

Professional UHF Wireless Microphone System

VM-92U G5



110421

Operating Instructions



Frequency Selectable



2-in-1 Base Module ***1 Receive Module with 2 Wireless Microphones System

Thank you for purchasing this unit. To make full and effective use of this unit, please read this Owner's Manual carefully before operating it. Please retain this manual for future reference.

CONTENTS



INTRODUCTION.....	1
--------------------------	----------



SYSTEM FEATURES.....	1
-----------------------------	----------



PACKAGE ACCESSORIES.....	2
---------------------------------	----------



2-in-1 BASE MODULE.....	3
--------------------------------	----------

- Controls and Functions..... 3~5
- Hardware Setup..... 6~8



HANDHELD MICROPHONE.....	9
---------------------------------	----------

- Controls and Functions..... 9~10
- High Tech Auto-Mute System Features..... 11



OPERATION.....	12~19
-----------------------	--------------

- How to Select Frequencies for the Receiver..... 12
- How to Match Receiver's Frequency with Microphone..... 13
- How to Select Channel for the Receiver..... 14
- How to Adjust Squelch..... 14
- How to Insert/change Batteries of Microphone..... 15
- How to Select Frequency of Microphone..... 16
- How to Turn On/Off Microphone..... 16
- How to Turn High Tech Auto-Mute On/Off..... 17
- How to Interchange Microphone Head..... 17
- How to Select Microphone Signal Strength (5mW/10mW)..... 18



TECHNICAL SPECIFICATION.....	19
-------------------------------------	-----------



BODY-PACK MICROPHONE (Optional).....	20~21
---	--------------



TROUBLESHOOTING.....	22~23
-----------------------------	--------------



APPENDIX.....	24~26
----------------------	--------------



WARRANTY.....	27
----------------------	-----------



CONTACT INFORMATION.....	28
---------------------------------	-----------



INTRODUCTION

Better Music Builder VM-92U G5 is a fifth generation wireless microphone that uses the latest UHF wireless technology. Its heavy duty design includes two handheld microphones with one 2-in-1 Base Module, built-in LCD panel on both microphones and base unit, aluminum alloy handles, and Wireless Infrared Auto Sync System.

The VM-92U G5 Dual Wireless Microphones are equipped with a six-axis gyroscope sensor to be the most intelligent and energy efficient microphones. Utilizing the sensor, the new High Tech Auto-Mute feature integrated onto the microphones has the ability to automatically mute itself momentarily when dropped. This eliminates any unwanted noise in the event the user accidentally drops the microphone to the ground, providing a much more user friendly experience. The microphones also has the ability to activate "sleep mode" when left unattended, therefore greatly increasing the overall battery life.

Each handheld microphone has 100 selectable channels in the 602.000 MHz to 652.000 MHz frequency range. It comes with a convenient portable mounting rack, making this system perfect for professional DJ's and at KTV clubs, restaurants, coffee shops and churches, etc.



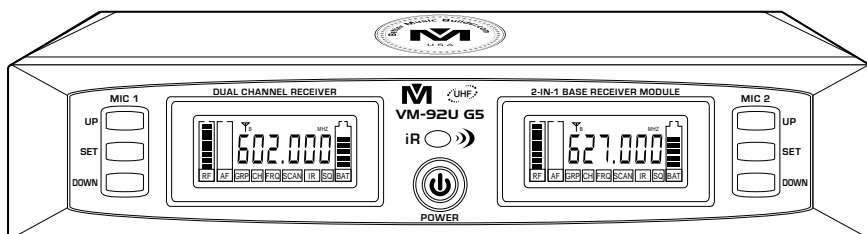
SYSTEM FEATURES

1. Six-axis gyroscope sensor integrated onto each microphone.
2. Energy efficient microphones.
3. High Tech Auto-Mute function activates when falling motion is detected.
4. Sleep mode activates when microphone is left unattended.
5. Equipped with the latest wireless technology and UHF dual-channel in a 2-in-1 Base.
6. Clear LCD screen displays Radio Frequency, Volume, Channel, and Frequency.
7. Wireless Auto Sync System technology makes setting up a breeze.
8. Clear Voice technology delivers crystal clearer sound just like a wired microphone.
9. 100 selectable channels for each microphone!
10. Adjustable antennas for better signal receiving.
11. AA batteries for easy usage.
12. Receiver Left / Right squelch knobs.

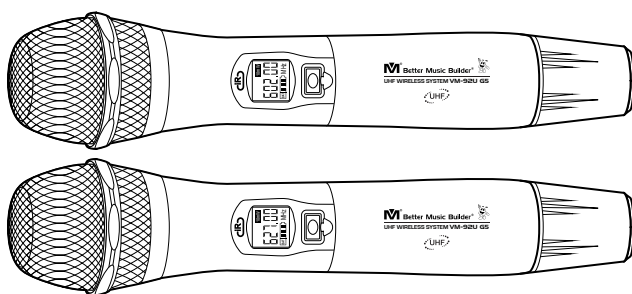


PACKAGE ACCESSORIES

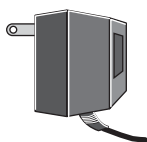
The package comes with one 2-in-1 Base Module [Receiver], two handheld microphones, two receiver antennas, one DC adaptor, one unbalanced audio cable, and four AA batteries.



2-IN-1 BASE MODULE [RECEIVER]: 1 UNIT



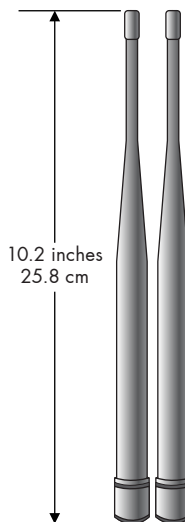
HANDHELD MICROPHONE: 2 UNITS



DC POWER ADAPTOR: 1 UNIT

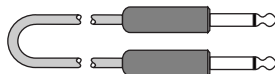


AA (1.5V) BATTERY: 4 UNITS



RECEIVER ANTENNA: 2 UNITS

NOTE ► **DC-POWER USAGE:** This wireless microphone system is designed specifically for the North American market, that uses 120V for DC power. For usage in Asia or Europe, please change it to 220V by an adaptor with DC 14V output 500mA.



