



GVM Official Website



Facebook

Huizhou Latu Film Equipment Co., Ltd.

Web: www.gvmled.com

B&H Email: bh@gvmled.com

GVM Email: support@gvmled.com

Amazon Email: amazonsupport@gvmled.com

Warehouse Address: 12285 MCNULTY RD, STE 105 PHILADELPHIA, Pennsylvania 19154, USA



GVM

GVM-MIC-LM2

GVM-MIC-LM2S

CONTENTS

Product Features	1 page
Disclaimer	1 page
Product Parameters	2 page
Product Handling Instructions	3~6 page
TFT screen icon and LED light function introduction	7~8 page
Instructions	9~10 page
Package Contents	11 page
Precautions	12 page
Security Information	13~14 page
Product Warranty	15~16 page

PRODUCT FEATURES

1. Built-in microphone with extension cable supported.
2. 2.4G wireless transmission, stable signal, low distortion, low delay, highly realistic reproduction of human vocals.
3. Intelligent noise reduction algorithm, which can meet the sound pickup requirements of any complex environment.
4. The receiver's TFT screen displays the transmitter's input intensity / audio strength, which elegantly and accurately shows the audio level of the subject.
5. The microphone has an internal recording function and a built-in large-capacity memory space, which can be used as a voice recorder without fear of data loss due to unstable connection with the receiver or accidental data loss, making video recording or interviews safer.
6. Support USB TYPE-C digital audio and 3.5mm TRS analog audio output, compatible to use with: mobile phones, computers, mirrorless cameras, camcorders and other recording equipments.
7. Equipped with 3.5mm headphone monitoring output, which supports real-time monitoring.
8. Physical EQ switch, one-click to initiate human vocal enhancement.
9. High, medium and low three-stage volume control presets, makes it convenient for users to choose the right volume for the scene.
10. With a large battery capacity storage box, it will meet the demands for long operation hours during travels, live broadcast, and interviews, you shall no longer trouble by short battery life.

DISCLAIMER

1. Before using this product, please read the text carefully to ensure proper operation of the product. Failure to follow and operate in accordance with the instructions and precautions in this article may cause injury to you and the people around you, or even damage the product or other surrounding items.
2. Once you use this product, it is deemed that you have carefully read the disclaimer and precautions, understood and recognized all the terms and contents of this statement, and promise to take full responsibility for the use of this product and possible consequences.
3. Design and specifications are subject to change without notice.

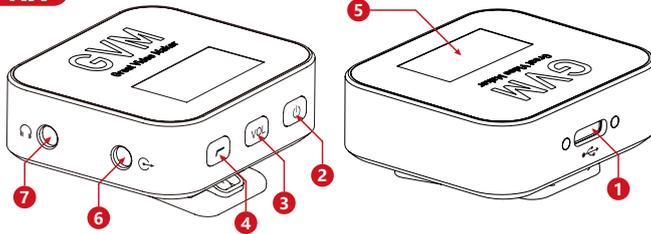
PRODUCT PARAMETERS

- ◆ Working Frequency: 2.4-2.4835GHZ
- ◆ Power Supply: 3.7V lithium battery
- ◆ Pickup Sensitivity: -40DB +/-2dB
- ◆ Maximum Sound Pressure level (SPL): 125DB SPL
- ◆ Frequency Response: 20HZ-20KHZ
- ◆ Input Signal To Noise Ratio: ≥ 73 DB 1KHZ/1PA
- ◆ Transmit Power: 10dBm
- ◆ Receiving Sensitivity: -94dBm
- ◆ Modulation: GFSK $\pi/4$ DQPSK
- ◆ Transmission Bandwidth And Sampling Rate: 16bit 48KHZ
- ◆ Audio Output: Stereophonic
- ◆ Delay: ≤ 20 mS
- ◆ Transmission Distance: ≥ 100 m
- ◆ Automatic Shut-down: Automatically shut down after 5 minutes when the battery power is lower than 3.3V or no connection.
- ◆ Charge Limit Voltage: 5.2V
- ◆ Charging Time: 1.5H
- ◆ Battery Life: LM2: RX>10H; TX>10H (No recording); TX>5H (Recording)
LM2S: RX>6H; TX>6H
- ◆ Storage Box Battery Capacity: It can charge TX RX fully more than 3 times.
- ◆ Standby Power Consumption: ≤ 35 uA

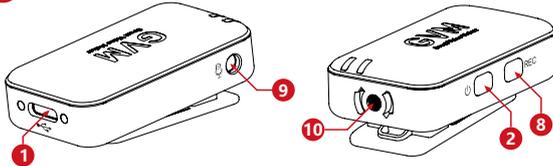
PRODUCT HANDLING INSTRUCTIONS

GVM-MIC-LM2

RX



TX



1 USB Type-c port (TX RX):

- 1 Charging (TX RX).
- 2 Connect to a computer or mobile phone for USB microphone (RX) function.
- 3 Connect to the computer to read the internal recording file (TX).

