

Thank you for choosing our UK4000 Microphone System, which provides 4 reliable microphones and a UHF receiver for ultimate wireless quality and versatility. This unit has 200 selectable frequencies and you can use up to 20 sets at one time without worrying about interference. Please read the instructions carefully before use to avoid damage and to get the best performance from your purchase.

## SAFETY INSTRUCTIONS

1. Do not expose the unit to rain or moisture.
2. Ensure that mains voltage is as stated on the charger and use the provided charger.
3. Avoid ingress of water into the microphones or receiver. Stop using it immediately when liquids ingress.
4. Use 2xAA alkaline batteries to operate the microphone. Make sure that batteries are installed correctly.
5. Keep all parts out of sunlight and away from heat sources.
6. Do not place heavy objects on top of the receiver or microphones.
7. Keep all parts away from damp or dusty surroundings.
8. Avoid impact or heavy vibration to any of the components, dropping can cause damage to the unit.
9. Do not disassemble the unit yourself.
10. Use a soft and dry cloth to clean.
11. Unplug and turn off the unit when not in use and before cleaning.
12. Do not modify the unit, which may cause serious damage to people or property.

### WARNING

Use of improper voltage may result in hazardous conditions and damage to the UK4000, which are not covered in the warranty.

## TECHNICAL SPECIFICATION

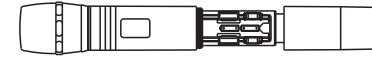
### Receiver:

Receiver mode: Selectable frequencies  
 Number of frequencies: 200  
 Frequency range: UHF 500-600MHz  
 Transmission rate: 204.8Ksps  
 Sensitivity: -94dBm  
 S/N: 90dB  
 Frequency response: 50-15Khz  
 Power Requirement: AC 110V/220V, 50Hz  
 Power Adapter: 110-240V, 50-60Hz  
 Modulation Mode: 4FSK

### Transmitter:

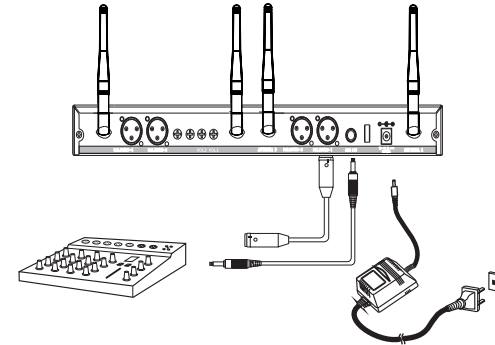
Microphone: Dynamic (Hand-Held)  
 Antenna: Built-in  
 Frequency Stability : 0.005%  
 Transmitting power: ≤10dBm  
 Battery required( not included): 2x AA alkaline batteries

## OPERATION



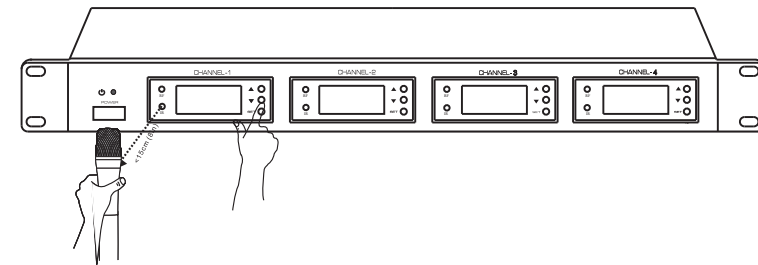
1. Remove the battery cover and insert 2xAA alkaline batteries. Make sure that batteries are correctly installed. Then replace the cover.

Please replace with new batteries immediately when batteries are low.



2. Insert the antenna into the antenna port and rotate the end until it clicks into place. Then rotate the pole to a vertical position.

Then plug the AC adapter into the DC power input on the rear panel of the receiver. Connect the AC adapter to AC100-240V 50-60Hz outlet. Then connect the microphone system to the powered mixer equipment through the XLR outputs or the mix output.

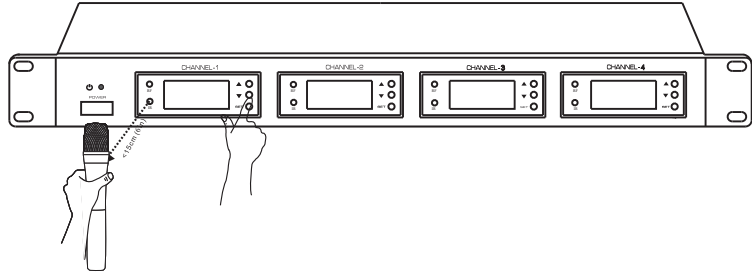


3. Turn on the receiver and the microphone. Check if the microphone and the receiver have the same frequency. If not, refer to FREQUENCY SETTING section and sync the microphone and receiver.

