

A photograph of a modern conference room with a white ceiling, recessed lighting, and a large screen displaying a hot air balloon scene. Rows of white chairs are visible in the foreground.

User Guide

Wireless Microphone



www.weonex.com

Anhui Wenxiang Information Technology Co.,Ltd.

General Introduction

The WX-WM520 delivers exceptional, broadcast-quality sound to smartphones, tablets, computers, DSLR, camcorders, recorders, and other audio/video recording devices. It features capabilities of low-latency and up to 100 metres of operating range. WX-WM520 is ideal for instrument recording, live streaming, vlogging, mobile journalism and more.

Built-in omnidirectional microphone, the transmitter is small and light enough to clip to shirts and clothing, or you can use it as a belt-pack transmitter with the included lavalier microphone.

The included charging case allows you to charge the transmitter(s) anywhere and can be recharged or powered via the USB-C DC 5V port.

The WX-WM520 system operates on the 2.4GHz spectrum and automatically hops to free channels to avoid static noise and audio dropouts.

Statement

Please read this manual carefully before using and strictly operate and store it in accordance with the instructions. Please save the manual for your future reference. If you need further assistance than the user manual, please consult your retailer for help.

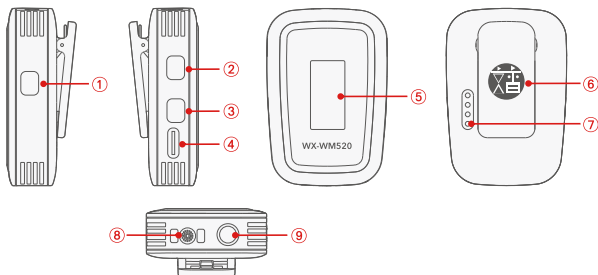
Cautions

1. Non-professional teardown is strictly prohibited.
2. Please keep it away from heat sources such as heaters or ovens.
3. Do not remove the battery without professionals' help.
4. Please clean the device with only a soft, dry cloth.
5. When using and storing, please keep away from the dust and moisture.
6. For the best pick-up pattern, do not hold your hand against the microphone capsule cover.

Product Structure

WX-WM520 TX:

Body-pack Transmitter with OLED Display and Microphone



① Power/Mute button

Function	Operation
Power ON/ OFF	Press and hold for 2 seconds
Mute ON/ OFF	Press

② +/-SET Button

Function	Operation
+	On home screen, short press to increase mic gain. On menu screen, short press to select different functions or values shown on the display.
SET	On home screen, long press to enter the menu screen. On menu screen, long press to enter the displayed menu. Then, long press again to confirm your option.

③ - Button

Function	Operation
—	On home screen, short press to decrease mic gain. On menu screen, short press to select different functions or values shown on the display.
BACK	On menu screen, long press to return to home screen.

④ USB-C Charging Port (DC 5V)

⑤ OLED Display

Display menus, please refer to "OLED Display Introduction" for more details.

⑥ Belt Clip

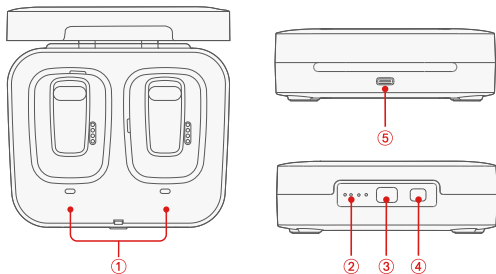
⑦ Charging Contacts

⑧ Built-in Microphone

⑨ Mic/ Line Input Jack

It can be connected to the 3.5mm lavalier microphones, and other 3.5mm microphones or line-in devices.

WX-WM520 Charging Case:



① Transmitter Charging Indicator

Charging = Static red (Transmitter's battery level indicator flashes in cycle.)

Fully charged = Light off (Transmitter's battery level indicator is static and full.)

② Case Power Capacity Indicator

Indicator	Status
	Charging (Blinks blue light in cycle)
	Full charged
	Current battery level (75%)
	Low battery (25%)
	Battery runs out/ Case closed
	Charging Microphone(s) in the case (Blinks blue light for 1 minute)

③ OPEN Button

④ Case Battery Detection Button

Press the button, then the power capacity indicator of the charging case lights up, showing the current remaining battery.

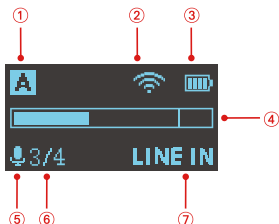
Note: Press the detection button as case closed, and its power capacity indicator will light on for 3 seconds then off.

⑤ USB-C Charging Port (DC 5V)

Note: The transmitter will automatically turn on after opening the charging case and turn off after being placed in the case for 5 seconds or closing the case for 1 minute.

OLED Display Introduction

WX-WM520 TX



Home Screen

If no operation is performed within 20 seconds on menu screens, the display will automatically return to home screen.

