

Vocal X

2.4G Dual Channel Wireless Microphone

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Introduction:

The Vocal X is a ultra-compact 2-persoan digital wireless microphone system. It offers entire solution for interviews, dialogue, live streaming, speech with two people simultaneously, and work with Mirrorless & DSLR camera, smartphone, computer, mixer and much more.

The System boasts a range of powerful features, including 3.5mm headphone output, switchable Mono & Stereo, switchable Mic & Line input and OLED display on transmitter & receiver.

The clip-on transmitter is compact & lightweight to directly clip on clothing and shirts, with built-in omnidirectional microphone and a external AC-VM1/VM1W lavalier microphone for multiple recording scenarios.

The CKMOVA is able to provide mature and stable 2.4GHz technical solutions to ensure stable signal transmission and deliver high-quality audio, it makes Vocal X become the clients priority choice.

Available Combo:

Vocal X V1 (TX+RX): One Transmitter + 3.5mm Receiver Vocal X V2 (TX+TX+RX): Two Transmitters + 3.5mm Receiver **Vocal X V1W**(TXW+RXW): One Transmitter + 3.5mm Receiver

Vocal X V2W(TXW+TXW+RXW): Two Transmitters + 3.5mm Receiver Noted: : If using an Android phone, please set the "OTG Connection" to "ON." The OTG connection menu is usually in the "Additional Settings" in your phone setting menu

Highlights:

• Ultra-compact broadcast quality 2.4G wireless microphone system Dual channel receiver for camera, mobile devices, computer, mixers

- OLED display on both transmitter and receiver
- 100M stable working distance(without obstacles) • 5 ms Low latency
- Mono & Stereo output switchable
- 3.5mm headphone real-time monitor Mic & Line Input switchable
- Internal & External Mic selectable
- 10 hours battery life with Type-C charging port

Quick Start Guide:

- . Long press for 3 seconds to turn on Transmitter and Receiver Factory default is paired.
- 2. If not paired, follow the below pairing instructions Long press Pair button on Transmitter for 3 seconds, then

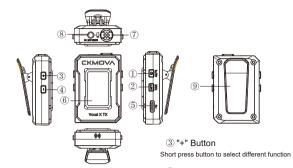
icon will be flashed that mean entering Pairing mode, then long press Pair button on Receiver for 3 seconds with the same entering Pairing. If paired the transmitter and receiver will exit from Pairing model, the received on screen. Meanwhile the received display will show transmitter battery indicator, mic gain level

- 3. Connect the Receiver to camera, mixer with supplied TRS to TRS output cable, connect smartphone supplied TRS to TRRS output cable, or other devices with the correct output cable
- 4. The receiver should now be connected to the transmitters. To check, you can connect headphones to headphone monitor on receiver and listen for audio

For a more detailed description of component controls, functions and setup, please continue reading this manual.

Product Structure:

1. Vocal X TX/TXW: Beltpack Transmitter



- ④ "-" Button ⑤ Type-C Charging Port
- ② Set & Pair Button 6 OLED Display
- ② Set & Pair Button
 et Function: Short press button to enter the function
 ontrol interface. Then short press button to confirm.

 ③ Mic & Line Input

Pair Function: Long press button to enter the pairing model, if paired then automatically exit. When already paired, long press button transmitter disconnect with

3.5mm Microphor model, if paired then automatically exit. When already paired, long press button transmitter disconnect with eiver, long press again then connect and exit.

⑤ Type-C Charging Port D Power & Mute Button OLED Display Display details refer to "OLED Display Real wer On & Off: Long press button for 3 seconds te On & Off: Short press button

⑦ 3.5mm Headphone Output

Pair Function: Long press button to enter the pairing model, if paired then automatically exit. When already apaired, long press button receiver disconnect with both transmitters, long press again then connect and exit.

③ "+" Button

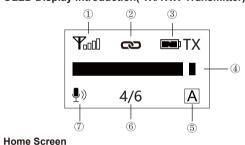
2.Vocal X RX/RXW: Clip-On Receiver

nort press button to select different function

3. Vocal X HM: Handheld Holder For Transmitter



OLED Display Readouts OLED Display Introduction(TX/TXW Transmitter)



If no any operation within 5 seconds, the display automatically return to the home screen

① RF Level Indicator

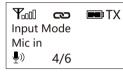
- ② Pairing Indicator
- : Paired If without this icon will be disconnected
- 3 Battery Level Indicator
- Please recharge device when the indicator start flashing for low power
- ④ Audio Input Dynamic Bar
- **⑤** Group Channel Default is A Channel
- 6 Mic Gain 7 Input Mode
- 」): Mic Input : Line Input
- : Mic Input Mute On

: Line Input Mute On

Mic Gain Screen Yall © ■TX Mic Gain

₽» 4/6 Audio Input level from 0 to 6.