If you use multiple sets together and want to change the frequency, please set each receiver channel to different frequency first. Then turn on one microphone and sync. After it is synced, turn on another microphone and repeat until all microphones are synced.

# FREQUENCY SETTING

## (1) Manual frequency setting

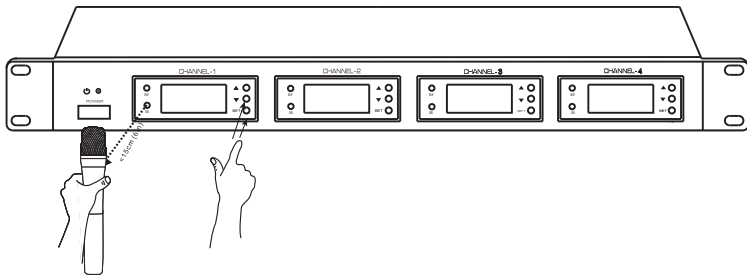


The microphone system has four channels and please adjust the frequency and sync one by one.

1. Press ▲ button or ▼ button to find a desired frequency for channel 1. When the frequency number is flashing, press SET button to lock the frequency.
2. Turn on one transmitter, face the IR sensor on the transmitter directly to the IR indicator on channel 1 and then press SET button. The IR indicator flashes and transmitter and receiver begin to sync.
3. Check if there is RF signal on the LCD screen. If not, repeat step 2.
4. Turn off the transmitter and repeat the above steps for channel 2,3 and 4.

Note: Frequency will not be changed if you fail to lock the frequency when the frequency number is flashing. Besides, the receiver will exit the syncing mode if the transmitter is not paired with the receiver when IR indicator is flashing.

## (2) Automatic frequency setting



The microphone system has four channels and please adjust the frequency and sync one by one.

1. Long press ▲ button and SET button or long press ▼ button and SET button simultaneously for channel 1. Then system will scan and choose an available frequency which is free of interference.
2. Turn on one transmitter, face the IR sensor on the transmitter directly to the IR indicator on channel 1 and then press SET button. The IR indicator flashes and transmitter and receiver begin to sync.
3. Check if there is RF signal on the LCD screen. If not, repeat step 2.
4. Turn off the transmitter and repeat the above steps for channel 2,3 and 4.

Note: Frequency will not be changed if you fail to lock the frequency when the frequency number is flashing. Besides, the receiver will exit the syncing mode if the transmitter is not paired with the receiver when IR indicator is flashing.

**IMPOTANT: Be sure that only turn on one transmitter at a time when synchronizing.**

# FEATURES

## (1) Wide-band UHF Digital Transmission

The system features 200 selectable frequencies, which reduces interference and allows you to use up to 20 sets at a time.

## (2) Micro Computer CPU Control

The system is controlled by micro computer and has higher stability than the traditional. It adjusts or auto-searches the frequency intelligently with less error and more accuracy.

## (3) Clear LCD Display

All operations can be displayed on the LCD screen for easy and visible control. You can see the frequency, channel, battery level of the transmitter, RF signal strength, audio signal strength.

## (4) Infrared Data Transmission and Digital Sync Technology

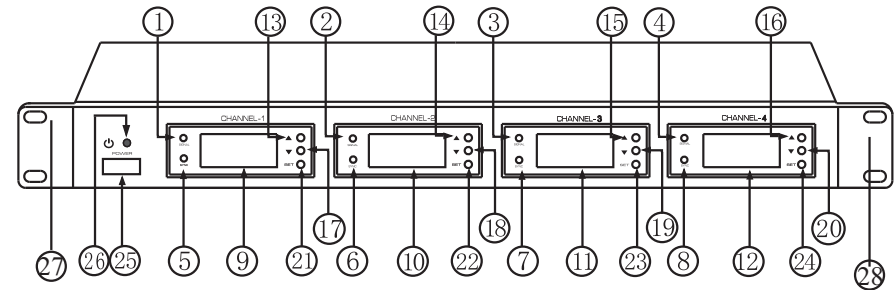
IR transmission function has less interference and ensures clear frequencies. Besides, the receiver syncs with the transmitter automatically when the LCD screen of the transmitter is faced to the receiver LCD.

## (4) Automatic Frequency Search & Manual Frequency Selection

There are two ways to adjust the frequency: Automatic frequency search & Manual frequency selection. Automatic frequency search is easy and convenient to use, while manual selection allows you to set the frequency according to your needs.

