



# **Wicom E**

Full-Duplex Wireless Intercom Headset System

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## **User Manual**

## **Introduction:**

The CKMOVA Wicom E system is a full-duplex wireless intercom system featuring Environmental Noise Cancellation (ENC) suitable for loud environments.

The system includes single-ear headset version and dual-ear headset version for different condition choice.

The system features A & B group isolate settings to separately communicate each group remote headsets, and a wired connection two master headsets enables communication up to 16 remote headsets.

The system provides reliable transmission to all the wireless headsets at a line-of-sight range of up to 400m---making it well suited for a variety of applications, including public and sporting events, film and video production, TV & concerts and live events.

## Available Combo:

### **Wicom E S3**

(one single-ear master headset + two single-ear remote headsets)

### **Wicom E S5**

(one single-ear master headset + four single-ear remote headsets)

### **Wicom E S7**

(one single-ear master headset + six single-ear remote headsets)

### **Wicom E S9**

(one single-ear master headset + eight single-ear remote headsets)

### **Wicom E D3**

(one dual-ear master headset + two dual-ear remote headsets)

### **Wicom E D5**

(one dual-ear master headset + four dual-ear remote headsets)

### **Wicom E D7**

(one dual-ear master headset + six dual-ear remote headsets)

### **Wicom E D9**

(one dual-ear master headset + eight dual-ear remote headsets)

## Available Combo:

### **Wicom E SM5**

(one single-ear master headset + two single-ear remote headsets + two dual-ear remote headsets)

### **Wicom E SM9**

(one single-ear master headset + four single-ear remote headsets + four dual-ear remote headsets)

### **Wicom E DM5**

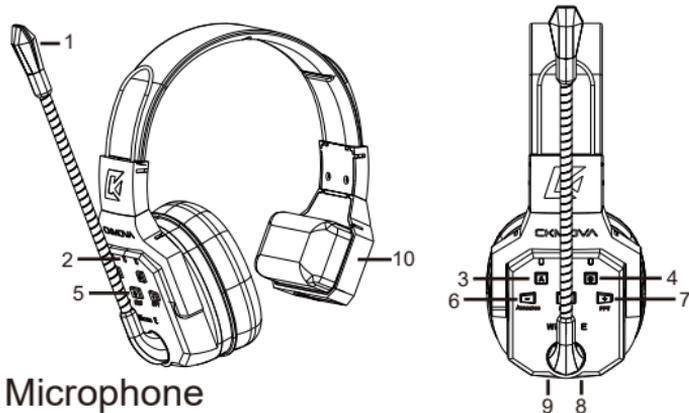
(one dual-ear master headset + two single-ear remote headsets + two dual-ear remote headsets)

### **Wicom E DM9**

(one dual-ear master headset + four single-ear remote headsets + four dual-ear remote headsets)