2 ON/OFF (TX RX):

- 1 Long press on/off (2 seconds).
- 2 Press and hold for 5 seconds to enter pairing when the device is powered off.
- 3 Press and hold for 5 seconds to reset to factory default settings while its power-on.

3 Volume key / mute key (RX):

- 1 Short press to adjust the volume. The volume is divided into three levels: low, medium and high. (Reboot after shutting down will Recall its previous settings before shutdown.)
- 2 Long press for 2 seconds to mute, the mute symbol will be displayed on the LCD screen, long press again to exit mute.

4 Noise reduction key / American tone key (RX):

- 1 Short press to enter noise reduction (TX enters ambient noise reduction), short press again to turn off noise reduction.
- 2 Long press to enter the fixed EQ value preset (enhance middle and low tone frequency), long press again to exit EQ.

5 TFT 0.96(RX):

- 1 Display TX and RX battery power or charging indication, connection status, microphone voice input strength, system volume, EQ, mute, noise reduction, etc.
- 2 Reduce the brightness of the LCD screen after 10 seconds of no operation, and trigger any button to restore the brightness.

UI diagram(RX)



6 Audio output / LINE OUT (RX):

output audio to recording equipment.

7 Headphone output / HEADPHONE (RX):

plug in a 3.5mm headphone to monitor the volume of the transmitter.

8 Record key (TX):

- 1 Short press to enter recording. (-6dB safety track recording to built-in eMMC internal memory, eMMC capacity: 8GB)
- 2 When the internal memory is full, stop recording.

9 External microphone (TX):

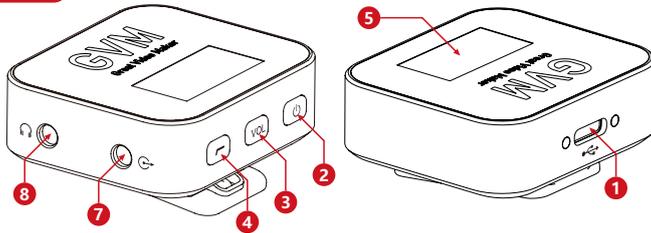
external microphone input. (disconnect the built-in microphone when the external microphone is plugged in)

10 Built-in microphone (TX):

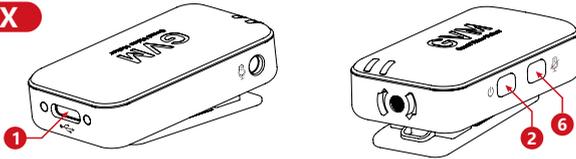
built-in microphone audio Input.

GVM-MIC-LM2S

RX



TX



1 Type-C Socket (TX RX):

- 1 Charging (TX RX).
- 2 USB microphone (RX).

2 ON/OFF (TX RX):

- 1 Long press on/off (2 seconds).
- 2 Press and hold for 5 seconds to enter pairing when the device is powered off.

3 Volume Key(RX):

Short press to adjust the volume. The volume is divided into three levels: low, medium and high. (reboot after shutting down Recall the volume before shutdown) 3RX.

4 Noise Reduction Key (RX):

Short press to enter noise reduction (TX enters ambient noise reduction), short press again to turn off noise reduction.

5 TFT 0.96(RX):

UI diagram(RX)



6 Mute key (TX):

Press to mute the microphone and press again to restore the sound.

7 Audio output / LINE OUT (RX):

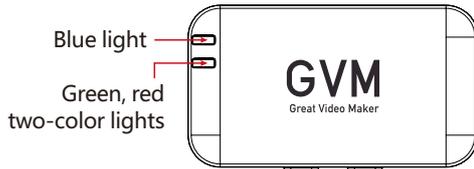
output audio to recording equipment.

8 Headphone output / HEADPHONE (RX):

plug in a 3.5mm headphone to monitor the volume of the transmitter.