AUDIO CABLE (FOR MIXED OUTPUT): 1 UNIT

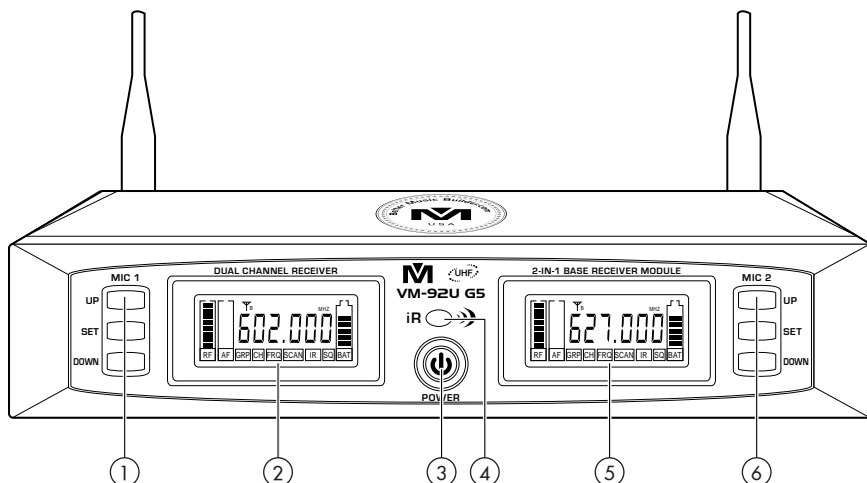


For better quality connections, a XLR to XLR cable is highly recommended.



2-in-1 BASE MODULE [RECEIVER]

CONTROLS AND FUNCTIONS

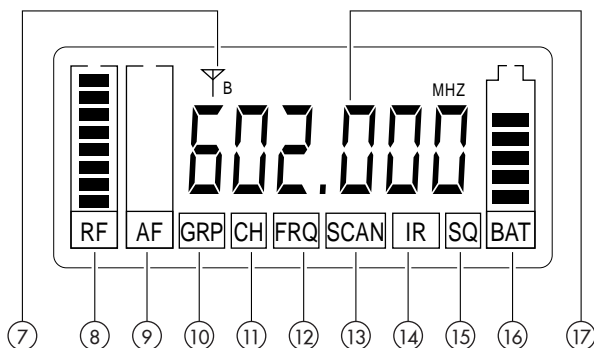


FRONT PANEL:

1. **MIC 1 SELECTOR BUTTONS (UP/SET/DOWN):** Allows control of LCD screen and its functions.
2. **MIC 1 LCD SCREEN:** Displays MIC 1 system status.
3. **POWER BUTTON:** Turns the system on/off.
4. **IR PORT:** Infrared port for the Wireless Infrared Auto Sync System. Pointing the handheld microphone's infrared port at the receiver's infrared port to allow communication.
5. **MIC 2 LCD SCREEN:** Displays MIC 2 system status.
6. **MIC 2 SELECTOR BUTTONS (UP/SET/DOWN):** Allows control of LCD screen and its functions.

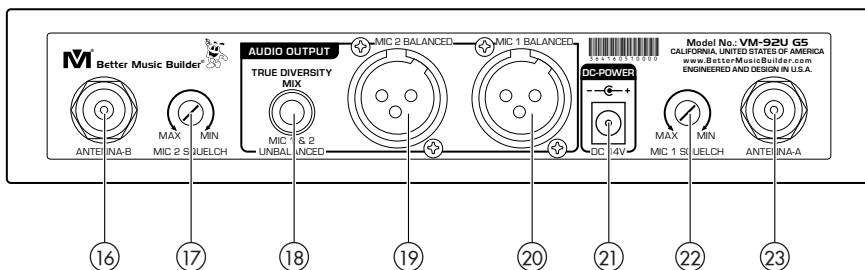
LCD PANEL:

After turning on the "POWER" button, LCD screen will display the following:



- 7. ANTENNA A/B: Displays the antenna in use.
- 8. RADIO FREQUENCY: Strength indicator of radio signal.
- 9. AUDIO FREQUENCY: Strength indicator of incoming audio signal.
- 10. SQ: *Coming soon to next generation models
- 11.CHANNEL & SELECT: Displays current channel & Selector for channel.
- 12. FREQUENCY SELECT: Selects frequency.
- 13. SCAN: Scans for microphone frequency.
- 14. INFRARED SCAN: Scans for microphone Infrared frequency.
- 15. SQ: *Coming soon to next generation models
- 16. BATTERY STATUS: Displays microphone battery status.
- 17. FREQUENCY: Displays current frequency.

REAR PANEL:



16. **ANTENNA-B:** Connect the antenna to the BNC socket.
17. **MIC 2 SQUELCH CONTROL:** Sensitivity adjustment. Higher level equals longer coverage.
18. **MIXED OUTPUT:** Unbalanced 1/4" audio output for MIC 1 & MIC 2.
19. **MIC 2 BALANCED OUTPUT:** Balanced XLR audio output.
20. **MIC 1 BALANCED OUTPUT:** Balanced XLR audio output.
21. **POWER SUPPLY:** Removable adapter with DC14~22V 500mA.
22. **MIC 1 SQUELCH CONTROL:** Sensitivity adjustment. Higher level equals longer coverage.
23. **ANTENNA-A:** Connect the antenna to the BNC socket.



HARDWARE SETUP

HOW TO CONNECT AUDIO OUTPUT:

There are three rear outputs as shown in the below diagram:

1. Mixed Output

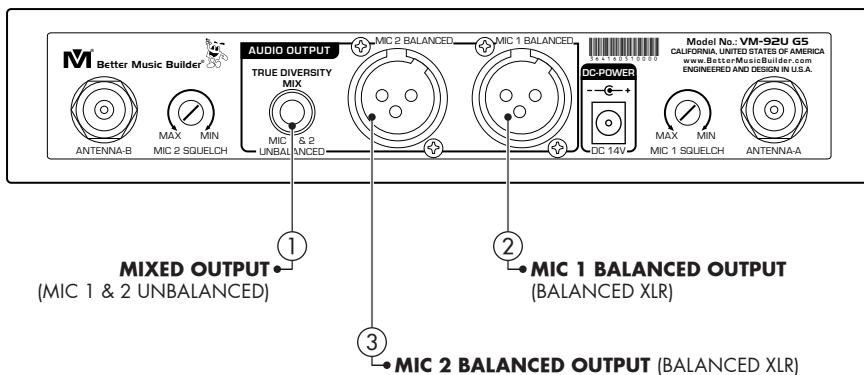
Mixed Output is unbalanced audio output for MIC 1 & MIC 2 using 1/4" connection. When using this output, MIC 1 and MIC 2 have to share a signal. To produce different effects on each microphone, MIC 1 and MIC 2 need their own signals which can be done by using XLR connections.

2. Mic 1 Balanced Output

Mic 1 Balanced Output is balanced audio output for MIC 1 using XLR connection. When using this output, you can change MIC 1 effects without affecting MIC 2 effects.

3. Mic 2 Balanced Output

Mic 2 Balanced Output is balanced audio output for MIC 2 using XLR connection. When using this output, you can change MIC 2 effects without affecting MIC 1 effects.