# Product Structure:

## 1. Wicom E SM: Single-ear Master Headset



1. Microphone

2. Status Indicator (Group A; Power; Group B)

### **Group A Indicator:**

Double blinking: under pairing status

Single blinking: disconnected

Static: connected

Dim: Group A isolation

### **Power Indicator:**

Blue led: >10% power

Red led: <10% power

Purple led: ENC on

Blinking led: charging battery

Static led: battery full

### **Group B Indicator:**

Double blinking: under pairing status

Single blinking: disconnected

Static: connected

Dim: Group B isolation

### 3. Group A Button

Long press button for pairing remote headset

Short press button for isolating group B remote headset

### 4. Group B Button

Long press button for pairing remote headset

Short press button for isolating group A remote headset

### 5. Power & ENC Button

Power On: long press

Power Off: long press

ENC On & Off : short press

### 6. “-” & Announce Button

“-” : short press button for decreasing the volume

Announce: long press and hold

### 7. “+” Button & PPT Button

Short press button for increasing the volume

PPT On & Off : long press about 3 seconds

### 8. Type-C Charging port

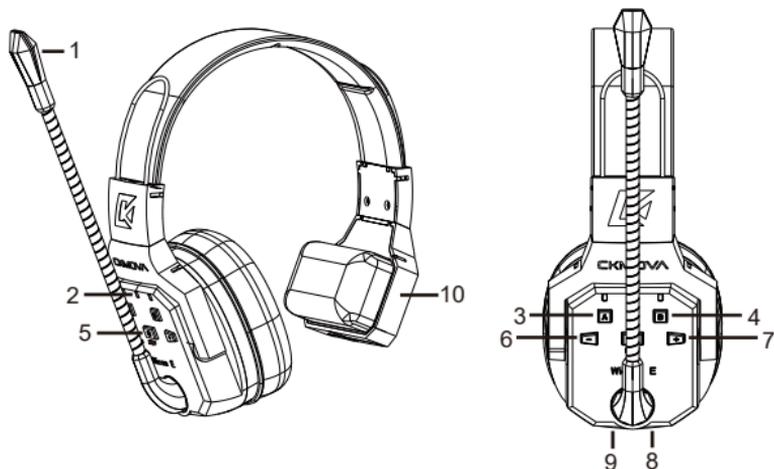
### 9. Audio Output

For two master wired connection

For computer connection

### 10. Battery Compartment

## 2. Wicom E SR: Single-ear Remote Headset



### 1. Microphone

### 2. Status Indicator (Group A; Power; Group B)

#### **Group A Indicator:**

Double blinking: under pairing status

Single blinking: disconnected

Static: connected

#### **Power Indicator:**

Blue led: >10% power

Red led < 10% power

Purple led: ENC on

Blinking led: charging battery

Static led: battery full

#### **Group B Indicator:**

Double blinking: under pairing status

Single blinking: disconnected

Static: connected

### 3. Group A Button

Long press button for pairing master headset Group A

Short press button for switching to group A

### 4. Group B Button

Long press button for pairing master headset Group B

Short press button for switching to group B

### 5. Power Button & ENC Button

Power On: long press

Power Off: long press

ENC On & Off : short press

### 6. “-” Button

Short press button for decreasing the volume

### 7. “+” Button

Short press button for increasing the volume

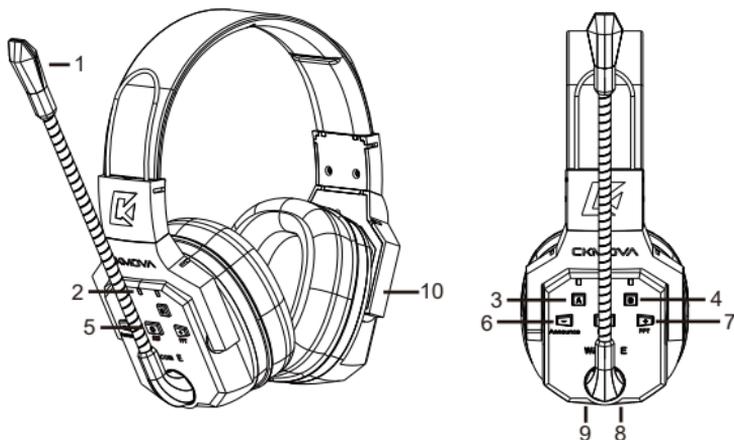
### 8. Type-C Charging port

### 9. Audio Output

Unavailable

### 10. Battery Compartment

### 3. Wicom E DM: Dual-ear Master Headset



#### 1. Microphone

#### 2. Status Indicator (Group A; Power; Group B)

##### **Group A Indicator:**

Double blinking: under pairing status

Single blinking: disconnected

Static: connected

Dim: Group A isolation

##### **Power Indicator:**

Blue led: >10% power

Red led < 10% power

Purple led: ENC on

Blinking led: charging battery

Static led: battery full

##### **Group B Indicator:**

Double blinking: under pairing status