① Channel Group Icon

A B The channel A/B is successfully paired.

A B The channel A/B is unpaired.

? Channel is unknown. (usually occurs when the transmitter restores default settings)

② RF Level Indicator

Indicates the current signal level.

Full Signal Signal is strong (Paired successfully)

Weak Signal Signal is weak (Paired successfully)

No Signal No signal (Disconnected)

③ TX's Battery Level Indicator

Displays the TX battery level. Please recharge the device immediately when the blank indicator starts flashing.

④ Audio Input Level Meter

Displays the audio input level.

⑤ Mute Indicator of Mic

Mute ON **Mute OFF**

⑥ Mic Gain

On home screen, press +/- button to adjust the volume of microphone. The setting is retained even after the power is turned off.

⑦ TX's Input Mode

Displays the what input mode of the TX transmitter is currently set to, either MIC IN or LINE IN.

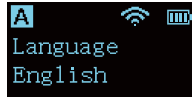
Menus Introduction



Mic Gain: Adjust the microphone's input gain level from 0 to 4. Default is "4".



Input Mode: The input mode can be selected to Mic In or Line In. When the input mode is Mic In mode, the transmitter can be connected to the included lavalier microphone, or other microphones with a 3.5mm output. When the input mode is Line In mode, the receiver can be connected to line-level output devices. The system's default is "Mic In".



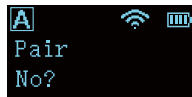
Language Setting: English or 简体中文 (Chinese) are available. Default is English.



Restore Default Setting
 Yes: restores default settings
 No: exits restore default settings



Set Mute Key: Enable or Disable mute key button function. Default is "Enable".



Pair Setting: For details of operation, please refer to "Operation Guide"

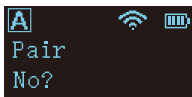


Set Backlight: Set backlight to Always On or On for 10, 30, or 60 seconds. Default is "On".

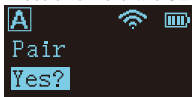
Operation Guide

1. Press and hold for 2 seconds to power on the transmitter(s), and follow below steps to make the transmitter(s) into pairing status:

- ① Press and hold the SET button to enter menu screen.
- ② Use the + or -button to display the Pair setting menu.



- ③ Press and hold the SET button to select the menu.



- ④ Select "Yes", press and hold the SET button to confirm, then the transmitter(s) will enter pairing status.

2. Turn on your mobile machine for recording and broadcasting, please refer to the user manual comes with your machine.

3. Pairing

Step ①:

Enter 0×55 0×01 0×02 to check the current status code of your machine.

Status code	Indicating status
0×55 0×02 0×03 0×01	Unpaired or paired unsuccessfully
0×55 0×02 0×03 0×03	Pairing
0×55 0×02 0×03 0×02	Paired successfully

Step ②:

If you get the code indicating unpaired or paired unsuccessfully:

- 1) Enter 0×55 0×01 0×01 to send a pairing command to your machine.
- 2) Follow Step ① to check the current status code of your machine.
- 3) If you get the unpaired code again, please follow Step 1) to send a pairing command to your machine again.
- 4) Follow Step ① to check the current status code of your machine.

5) If you still get the unpaired code, please follow the above steps.

If you get the status code indicating pairing but there is no transmitter(s) to pair with, the machine will automatically exit pairing mode after 120 seconds. You can follow the above steps to pair it with the transmitter(s).

4. You are ready to record

Specifications

WX-WM520 TX

Display	OLED
Transmission Type	2.4GHz Digital Frequency
Modulation	Digital Modulation
Polar Pattern	Omnidirectional
Antenna	Built-in Antenna
Operating Range (Without Obstacles)	>100m
RF Output Power	<10mW
Distortion	≤ 0.1%
Frequency Response	20Hz-20KHz
Reference Audio Input Level	-20~-42dBu (MIC Input, 0dB Gain)
Signal-to-Noise Ratio	>84dB
Audio Input Connector	3.5mm MIC IN/LINE IN
Battery Specifications	3.7V/400mAh
Power Requirements	Built-in Li-ion Battery or Charging Contact or USB-C DC 5V
Built-in Battery Life	Approx. 10 hours
Weight	1.04oz (29.5g)
Dimensions	2.20×1.49×0.61" (56×38×15.5mm)
Operating Temperature	0°C to 50°C
Storage Temperature	-10°C to 50°C

WX-WM520 Charging Case

Power Requirements	USB-C Port
Power Capacity	2000mAh
Case's Charging Time	<3 hours
Charge Cycle Times for Microphones	2 times
Weight	6.98oz(198g)
Dimensions	4.84×3.91×1.51'' (123x99.5x38.5mm)
Operating Temperature	0°C to 50°C
Storage Temperature	-10°C to 50°C

Packing Contents

2× Transmitter
2× Fur Windshield for Transmitter
1× Charging Case
1×USB-C Charging Cable