We highly recommend using balanced XLR connections if the distance between the microphone receiver and the mixer is more than 10 feet. The grounding of the balanced XLR connection delivers better quality signal by reducing noise.

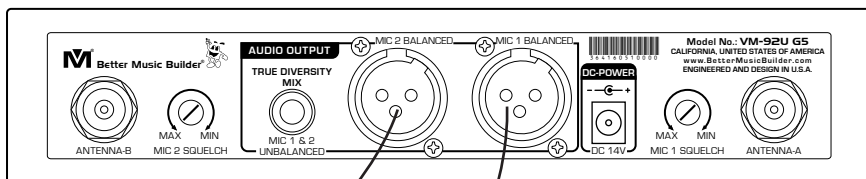
UHF WIRELESS SYSTEM DIAGRAM:



MIC 1 HANDHELD MICROPHONE

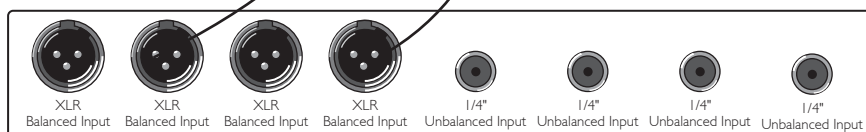


MIC 2 HANDHELD MICROPHONE



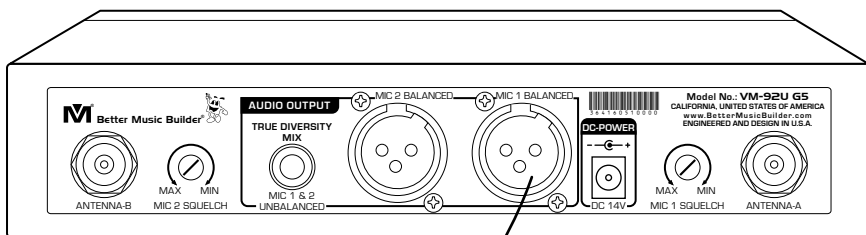
REAR VIEW

BALANCED CONNECTION

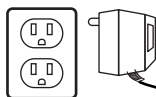


AUDIO MIXER AMPLIFIER OR A KARAOKE UNIT INPUT TERMINAL

HOW TO CONNECT DC-POWER:



REAR VIEW



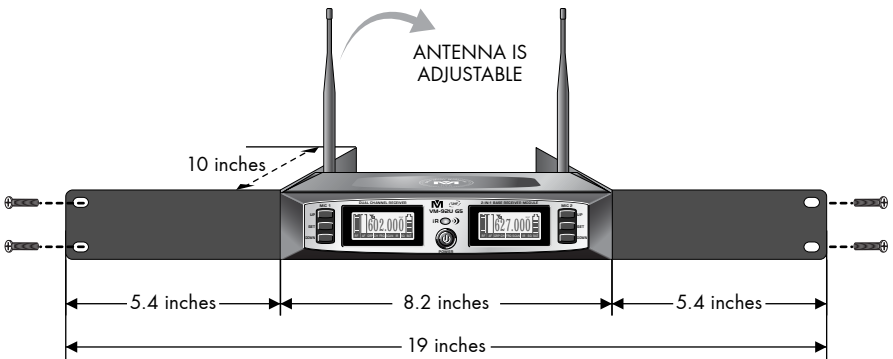
For North America Market, use 120V, DC 14~22V 500mA adaptor. For market outside North America, use 220V~ 240V DC adaptor with a maximum battery capacity of 500mA.

[NOTE] Please make sure to use the right DC adaptor. Otherwise, it may damage the 2-in-1 Base Module and/or the charger because their maximum battery capacity is different. The product warranty will be voided if there is damage caused by using the wrong DC adaptor.

OPTIONAL 19" RACK MOUNT KIT:

To put the system onto one of the mount kit, please follow the diagram below. Our special design feature allows it to be mounted on a DJ rack.

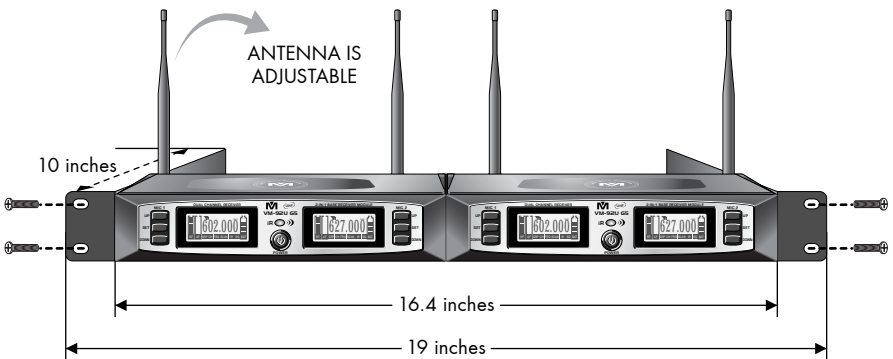
Single Receiver Rack Mount Kit



Rack mount kit is not included in package.



Dual Receiver Rack Mount Kit



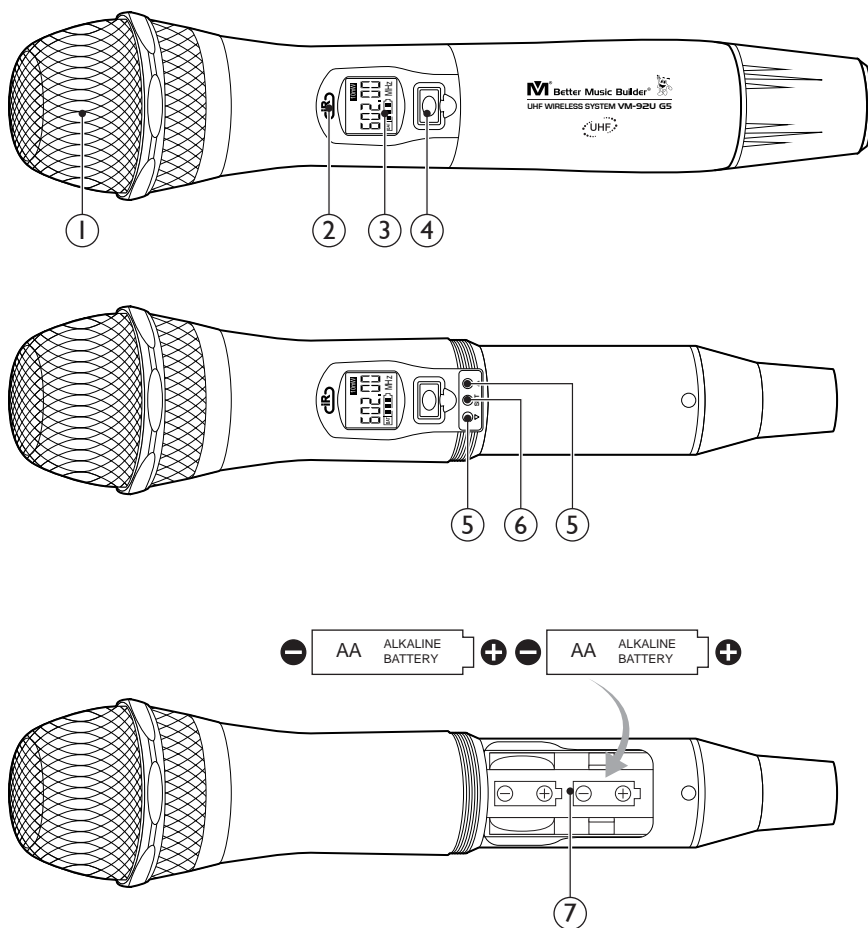
Rack mount kit is not included in package.