Mic Gain Screen



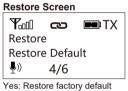
Mic input and Line input can be switchable based on you need. Default is Mic Input

Backlight Mode Screen



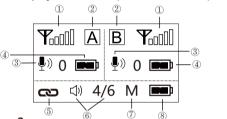
Backlight with 3 level: "ON" for long light; "30S" for 30s light; "60S" for Default is ON

Vocal X V1W



NO: Exit without any operation

OLED Display Introduction(RX/RXW Receiver)



Home Screen If no any operation within 5 seconds, the display automatically return to the home screen

- ① RF Level Indicator for Transmitter
- ② Group Icon
- A : A channel is connected A: A channel is disconnected

③ Transmitter's Mic Gain

- B : B channel is connected B : B channel is disconnected
- W : Mute on 4 Transmitter's Battery Level Indicator Please recharge device when the indicator start flashing for low power
- reminding 5 Receiver's Pairing Indicator
- : Paired If without this icon will be disconnected

6 Receiver's Volume Level

: Mute On

① Power & Mute Button

2 Set & Pair Button

Power On & Off: Long press button for 3 seconds Mute On & Off: Short press button

7 Output Mode **8 Receiver's Battery Level Indicator**

Please recharge device when the indicator start flashing for low power

Volume Screen



Receiver output volume level from 0 to 6. Default is 4

Volume Screen

Output Mode Mono

ට 4/6 M **■**

Mono and Stereo output can be switchable based on you need. Default is Mono

Backlight Mode Screen

Backlight Mode രാ 🗘) 4/6 M 💻

Backlight with 3 level: "ON" for long light; "30S" for 30s light; "60S" for Default is ON

Restore Screen

Restore Restore Default **ට** 4/6 M **=**

Yes: Restore factory default NO: Exit without any operation

Specifications:

Transmission Type:	Digital 2.4GHz
Modulation:	GFSK
Frequency Response:	20Hz-20KHz
Operation Range:	100m (328')
Latency:	< 5 ms
Max Systems per Setup:	9
Sample Rate/Resolution:	32kHz/24-Bit
Audio Input:	3.5mm TRRS Female Mic & Line
	Input or Internal Microphone
RF Output Power:	10mW
Mic Polar Pattern:	Omnidirectional
Sensitivity:	-33±3dB (0dB=1V/Pa,at 1KHz)
SNR:	80dB SPL
Power Requirements:	Built-in Li-ion Battery or Type-C DC 5\
Approx Battery Life:	10 hours
Internal Battery Capacity:	600mAh
Battery Charging Time:	2.5 hours
Operating Temperature:	0℃ to 50℃
Dimensions:	56*38*17mm(TX/RX)
Weight:	30g (TX/RX)

Packing List:

Vocal X RX receiver *1 Vocal X TX transmitter *1 3.5mm TRS to TRS output cable *1 3.5mm TRS to TRRS output cable *1 Built-in mic windscreen furry *1 AC-VM1 omnidirectional lavalier microphone *1 Type-C to Type-A charging cable *2 Storage bag *1 User Manual *1 Warranty Card *1

Vocal X V2 Vocal X RX receiver *1 Vocal X TX transmitters *2 3.5mm TRS to TRS output cable *1 3.5mm TRS to TRRS output cable *1 Built-in mic windscreen furry *2 AC-VM1 omnidirectional lavalier microphone *2 Type-C to Type-A charging cable *3 Storage bag *1 User Manual *1 Warranty Card *1

Vocal X V1

Vocal X RX receiver *1 Vocal X TX transmitter *1 3.5mm TRS to TRS output cable *1 3.5mm TRS to TRRS output cable *1 Built-in mic windscreen furry *1 AC-VM1W omnidirectional lavalier microphone *1 Type-C to Type-A charging cable *2 Storage bag *1 User Manual *1 Warranty Card *1

Vocal X V2W Vocal X RX receiver *1 Vocal X TX transmitters *2 3.5mm TRS to TRS output cable *1 3.5mm TRS to TRRS output cable *1 Built-in mic windscreen furry *2 AC-VM1W omnidirectional lavalier microphone *2 Type-C to Type-A charging cable *3 Storage bag *1 User Manual *1 Warranty Card *1

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

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.

is encouraged to try to correct the interference by one or more of the following measures:

- —Increase the separation between the equipment and receiver Connect the equipment into an outlet on a circuit different from that to which
- -Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled

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 ECC 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

-Reorient or relocate the receiving antenna.