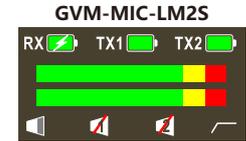
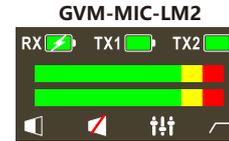
TFT SCREEN ICON AND LED LIGHT FUNCTION INTRODUCTION

① Transmitter LED Indicators



1. TX work light (blue light): flashes 1 time per second when there is no connection detected, and stays on when the connection is successful.
2. TX pairing light (blue light): Press and hold the ON/OFF button for 5 seconds to enter pairing state, the blue light will flash quickly (once every 0.5 seconds), and the device will automatically shut down after waiting for 5 minutes if the connection fails.
3. TX recording light (green light): Green light stays on when its recording, and the green light turns off when its not recording.
4. Prompt when the TX internal recording memory is full: the green light flashes once every 0.5 seconds.
5. TX low power flashing light: Green and red lights flash alternately.
6. TX charging indication: The red light is flashing (once every 1.5 seconds), and the flashing light is turned off after a delay of 5 seconds after fully charged.
7. TX Mute indicator: After TX enters the microphone mute mode, the red light is on constant, and the red light is off when the microphone exit mute mode.

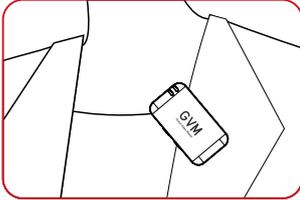
② Receiver TFT display



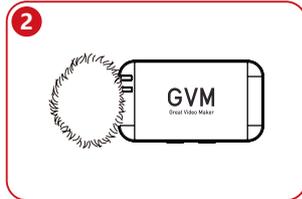
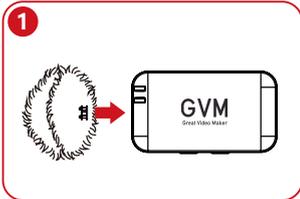
1. Volume icon: minimum volume, medium volume, maximum volume.
2. The input audio signal strength of the microphone.
3. The noise reduction symbol lights up in the noise reduction mode.
4. Charging symbol.
5. Charging complete symbol.
6. Low battery symbol.
7. Two bar electricity symbols.
8. Three bar electricity symbols.
9. Full battery symbol.
10. Mute icon, light up when microphone is muted.
11. TX1 silent microphone symbol, which lights up when the TX1 microphone is muted.
12. TX2 silent microphone symbol, which lights up when the TX2 microphone is muted.
11. EQ symbol, light up when EQ is turned on. (enhance middle and low frequency sounds)
12. RX pairing display: Press and hold the ON/OFF button for 5 seconds to enter pairing when the device is off. The TX1 and TX2 characters will flash. After the pairing is successful, the TX1 or TX2 characters will stay on and wait for 5 minutes. If the device is not connected, the device will automatically shut down.

INSTRUCTIONS

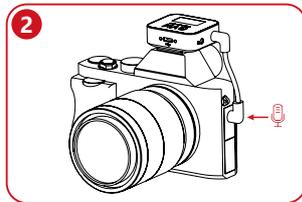
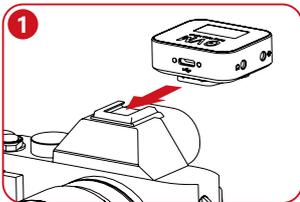
1. Clip the transmitter to the collar.



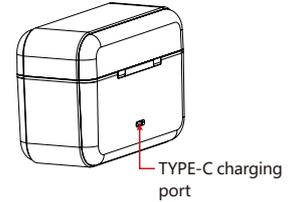
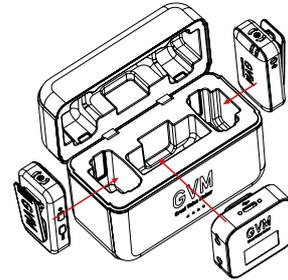
2. It is recommended to use a windshield wool cover for outdoor or windy environments. Align the wool cover with the built-in microphone port on the transmitter,, insert it, and rotate it to lock it in place.



3. Slide the receiver on to the camera cold shoe/hot shoe, plug in the angled 3.5mm TRS cable to the camera audio in and the LINE OUT port of the receiver.



4. Charging case operation:



* It is recommended to use a USB interface output power adapter with a voltage of 5V and a current greater than 2A to charge the charging box, adaptive charging current regulation, and adaptive adapter.

* The charging box has a built-in large capacity battery, which can fully charge two transmitters and one receiver more than 3 times simultaneously.

* Intelligently identify the TX & RX has been stored. Automatically evaluate the current charge, when the TX & RX is fully charged, the charging box will automatically enter standby mode.

* 4 LEDs lights on the front of the charging box indicate the battery level of the charging box: 25%, 50%, 75%, 100%.