HANDHELD MICROPHONE

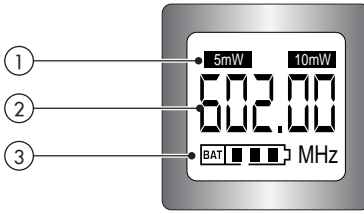
CONTROLS AND FUNCTIONS



1. **INTERCHANGEABLE MICROPHONE HEAD**
2. **IR PORT:** Infrared port for the Wireless Infrared Auto Sync Technology. Point the microphone's infrared port at the receiver's infrared port to allow communication.
3. **LCD DIGITAL DISPLAY:** Displays frequency, battery status and power usage.
4. **POWER BUTTON**
5. **FREQUENCY, HIGH TECH AUTO-MUTE & MIC SIGNAL STRENGTH SELECTION BUTTON:** Press UP/DOWN button to select frequency, high tech auto-mute function (ON/OFF) and microphone signal strength (5mW/10mW).
6. **SET BUTTON:** SET button will navigate through the microphone interface.
7. **BATTERY SLOTS:** Insert 2x1.5V AA battery or 2x1.2V rechargeable battery.

LCD PANEL:

After turning on the "POWER", the LCD screen will light up as below:



1. MICROPHONE SIGNAL STRENGTH: 5mW or 10mW.

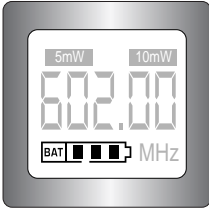
The microphone signal strength "5mW/10mW" selection allows the handheld microphone signal output to be standard at 5mW or strengthened at 10mW. This feature can improve the audio quality and signal distance that the handheld microphone can operate in. The standard signal distance covers 80 feet (25 meters) at 5mW, while at 10mW the signal strength improves but limits distance coverage to 40 feet (12.5 meters).

2. FREQUENCY: Current value depends on your setting.

3. BATTERY STATUS: Indicates battery life.

BATTERY STATUS:

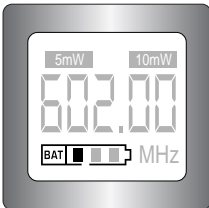
Full Battery



Indicates full battery on the microphone.

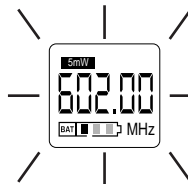
Illustrates the battery status so you can see the battery strength. A full battery display means the microphone will last 4~6 hours.

Low Battery



Indicates low battery on the microphone.

When the microphone LCD screen is blinking or fading, it's time to replace the batteries.



LCD screen will blink constantly when battery is extremely low and about to die.

NOTE If the microphone cannot turn on, please check the battery. It may be very low. Typical new full battery life is 4~6 hours with our system, otherwise, the batteries might be defective or near expiration date. Batteries are not covered under our product warranty.

HIGH TECH AUTO-MUTE SYSTEM FEATURES

This function's primary focus is to eliminate unwanted noise while being energy efficient. To do so, the microphones are equipped with a six-axis gyroscope sensor.

FEATURES:

1. Energy Saving

The six-axis gyroscope senses speed in three directions as well as any angular changes in velocity. This information is transmitted through the sensor and minimizes power consumption by entering a "sleep mode" when it senses no movement within a preset time, allowing for more usage time without changing batteries as often as conventional microphones.

2. Anti-Howl & Noise

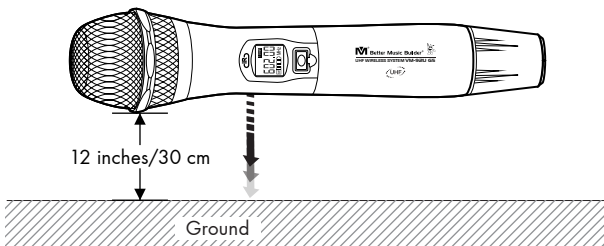
To eliminate unwanted noise when the microphone is dropped, the six-axis gyroscope sensor is used to detect a fast change in motion. The sensor detects whether the motion is intended or not by the elapsed time it is falling. When the time (in milliseconds) exceeds an estimated drop, the microphone signal then cuts off momentarily; so at the point of impact the microphone is no longer sending any signal to the receiver.

3. Instant "Wake up" Response

The microphone can switch from "sleep mode" to operating mode in milliseconds with its intelligent sensory technology.

4. Auto-Mute When Not Held

The microphone detects and auto-mutes when it is dropping. This function can avoid most unwanted noise and greatly decrease the chances of any damage to the audio equipment. It is important to note the auto mute function will engage once the sensor detects a falling motion (the minimum falling distance for the sensor to activate is 12 inches/30 cm). The microphone will operate normally again once it's picked up.



NOTE ➤ For more information on "How to Turn Auto-Mute ON/OFF" go to page 17.



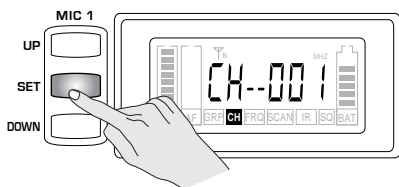
OPERATION

HOW TO SELECT FREQUENCIES FOR THE RECEIVER

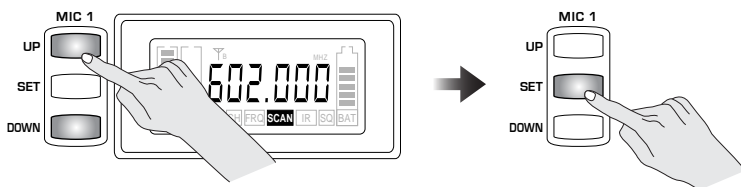
The 2-in-1 Base Module comes with two handheld microphones and the microphones are preset with 100 frequency channels. The frequency can be selected either automatically or manually.