Single blinking: disconnected

Static: connected

Dim: Group B isolation

### 3. Group A Button

Long press button for pairing remote headset

Short press button for isolating group B remote headset

### 4. Group B Button

Long press button for pairing remote headset

Short press button for isolating group A remote headset

### 5. Power & ENC Button

Power On: long press

Power Off: long press

ENC On & Off : short press

### 6. “-” & Announce Button

“-”: short press button for decreasing the volume

Announce: long press and hold

### 7. “+” Button & PPT Button

Short press button for increasing the volume

PPT On & Off : long press about 3 seconds

### 8. Type-C Charging port

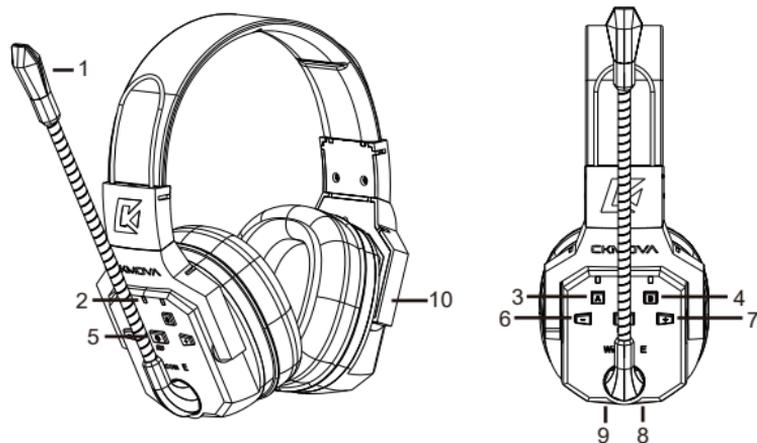
### 9. Audio Output

For two master wired connection

For computer connection

### 10. Battery Compartment

## 4. Wicom E DR: Dual-ear Remote Headset



### 1. Microphone

### 2. Status Indicator (Group A; Power; Group B)

#### **Group A Indicator:**

Double blinking: under pairing status

Single blinking: disconnected

Static: connected

#### **Power Indicator:**

Blue led: >10% power

Red led < 10% power

Purple led: ENC on

Blinking led: charging battery

Static led: battery full

#### **Group B Indicator:**

Double blinking: under pairing status

Single blinking: disconnected

Static: connected

### 3. Group A Button

Long press button for pairing master headset Group A  
Short press button for switching to group A

### 4. Group B Button

Long press button for pairing master headset Group B  
Short press button for switching to group B

### 5. Power Button & ENC Button

Power On: long press  
Power Off: long press  
ENC On & Off : short press

### 6. “-” Button

Short press button for decreasing the volume

### 7. “+” Button

Short press button for increasing the volume

### 8. Type-C Charging port

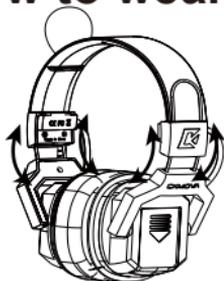
### 9. Audio Output

Unavailable

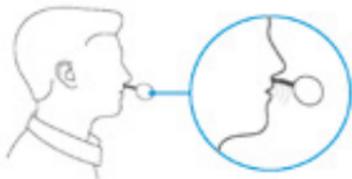
### 10. Battery Compartment

# Operation Guide:

## How to wear headset

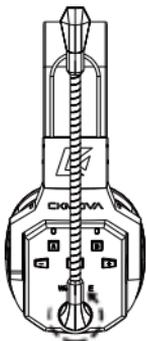


1. Adjust the headset to the comfortable size and position

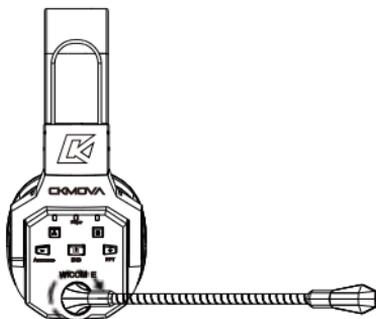


2. Adjust the microphone 2cm away from your mouth for optimal audio

## Headsets Mute



 : Mute On



 : Communication

# Frequency Band Selection

There are five frequency band versions as below:

|                    |              |
|--------------------|--------------|
| Standard Version:  | 1880-1900MHz |
| American Version:  | 1920-1930MHz |
| Brazilian Version: | 1910-1920MHz |
| Japanese Version:  | 1893-1906MHz |
| Taiwanese Version: | 1880-1895MHz |

Make sure the master headset is power off, long press group A button then press power button, till the group A led light is blinking that mean enter “selecting frequency band status”, short press “+” & “-” to select frequency band, then short press group B button save & exit.

