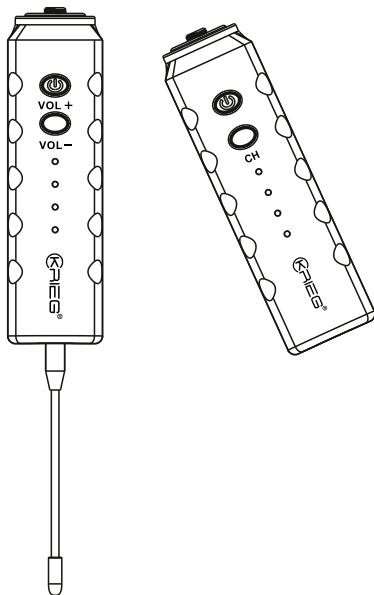




KTR2

UHF WIRELESS
MICROPHONE SYSTEM
CAMERA AND INSTRUMENTS

USER MANUAL



Thank you for your choosing on our products. Please do read this manual carefully before use.

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REMINDER

Please do read this manual carefully before using.

Wireless microphones can scatter radio energy, please do follow the instruction to install and operate in case causing harmful influence. Do abide local radio regulations when using wireless microphones. We can offer you frequency of 660-960 MHz products, and please choose specific range according with local radio regulations; otherwise, you will take full responsibility of all consequences.

I. BRIEF INTRODUCTION

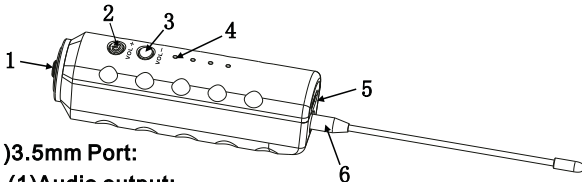
We develop this high quality microphone system for better and convenient use for customers, to expand the activity space of users. Compact receiver and wireless saxophone transmitter, easy operation, powerful functions are very suitable for personal live stream, interview, etc.

II. MAIN FEATURES

- * Use for live stream, interview (double users), recording (phone, camera, PC, DV, etc), monitor, etc.
- * Single chips designed, 15 channels for selecting.
- * Lithium battery, for long use.
- * Ideal distance: 30 meters in open space.
- * Support 2 ways input or output.

III. RECEIVER, TRANSMITTER PARTS & PAIRING OPERATION

1. Receiver



1) 3.5mm Port:

- (1) Audio output;
- (2) Earphone output;
- (3) Record to phone, camera, PC, DV, etc;

2) Power Switch/Pairing/VOL+:

- (1) Click once to boot up;
- (2) Long press to shut down;
- (3) Long press to enter Pairing setting when device is shut;
- (4) Click to increase VOL when on working state (0~10 degrees, no display, but the indicators will flash once when in max VOL.)

3) VOL-: Click to reduce VOL when on working state (0~10 degrees, no display, but the indicator will flash once when in min VOL.)

4)LED Indicator:

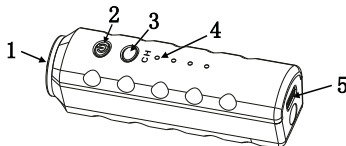
- (1)Device is on: LED_1 keeps red;
- (2)Receiving state: shows recent channel, LEDs keep green;
- (3)Pairing setting: LED_1 flash red and green alternately, then turns green when Pairing successfully;
- (4)Low power: LED_1 keeps flashing red, it only shows low power but no others in this state;
- (5)Current channel LEDs flash once when press VOL+ or VOL- in the state of max or min VOL; VOL+ or VOL- can be used only in state of receiving.
- (6)Charging state: LED flashes red by sequence when charging; All LEDs are green when fully charged. Device can't work when charging.

5)Charging Port:

- (1)For earphone monitoring, its volume is double as 3.5mm port;
- (2)For charging;

6)Receiving Antenna;

2. Transmitter



1)3.5mm Port: microphone input;

2)Power Switch/Pairing:

- (1)Click once to boot up;
- (2)Long press to shut down;
- (3)Long press to enter Pairing setting when device is shut;

3)Unlock/Channel Select:

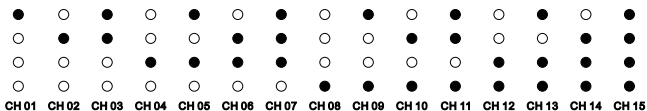
- (1)Click once to exit when in Pairing setting;
- (2)Long press to unlock when in working state, it will auto lock when no operation;
- (3)Click to switch channel in unlock state.