1. AUTOMATIC FREQUENCY SELECT

STEP 1: Press "SET" on the receiver and the "CH" will blink.

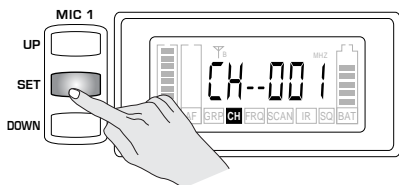


STEP 2: Press "UP/DOWN" until "SCAN" is blinking and press "SET". The receiver will search for the strongest frequency. Wait for "SCAN" to stop blinking.

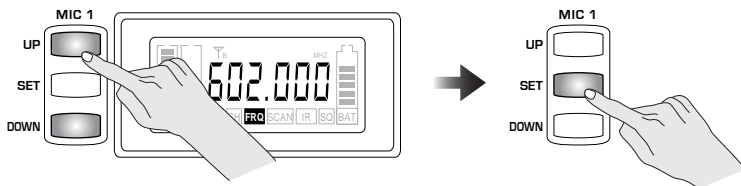


2. MANUAL FREQUENCY SELECT

STEP 1: Press "SET" on the receiver and the "CH" will blink.

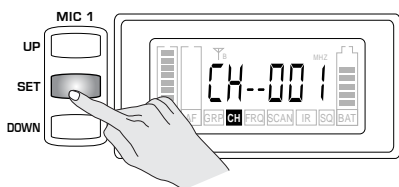


STEP 2: Press "UP/DOWN" until "FRQ" is blinking and press "SET". While the frequency is blinking, press "UP/DOWN" to select the desired frequency. Wait for frequency to stop blinking.

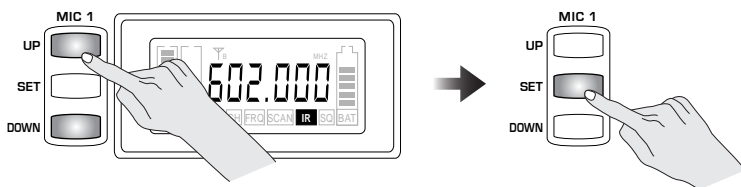


HOW TO MATCH RECEIVER'S FREQUENCY WITH MICROPHONE

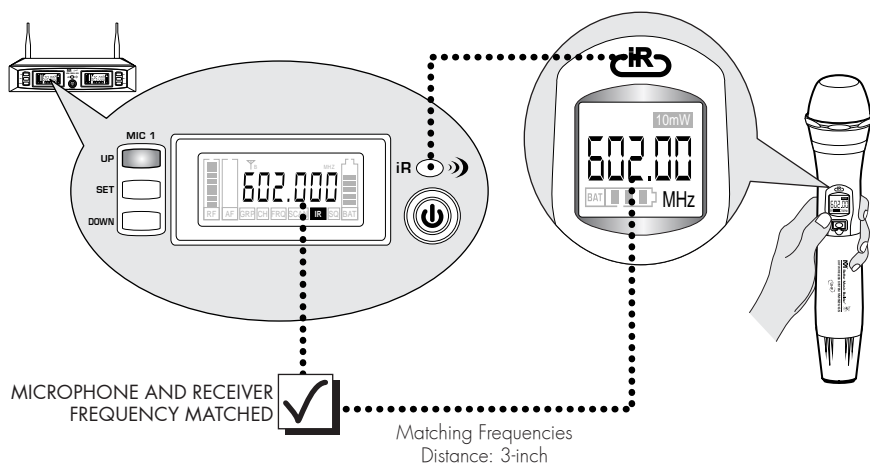
STEP 1: Press "SET" on the receiver and the "CH" will blink.



STEP 2: Press "UP/DOWN" until "IR" is blinking and press "SET".



STEP 3: While the "IR" light is on, turn ON the microphone, point the microphone infrared port (IR) directly at the receiver's IR PORT to initiate the syncing process.

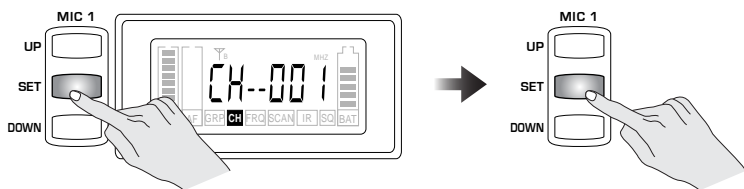


NOTE ➤ Please make sure that the other handheld microphone is turned off when adjusting the frequency on one microphone.

Each unit is fully tested and qualified by the manufacturer. However, due to the nature of wireless connection, interference may occur because of local environments and/or radio signals emitted by other wireless devices within the household.

HOW TO SELECT CHANNEL FOR THE RECEIVER

STEP 1: Press “SET” on the receiver and the “CH” will blink. Press “SET” again and the channel currently being used will blink.

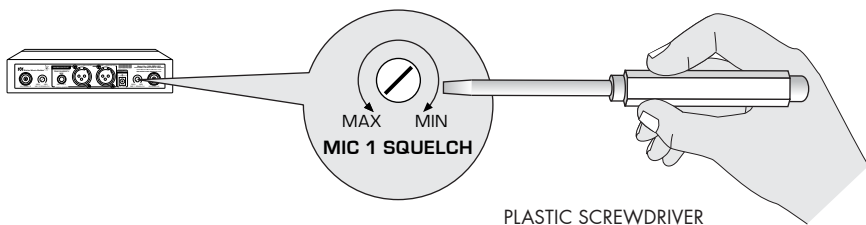


STEP 2: Press “UP/DOWN” to select the desired channel. Wait for channel to stop blinking.



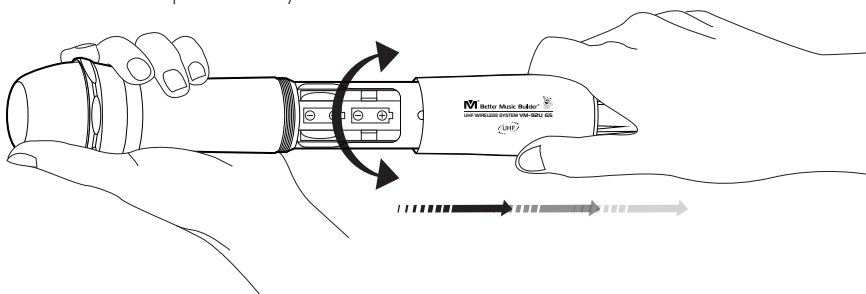
HOW TO ADJUST SQUELCH

The SQUELCH knob on the back of the receiver adjusts the sensitivity between the microphone and the receiver. Use a plastic screwdriver to make the squelch adjustment. A higher level of squelch allows the usage of microphone further away from the receiver. However, the drawback of using a higher level of squelch is the increased chance of interference.