Make sure the remote headset is power off, long press group A button then press power button, till the group A led light is blinking that mean enter “selecting frequency band status”, short press “+” & “-” to select frequency band, then short press group B button save & exit.

After selecting the new frequency band, then you need to pair the remote & master headset as regular operation way.

Noted: The factory default frequency band for each market complies with local regulatory requirements. It is not recommended to switch the frequency band unless you take the headsets to other region.

## Headsets Pairing

The default is paired before leaving factory, if they are disconnected or adding more remote headsets to master, please follow the below steps:

- (1): Make sure the master headset and remote headset are powered on
- (2): Long press master headset Group A or Group B button then related indicator double blinking that mean master headset is under pairing, then long press remote headset Group A or Group B then related indicator double blinking that mean the remote headset is under pairing too  
Later the remote headset indicator become static then the remote headset is paired; The master headset is always under paring until short press related Group A or Group B button then quit pairing.
- (3): Timeout quit pairing: If not scan master or remote headset, the master & remote headset will quit pairing after 120 seconds, then related indicator become single blinking.

## Clearing headsets paired

Long press group A button on master headset for about 3 seconds till the A light blinking, then short press “+” button 7~10 times on master headset till the A&B lights blinking together and change to off, then waiting to clear the connection to all remote headsets.

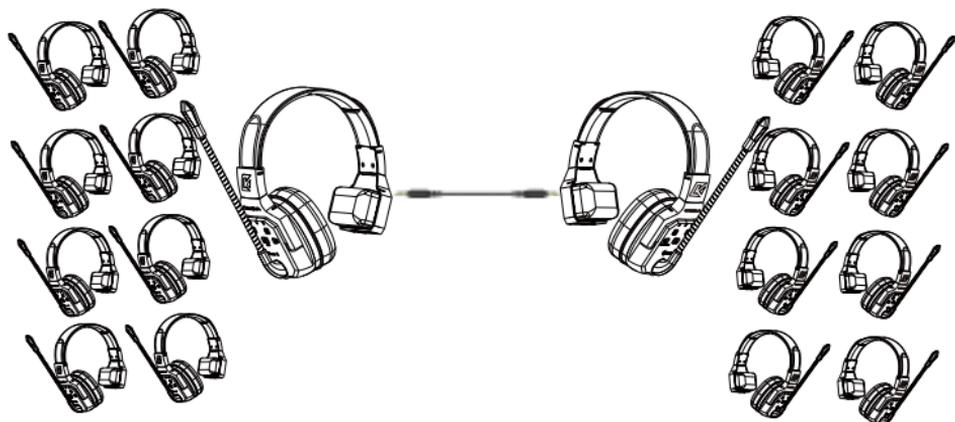
Noted:

1. Each Group can have a maximum of eight remote headsets paired simultaneously
2. Each master can have a maximum of eight remote headsets paired simultaneously

After paired master & remote headsets keep connected code, so no need to re-pair again in next time

## Headsets Expanding

Expandable system up to 18 headsets for connecting via AC-T3C(not included) to two master headsets

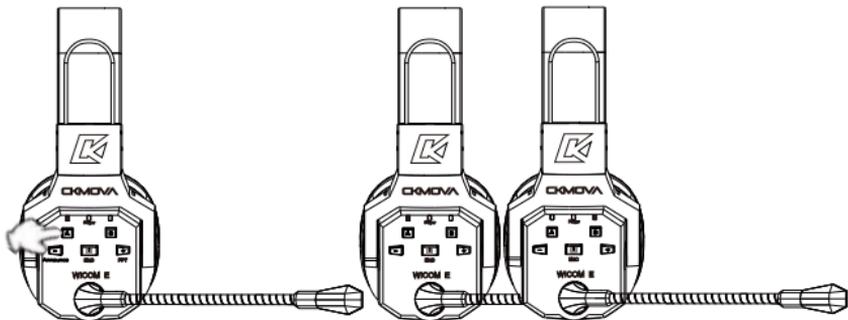


## A & B Group Isolate Setting

Short press Group A button on master headset enables isolate all Group B remote headsets, then the master headsets can only communicate with Group A remote headsets.