PACKAGE CONTENTS

Name	Quantity				Remark
	1 drag 1 without charging box	1 drag 1 with charging box	1 drag 2 without charging box	1 drag 2 with charging box	
Transmitter	1	1	2	2	
Receiver	1	1	1	1	
Charging Box		1		1	
Microphone Wind Shield	1	1	2	2	
Camera Audio Cable	1	1	1	1	
USB TYPE-C Cable	1	1	1	1	
TYPE-C OTG Data Cable	1	1	1	1	
Carrying Case	1	1	1	1	
Manual	1	1	1	1	

PRECAUTIONS

In order to avoid personal injury or property damage that may be caused by electric shock, high temperature, fire, radiation, explosion, mechanical hazards and improper use, please read and abide by the following items carefully before using this product:

1. When using the product, please confirm whether the power of the connected device matches the product and adjust the volume of the device reasonably. Do not use it for a long time under the power of the product and high volume, so as not to cause product abnormalities;
2. If any abnormality (such as smoke, peculiar smell, etc.) is found during use, please immediately turn off the power switch and unplug the power plug, and then send the product to the dealer for repair;
3. This product and its accessories should be placed in a dry and ventilated place indoors. Do not store it in a humid or dusty environment for a long time. During use, avoid close to fire sources, rain, water, excessive collision, throwing, vibration of the machine and cover ventilation holes to avoid damaging their functionality;
4. When using this product, you must comply with relevant safety regulations. Laws and regulations clearly prohibit the use of the product, so as not to cause accidents;
5. Please do not disassemble, refit or repair by yourself to prevent personal injury. If you have any questions or service needs, please contact your local dealer for follow-up.

SECURITY INFORMATION



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. The operation is subject to the following two conditions:

- ① This device may not cause harmful interference;
- 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.

NOTE: This device and its antenna(s) must not be co-located or operate in conjunction with any other antenna or transmitter.

The device has been evaluated to meet general RF exposure requirements. The device can be used in portable exposure conditions without restriction.



This product should be handed over to an authorized electrical and electronic equipment (WEEE) collection point for recycling. Also, your proper disposal of this product will contribute to the efficient use of natural resources. For more information on where you can recycle your electronic equipment, please contact your local city office, waste authority or household waste disposal service.

PRODUCT WARRANTY

Dear user, this warranty card is important proof for applying for warranty service. Please cooperate with the salesperson to fill it out and keep it properly. Thank you!

Product Information	Model Number	Product Barcode
User Information	Name	Contact Number
	Mailing Address	
Seller Information	Name	
	Contact Number	
	Mailing Address	
	Sales Date	
Remarks		

Note: this form should be confirmed by the salesperson's stamp.

Applicable Products

This document applies to the products listed in the relevant "Product Warranty Information" (see instructions below). Other products or components that do not fall within this scope (such as promotional products, gift items, and other components added after the factory) are not covered by this warranty promise.

Warranty Period

The corresponding warranty period for products and components shall be executed according to the relevant "Product Warranty Information". The warranty period starts from the first day of purchase of the product, and the date of registration on the warranty card at the time of purchase shall prevail.

How to Obtain Warranty Service

You can directly contact the product salesperson or authorized service agency, or call GVM's after-sales service hotline to contact us and have our service personnel arrange service for you. When applying for warranty service, you should provide a valid warranty card as a warranty certificate to be eligible for warranty service. If you cannot provide a valid warranty card, we may also provide you with warranty service under the circumstance that our products or components are confirmed to be within the warranty scope, but this is not our obligation.

Cases where warranty does not apply:

If the product meets the following conditions, the warranty and service under this document will not apply:

1. The product or parts have exceeded the corresponding warranty period.
2. Malfunctions or damages caused by incorrect or improper use, maintenance, or storage, such as improper handling, use for purposes other than the reasonable expectations of the product, incorrect insertion or removal of external devices, falling or crushing due to external force, or exposure to inappropriate temperature, solvents, acids, alkalis, water immersion, or damp environments.
3. Malfunctions or damages caused by unauthorized installation, repair, modification, addition, or disassembly by institutions or personnel not authorized by GVM.
4. Modifications, changes, or removals of the original identification information of the product or its parts.
5. Lack of valid warranty card.
6. Malfunctions or damages caused by the use of unauthorized, non-standard or non-publicly released software.
7. Malfunctions or damages caused by force majeure or accidents;
8. Other malfunctions or damages not caused by quality issues of the product itself. In such cases, you should seek solutions from the relevant responsible parties, and GVM will not be held liable. Malfunctions or damages caused by components, accessories, or software not covered by the warranty or beyond the warranty scope that renders the product unable to function properly are not covered by the warranty. Fading, wear, and consumption that is normal during the product usage process are not covered by the warranty.