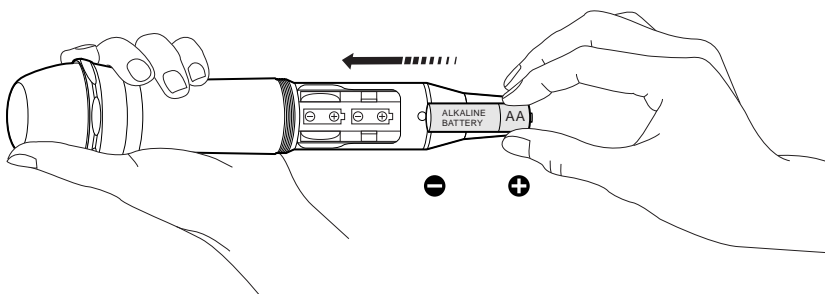


HOW TO INSERT/CHANGE BATTERIES OF MICROPHONE

STEP 1: Twist open battery cover.



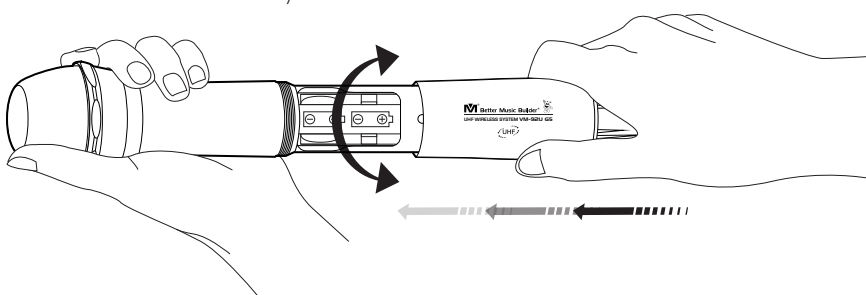
STEP 2: Use one hand to hold onto the top of the Microphone, and the other hand to slide 2x1.5V AA batteries into battery slot.



 Make sure to follow the polarity of the battery according to the battery slots.

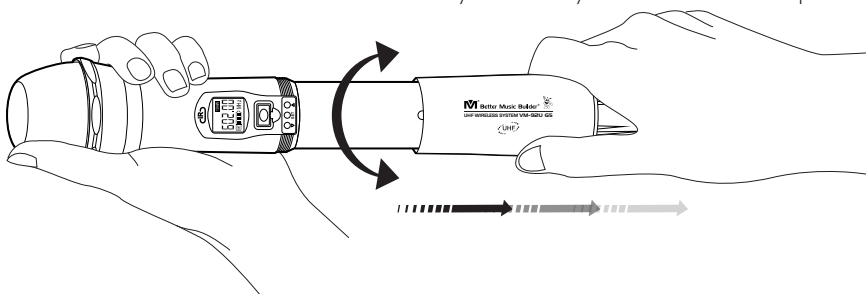


STEP 3: Twist back battery cover.

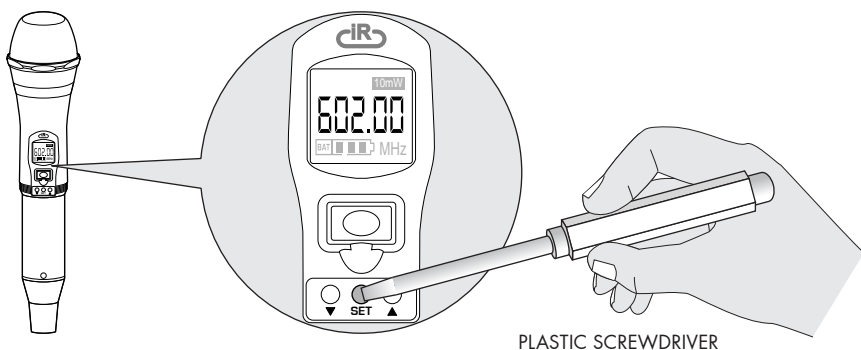


HOW TO SELECT FREQUENCY OF MICROPHONE

STEP 1: Power on and remove the battery cover of your handheld microphone.



STEP 2: Using the navigation buttons, use a plastic screwdriver to press "SET" and the frequency currently being used will blink. Press "▲" UP or "▼" DOWN buttons to set your preference frequency. Once selected, wait for frequency to stop blinking.

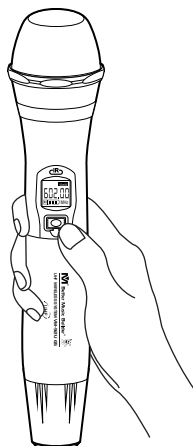


HOW TO TURN ON/OFF MICROPHONE

TURN ON: Press the power button to turn ON the microphone. Microphone's LCD panel will display microphone power usage, frequency and battery status.

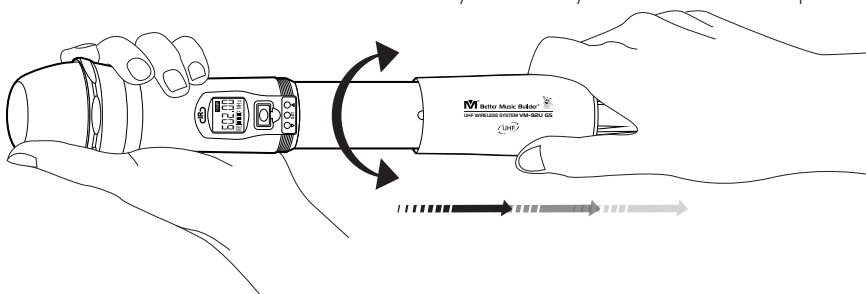
TURN OFF: Press and hold the power button for 3 seconds to turn OFF the microphone.

NOTE ➤ If the microphone cannot turn on, please check the battery. It may be very low. Typical new full battery life is 4~6 hours with our system, otherwise, the batteries might be defective or near expiration date.