Short press Group B button on master headset enables isolate all Group A remote headsets, then the master headsets can only communicate with Group B remote headsets.

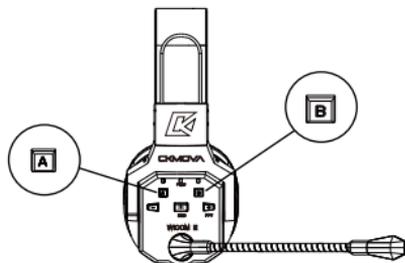
Noted: The remote headset still enables internal communication between isolated group remote headsets



## A & B Group Manage Setting

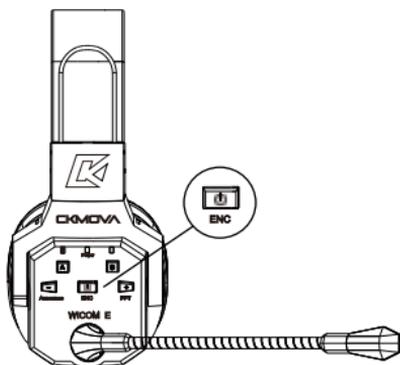
The remote headset conveniently switch to group A or group B  
(group A + group B up to 8 remote headsets)

Noted: Before manage group, make sure the headset is paired



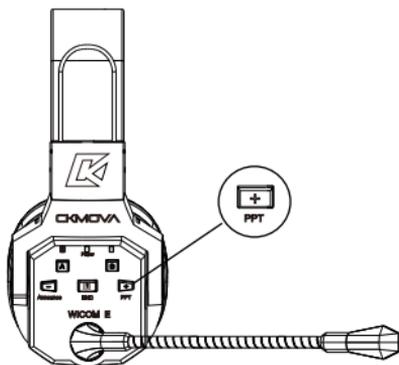
## ENC

Short press power button on master or remote headset then entering ENC functions, it helps to reduce ambient noise, enables the users using in some loud noise environments, short press again then exit.



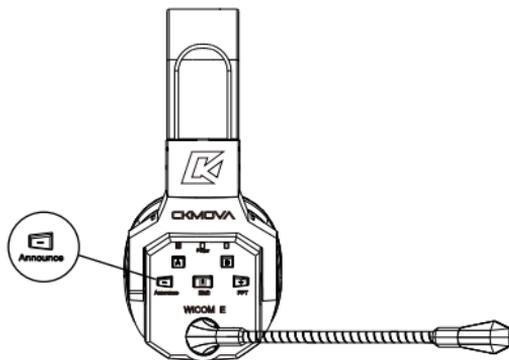
## PPT Talk

Long press “+” button on master headset about 3 seconds then entering PPT talk mode, it enables the master headset user hear their voice when talking, long press about 3 seconds again then exit.



## ANNOUNCE

Long press and hold “-” button on master headset then activating this function, all remote headsets are instantly muted, allowing the entire team to only hear the instructions from master headset, release button then exit.



## Cloud Meetings

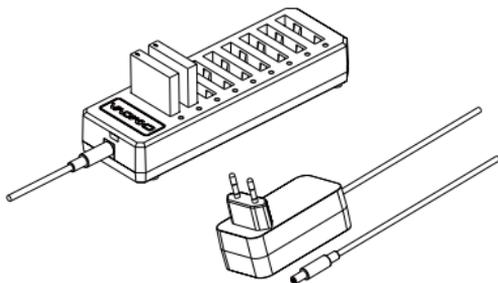
Master headset connect computer via AC-T3C(not included) for cloud meetings



