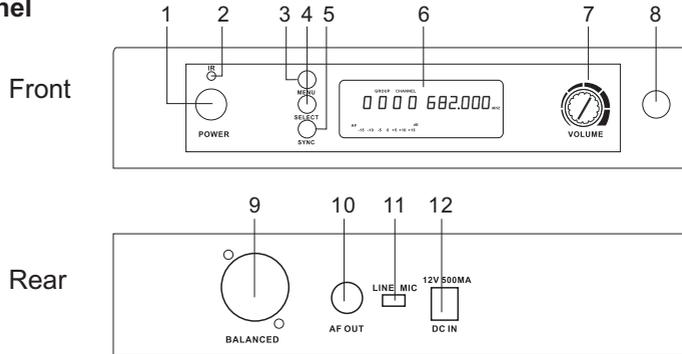
Thank you for choosing our UHF PLL multi channels wireless microphone system. Your new system is rugged, reliable, easy to set up and operate, and produces outstanding audio clarity. Whether you're a vocalist, guitarist or instrumentalist, this wireless system will show you how easy wireless can be, and how good wireless can sound. This user guide included with your system will tell you all you need to know to get your system working right away.

## FEATURES

1. Microcomputer controlled PLL synthesized oscillation circuit.
2. UHF high band with multi selectable frequencies.
3. Automatic transmitter setup.
4. Adopt high sensitivity and wide frequency response dynamic capsule to reproduce original sound.
5. Advanced compression circuit to avoid noise.
6. LCD display for easy operation.
7. Operating range is about 60M.

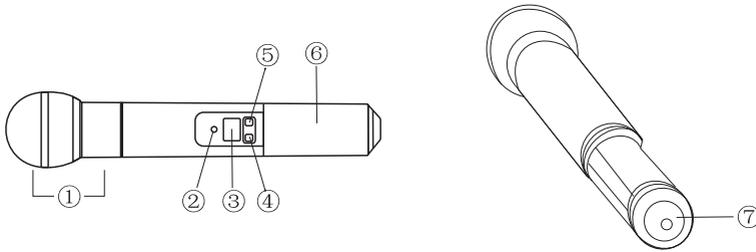
# RECEIVER PARTS DESCRIPTION

## Single Channel



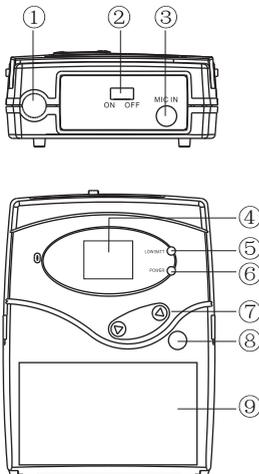
1. On/Off switch: Turn on/off the receiver.
2. Infrared (IR) port: Broadcasts IR signal to transmitter to synchronize frequencies.
3. Menu switch: Press to scroll through menu options.
4. Select switch: Press to select the currently displayed menu option.
5. Sync Button: Press to initiate IR connection between receiver and transmitter.
6. LCD display: display group, channel no, RF and AF level.
7. Volume control: Turn to adjust volume.
8. Antenna connector: To install supplied antenna here.
9. Individual Balanced XLR output
10. Mixed 1 / 4 " output jack
11. MIC/LINE switch
12. DC input jack

## HANDHELD MICROPHONE PARTS DESCRIPTION



1. Interchangeable microphone head
2. Power / Infrared(IR) /Mute indicator: Green-ready; Orange-mute on; Flashing orange-IR transmission in process
3. LCD screen: display group, channel number and battery power.
4. On-off / mute switch: Press and hold 1~2 seconds to turn microphone on or off. Press shortly to mute or unmute.
5. Select switch: To set up transmitter channel manually.
6. Battery cover/compartment
7. IR port: Receives infrared beam from receiver to synchronize frequencies.

## BODY PACK TRANSMITTER PARTS DESCRIPTION



1. Antenna
2. Power switch
3. MIC Input Jack
4. LCD screen: display channel number and battery power.
5. Low Battery/IR indicator  
Red: low battery;  
Flashing red-IR transmission in process
6. Power indicator: light green
7. Select switch: to set up transmitter channel manually.
8. IR port: Receives infrared beam from receiver to synchronize frequencies.
9. Battery compartment

# SYSTEM SETUP

**Note:** Transmitting devices such as cellular phones and two-way radios may interfere with wireless audio transmissions. Keep your transmitters and receivers away from these and other potential sources of interference.

1. Turn on receiver. LCD will light.
2. Channel A set up

## Group Selection

1. Press CH-A “MENU” button to move cursor to “GROUP SELECT”.
2. Press CH-A “SELECT” button to increase the group number by one.
3. When the correct group is displayed, either wait five seconds for the screen to time out, or press CH-A “SYNC” button.



## Channel Selection

1. Press CH-A “MENU” button again to move cursor to “CHANNEL SELECT”.
2. Then press CH-A “SELECT” button to increase the channel number by one.
3. When the correct channel is displayed, either wait five seconds for the screen to time out, or press CH-A “SYNC” button.



## Automatic Transmitter Setup

1. Turn on the first transmitter.
2. Open transmitter battery cover to display the infrared (IR) port.
3. Point transmitter IR port to receiver IR sensor.
4. Press “SYNC” button on receiver. CH-A antenna signal will display in receiver screen. Now channel A is ready.
5. Close the transmitter battery cover.



## 3. Channel B set up

Follow the same steps as described in step 2, press CH-B buttons to set up Channel B.

► **Be sure that only one transmitter IR port is exposed when synchronizing a system.**

## MANUAL SETUP OF TRANSMITTER FREQUENCY

You can set up transmitter frequency manually also.

1. Press and hold the “SELECT” button until GROUP and CHANNEL displays begin to alternate.
2. To change the group setting, release the “SELECT” button while GROUP is displayed. While GROUP is flashing, press “SELECT” button to increase the group number by one.
3. To change the channel setting, release the “SELECT” button while CHANNEL is displayed. While CHANNEL is flashing, press “SELECT” button to increase the channel number by one.



## SPECIFICATIONS

### RECEIVER

Frequency Range: USA : 682~694.75MHz

Frequency Stability: 10ppm

Sensitivity: 13dBuV

Adjacent channel rejection: 75dB

Image rejection: 95dB

Audio Output: 200MV

Output Impedance: XLR connector: 200Ω; 1 / 4 inch connector: 1k Ω

S/N ratio: 100dB

Total Harmonic Distortion: <0.1%

Frequency response: 50Hz-15KHz

Operating Range: 100m( in line and sight area)

Power supply: DC12V/500mA

### TRANSMITTER

Frequency Range: USA : 682~694.75MHz

Frequency Stability: 10ppm

Transmitting power: 10mW

Spurious emission: >65dB

Modulation: FM

Max modulation: 75K

Power supply: 3V (2 AA batteries)

Current consumption: 120mA

NOTE: 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.

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.

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.