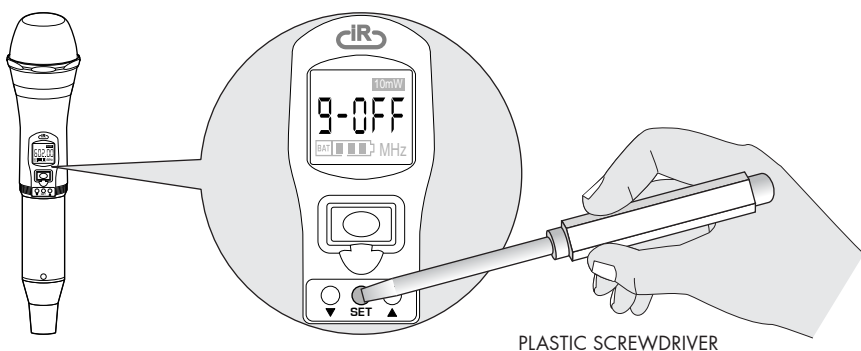


HOW TO TURN AUTO-MUTE ON/OFF

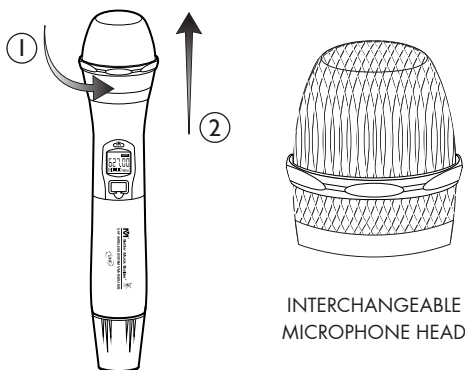
STEP 1: Power on and remove the battery cover of your handheld microphone.



STEP 2: Using the navigation buttons, use a plastic screwdriver to press "SET" repeatedly until "9-ON/9-OFF" appears. While blinking, press "▲" UP or "▼" DOWN buttons to set your preference to "9-ON/9-OFF". Once selected, wait for "9-ON/9-OFF" to stop blinking.



HOW TO INTERCHANGE MICROPHONE HEAD

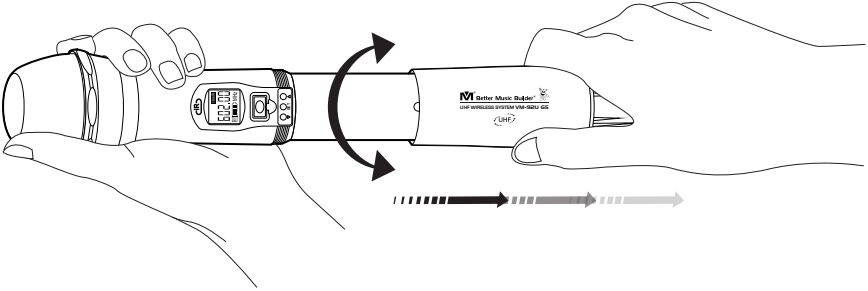


NOTE

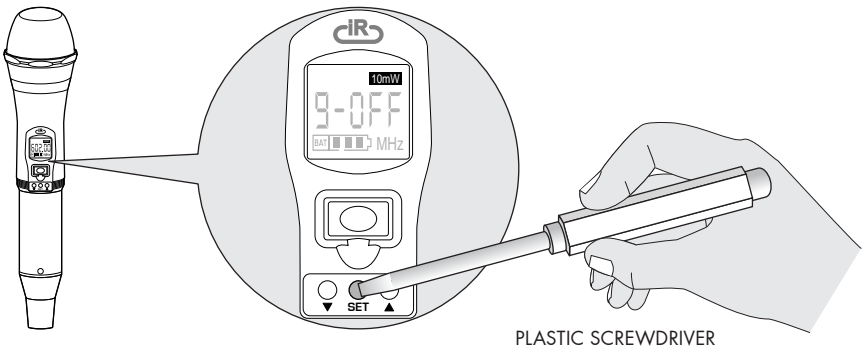
Replacement parts (such as the microphone head as shown on the left) can be purchased from any of our authorized dealers.

HOW TO SELECT MICROPHONE SIGNAL STRENGTH (5mW/10mW)

STEP 1: Power on and remove the battery cover of your handheld microphone.



STEP 2: Using the navigation buttons, use a plastic screwdriver to press "SET" repeatedly until "5mW/10mW" appears. While blinking, press "▲" UP or "▼" DOWN buttons to set to "5mW/10mW". Once selected, wait for "5mW/10mW" to stop blinking.



The microphone signal strength "5mW/10mW" selection allows the handheld microphone signal output to be standard at 5mW or strengthened at 10mW. This feature can improve the audio quality and signal distance that the handheld microphone can operate in. The standard signal distance covers 80 feet (25 meters) at 5mW, while at 10mW the signal strength improves but limits distance coverage to 40 feet (12.5 meters).



TECHNICAL SPECIFICATION

A. TECHNICAL FEATURE OF THE 2-IN-1 BASE MODULE:

1. Channel: 100 Channels (total 200 Channels)
2. Frequency Range: UHF 602~652 MHz
3. Signal to Noise Ratio: > 90dB
4. Total Harmonic Distortion: < 0.5%
5. Band Width: < 250kHz
6. Frequency Response: 30Hz~19kHz \pm 3dB
7. Sensitivity: >100dB
8. Effective Use Range: >50M
9. Receiver Shell: EIA standard 1/2U
10. Receiving Sensitivity: 2.0 μ V
11. Audio Output Level: Unbalanced Out: 0~ \pm 400mV
Balanced Out: 0~ \pm 200mV
12. Power Supply: DC 14V~22V with 500mA~1000mA, AC 120V
(For 220V, you may need to change to a 220V~240V DC adaptor)
13. Consume Power: 5 Watts
14. Receiver Dimensions (WxHxD): 8.2x1.7x6 inches / 20.9x4.2x15.2 cm
15. Package Dimensions (WxHxD): 16.9x13.7x2.8 inches / 42.8x34.7x7.2 cm
16. Shipping Weight: 5.6 lbs / 2.5 kg

B. TECHNICAL FEATURE OF THE MICROPHONE:

1. Handheld Microphone Power: 5mW/10mW (Switchable)
2. Oscillation Mode: PLL
3. Harmonic Radiation: \leq -50dB
4. Frequency Stability: \pm 0.005%, at 0~50°C
5. Battery Voltage: 2 x AA 1.5V Alkaline Battery
6. Continuous Using: 8 Hours (GP) 2 x AA 1.5V Battery
7. Power: DC 2.4~4.8V
8. Microphone Dimensions (WxH): 10.3 x 2.2 (inches) / 26.2 x 5.7 (cm)

C. THIS SYSTEM INCLUDES THE FOLLOW:

- 2-in-1 Base Module: 1 Set
- Handheld Microphone: 2 Sets
- Antenna: 2 Units
- AA 1.5V Battery: 4 Units
- DC-Power Adaptor: 1 Unit
- Audio Cable: 1 Unit
- Instructional Manual: 1 Unit



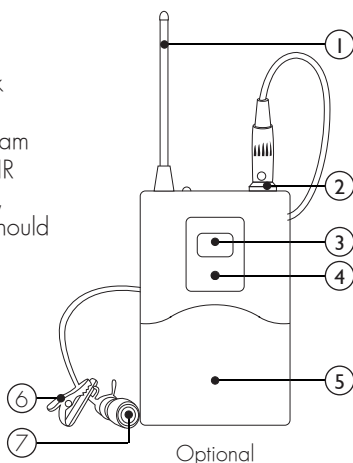
BODY-PACK MICROPHONE SYSTEM SPECIFICATION (Optional)

NAMES & FUNCTION:

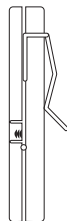
Body-Pack Microphone System (including Lavalier Mic. and Headset Mic.)