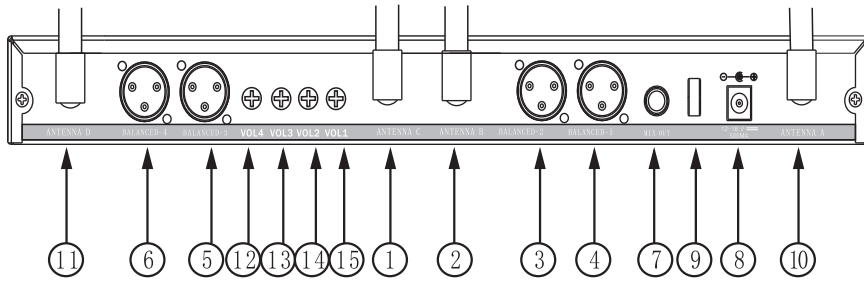
# RECEIVER OVERVIEW

## Front panel



- (1)(2)(3)(4) RF signal indicator
- (5)(6)(7)(8) IR signal indicator
- (9)(10)(11)(12) LCD display
- (13)(14)(15)(16) ▲ button: Press to go to next frequency.
- (17)(18)(19)(20) ▼ button: Press to go to previous frequency.
- (21)(22)(23)(24) SET button: Use it to sync the microphone and the receiver channel or adjust the frequency (auto-search & manual selection).
- (25) Power switch
- (26) Power indicator: Indicator lights on when plugged in and lights off when the receiver is turned on.
- (27)(28) Mounting rack

## Rear panel



(1)(2)(10)(11)UHF Antenna: It receives RF signal from the transmitter. Keep it vertically for optimum reception. Obstacles between the receiver and transmitter may affect the reception. High power electrical equipment can cause unwanted interference.

(3)(4)(5)(6)Balanced XLR output

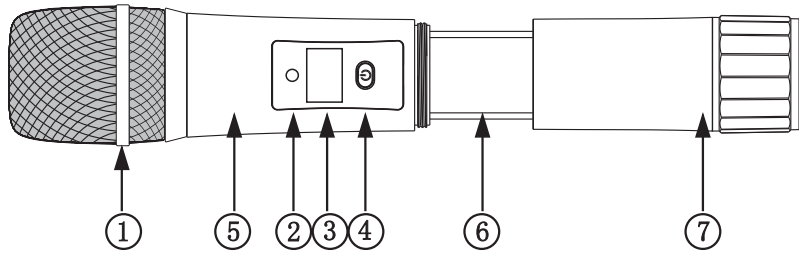
(7)Mix output: 1/4"(6.35mm) unbalanced output

(8)DC power input: DC 12-18V 500mA

(9)Power line winder: You can wind the power cable to prevent accidental removal of the cable.

(12)(13)(14)(15)Volume knob: Rotate clockwise to increase the volume and counterclockwise to decrease the volume.

## TRANSMITTER OVERVIEW



(1)Microphone grille

(2)IR sensor

(3)LCD screen: To indicate the current frequency, channel, battery.

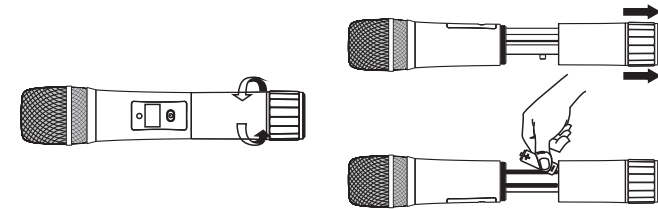
(4)Power switch: Press to turn on the microphone; Press and hold to turn off the microphone.

(5)Microphone body

(6)Battery compartment:Insert 2xAA alkaline batteries

(7)Battery cover

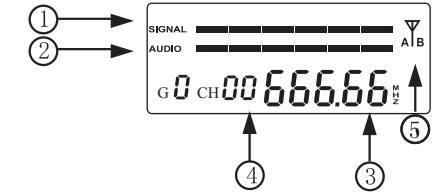
## Replace the battery



Replace the old batteries with new ones when batteries are low.

## SYSTEM SETUP

### Receiver LCD display function



(1)Radio frequency(RF) signal level

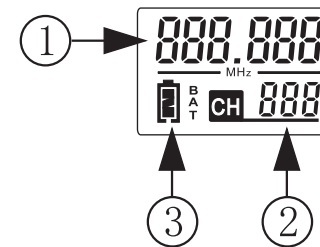
(2)Audio frequency(AF) signal level

(3)Frequency

(4)Channel

(5)Antenna A and B indicator: To indicate which antenna the system chooses. The system picks up audio signal from one antenna at a time.

### Handheld transmitter LCD display function



(1) Frequency

(2) Channel

(3) Battery level indicator



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### Federal Communications Commission (FCC) Statement

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.

**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.

Warning: Changes or modifications made to this device not expressly approved by OPALUX ELECTRONICS MFY. CO., LTD. may void the FCC authorization to operate this device.

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

## Wireless microphone system

(UK4000)  
User Manual