## Battery charging

Please charge the battery when battery is low

1. Charge the battery via charger



2. Charge the battery via headset type-c port directly

## Specifications:

|                        |  |
|------------------------|--|
| Frequency Band         | Standard Version: 1880-1900MHz<br>American Version: 1920-1930MHz<br>Brazilian Version: 1910-1920MHz<br>Japanese Version: 1893-1906MHz<br>Taiwanese Version: 1880-1895MHz |
| Duplex Mode:           | Full-Duplex  |
| Modulation:            | GFSK   |
| Microphone Type:       | Condenser Microphone   |
| Operation Range:       | 1312ft(400m)   |
| Frequency Response:    | 300Hz-5kHz   |
| Distortion:            | <1%  |
| SNR:                   | 65dB and more  |
| RF Output Power:       | <24dBm   |
| Power Consumption:     | <0.5W  |
| Battery Capacity:      | 1000mAh  |
| Charging Time:         | 2 Hours  |
| Battery Life:          | Remote headset: 10 hours<br>Master(work with 4 remote): 6 hours<br>Master(work with 8 remote): 5 hours   |
| Dimensions:            | 195*145*28mm(Master&Remote)  |
| Weight:                | 360g(12.7oz)   |
| Operating Temperature: | -10℃~50℃   |
| Storage Temperature:   | -20℃~55℃   |

# Packing List

## Wicom E S3

Wicom E SM headset x 1  
Wicom E SR headset x 2  
BL-5C battery x 3  
Type-C charging cable x 3  
AC-HC3 carry suitcase x 1  
User Manual x 1  
Warranty Card x 1

## Wicom E S5

Wicom E SM headset x 1  
Wicom E SR headset x 4  
BL-5C battery x 5  
AC-BC9 battery charger x 1  
AC-HC3 carry suitcase x 1  
User Manual x 1  
Warranty Card x 1

## Wicom E S7

Wicom E SM headset x 1  
Wicom E SR headset x 6  
BL-5C battery x 7  
AC-BC9 battery charger x 1  
AC-HC4 carry suitcase x 1  
User Manual x 1  
Warranty Card x 1

## Wicom E S9

Wicom E SM headset x 1  
Wicom E SR headset x 8  
BL-5C battery x 9  
AC-BC9 battery charger x1  
AC-HC4 carry suitcase x1  
User Manual x 1  
Warranty Card x 1

## **Wicom E D3**

Wicom E DM headset x 1  
Wicom E DR headset x 2  
BL-5C battery x 3  
Type-C charging cable x 3  
AC-HC3 carry suitcase x 1  
User Manual x 1  
Warranty Card x 1

## **Wicom E D5**

Wicom E DM headset x 1  
Wicom E DR headset x 4  
BL-5C battery x 5  
AC-BC9 battery charger x 1  
AC-HC3 carry suitcase x 1  
User Manual x 1  
Warranty Card x 1

## **Wicom E D7**

Wicom E DM headset x 1  
Wicom E DR headset x 6  
BL-5C battery x 7  
AC-BC9 battery charger x 1  
AC-HC4 carry suitcase x 1  
User Manual x 1  
Warranty Card x 1

## **Wicom E D9**

Wicom E DM headset x 1  
Wicom E DR headset x 8  
BL-5C battery x 9  
AC-BC9 battery charger x1  
AC-HC4 carry suitcase x1  
User Manual x 1  
Warranty Card x 1

## **Wicom E SM5**

Wicom E SM headset x 1  
Wicom E SR headset x 2  
Wicom E DR headset x 2  
BL-5C battery x 5  
AC-BC9 battery charger x 1  
AC-HC3 carry suitcase x 1  
User Manual x 1  
Warranty Card x 1

## **Wicom E SM9**

Wicom E SM headset x 1  
Wicom E SR headset x 4  
Wicom E DR headset x 4  
BL-5C battery x 9  
AC-BC9 battery charger x 1  
AC-HC3 carry suitcase x 1  
User Manual x 1  
Warranty Card x 1

## **Wicom E DM5**

Wicom E DM headset x 1  
Wicom E SR headset x 2  
Wicom E DR headset x 2  
BL-5C battery x 5  
AC-BC9 battery charger x 1  
AC-HC4 carry suitcase x 1  
User Manual x 1  
Warranty Card x 1

## **Wicom E DM9**

Wicom E DM headset x 1  
Wicom E SR headset x 4  
Wicom E DR headset x 4  
BL-5C battery x 9  
AC-BC9 battery charger x 1  
AC-HC4 carry suitcase x 1  
User Manual x 1  
Warranty Card x 1

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