4) LED Indicator

- (1) Normal working state: current channel LEDs are green;
- (2) Unlock state: current channel LEDs flash;
- (3) Pairing setting: LED_1 flash red and green alternately, manually exit the setting by clicking ;
- (4) Low power: LED_1 keeps flashing red, it only shows low power but no others under this state;
- (5) Charging state: LED flashes red by sequence when charging; All LED are green when fully charged. Device can't work when charging.

3. Channel Select LED Groups Diagram

15 channels for selecting, LED groups on receiver and transmitter as below.



4. Pairing Setting

Long press power switch until LED_1 flashing red and green alternately, then loose switch. Pairing is successful when receiver LED_1 turns and keeps green, then click CH button once on transmitter to exit Pairing setting, LED stop flashing, finally device can properly work. (NOTE: Device can be continually used after done successful paring once.)

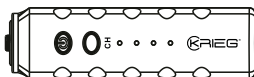
5. Switch Channel Operation

In state of receiver and transmitter successfully SNYC, long press CH button on transmitter to unlock device, change the frequency by pressing button once when LED flashing each time; After finishing selecting channels 6 seconds, LED stops flashing and device locks this channel.

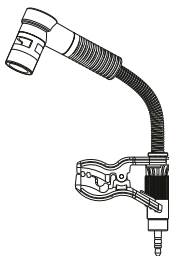
IV. RECEIVER, TRANSMITTER ACCESSORIES



Receiver



Transmitter

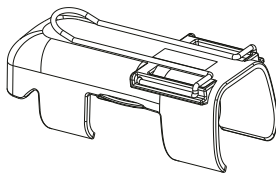


V2 Condenser Microphone

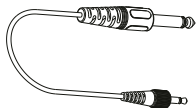
OPTIONAL



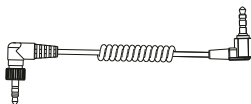
Hotshoe Mount



Bodypack Clip



6.35 TO 3.5 Connect Cable



**Camera/Cell Phone
Connect Cable**



USB C - USB C Recharge Cable

V. TECHNIQUE SPECIFICATION

● COMPREHENSIVE PER

CARRIER FREQUENCY: UHF 660-690 MHz

FREQUENCY STABILITY: $< \pm 30\text{ppm}$

DYNAMIC RANGE: $>90\text{dB}$

HARMONIC DISTORTION: $< 0.5\%$

FREQUENCY RESPONSE: 40Hz ~15KHz $\pm 3\text{dB}$

AUDIO OUTPUT: ①3.5mm : 250mV @100mV 1KHz

②USB : 500mV @100mV 1KHz

● RECEIVER

S/N RATIO: $>90\text{dB}$

FAKE INTERFERENCE THAN : $>80\text{dB}$

AJACENT WORD INTERFERENCE THAN : $>80\text{dB}$

RECEIVING SENSITIVITY : $>10\text{ dBu}(\text{Sinad}=30\text{dB})$

CONTINUOUS USING TIME : 6 hour

POWER SUPPLY : VOLTAGE 5V

CURRENT $>500\text{mA}$

● TRANSMITTER

TRANSMITTER POWER : 30mW

MODULATION TYPE : DQPSK

MAX DEVIATION : 40dB

CONTINUOUS USTING TIME : 6 hour

POWER SUPPLY: VOLTAGE 5V

CURRENT $>500\text{mA}$



WARNING

- Do place receiver in open space, so that it can receive signal better;
- Do not throw the device;
- Do not place device under rain or drop it into water;
- Keep device away from sunshine or electromagnetic field;
- Do insert batteries in right way, and remove the m if device is idle for long time;
- Cut off power supply before battery replacement;
- Pull out power adaptor from power supply if receiver is idle for long time;
- Do not take apart device without permission, in case users are injured;
- Device doesn't contain any part for self refitting, otherwise, warranty will be void;
- Use soft cloth to clean device, if there's any stubborn stain, clean it with neutral detergent but not volatile gasoline or thinner;
- Keep at least 30CM space around device for better ventilating;
- Do not cover ventilation hole with paper, tablecloth or curtain;
- Do not put fire on device like burning candle;
- Keep device away from water drops, or any container with liquid like vase;
- Do not use new and old batteries at the same time, besides, replace them with same kind batteries; Discarding batteries to specific recycling bin;
- Working temperature: 5° C- 60° C;

Please try below methods to solve interfered problem when using wireless microphones

Adjust place or direction of the antenna;

Keep away from radio or TV;

Do not plug in same electrical socket outlet with radio or TV;

The best angle is 45° for mouth and microphone when speech, in order to reduce affected by airflow from mouth;

Using 1 microphone when 1 sound input, otherwise sound will be mixed;

Keep distance of mouth and microphone less than 15CM because of cardioid pickup, otherwise bass is not good;

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