Outside Picture

1. Antenna
2. 4-pin Microphone Input Jack
3. LCD Digital Display
4. IR Port: Receives infrared beam to synchronize frequencies. IR when using multiple systems, only one microphone port should be exposed at a time
5. Battery Cover
6. Tie-Clip
7. Microphone Extension Jack



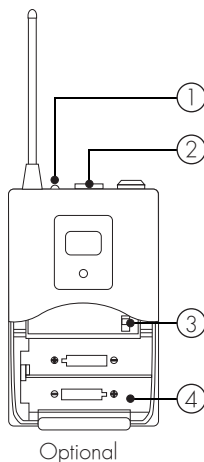
Side-face Picture



Optional

Inside Picture

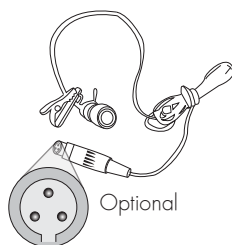
1. Power/Mute indicator
 - Green: Ready
 - Amber: Mute Open
 - Flashing Red: IR is transmission in process
 - Glowing Red: Low battery power
 - Pulsing Red: Battery dead (microphone cannot be turned off until batteries are changed)
2. Power ON/OFF/mute switch
Button: Press and hold the microphone for 3 seconds to turn power ON/OFF. Press and release to mute or un-mute the microphone.
3. Adjustment switch
4. Battery Slot



Lavalier Mic.

(Accessories)

1/4" to mini 3-pin lavalier cable



Headset Mic.

(Accessories)

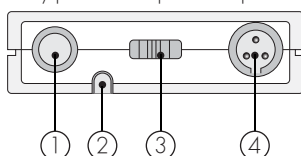
1/4" to mini 3-pin lavalier cable



Apical Panel

1. Antenna Jack
2. Power/Mute indicator
3. Power Switch
4. Microphone Input Jack

Body-pack Microphone Top View

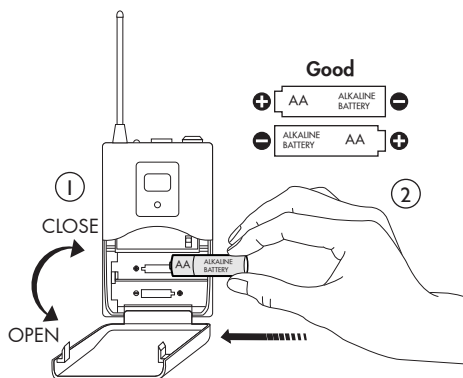


HOW TO INSERT BODY-PACK MICROPHONE BATTERIES

STEP 1: Open battery cover.

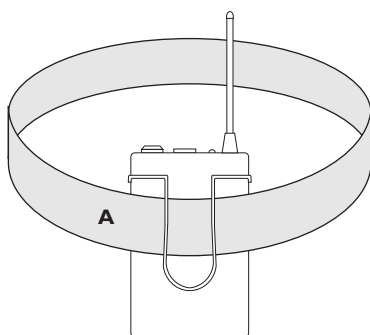
STEP 2: Insert 2 AA batteries. 2 alkaline batteries are expected to use for about 8 hours.

Make sure that you insert batteries correctly, as shown in picture. When the microphone body-pack light glows red, the batteries should be changed immediately.

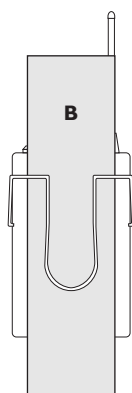


HOW TO WEAR BODY-PACK MICROPHONE

The microphone can be buckled to the belt or the guitar band. For best result, the microphone should be pushed down until the belt is close to the base of microphone.



MICROPHONE BODY-PACK
REAR VIEW

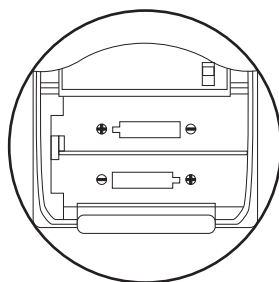


MICROPHONE BODY-PACK
REAR VIEW

ADJUSTMENT GAIN

Three gain settings are available. Choose the appropriate setting for your instrument.

- MIC: for the microphone adjustment
- 0: Guitar with passive pickups
- -10: Guitar with active pickups





TROUBLESHOOTING



CAUTION: Before troubleshooting any symptoms make sure the equipments are in the "OFF" position.

1. SYMPTOM: NO SOUND COMING FROM MICROPHONE

A. CAUSE: There is no indication of signal.

- Turn microphone to "OFF" position. Check if batteries are inserted correctly.
- If batteries are inserted correctly, but there is no power, insert new batteries
- Make sure the microphone and receiver are in the same channel
- The volume may be turned to a low level.

B. CAUSE: The receiver is unpowered.

Make sure the power adapter is connected properly and there is power coming from the power outlet.

C. CAUSE: There is no indication of AF signal.

Turn off the receiver and make sure it is properly connected to the mixer or amplifier. If it is, slowly turn the volume higher.

D. CAUSE: There is no indication of RF signal.

If there is no indication of RF signal there may be interference between the receiver and the microphone. Change the channel between the microphone and receiver otherwise; Adjust the antenna of the receiver and/or move away objects between receiver and the microphone .

2. SYMPTOM: ONE OR MORE OF THE MICROPHONE IS NOT WORKING, CHECK THE SOLUTIONS FOR CAUSES A~D ABOVE.

3. SYMPTOM: RANDOM NOISE COMING OUT FROM MICROPHONE

CAUSE: There are interference within your area.

- Change the channel between the microphone and receiver.
- Stand further away from your speaker.

4. SYMPTOM: THE MICROPHONE SUDDENLY HAS NO SOUND AND THE RECEIVER LCD LIGHT IS OFF.

Make sure the AC power adapter is securely plugged into the electrical outlet and into the DC input connector on the rear panel of the receiver. Make sure the AC electrical outlet works and is supplying the proper voltage.

5. SYMPTOM: THE MICROPHONE SUDDENLY HAS NO SOUND BUT THE RECEIVER SHOWS RF SIGNAL.

CAUSE: The microphone out lead is damaged or disconnected.

To fix it, open the microphone head cover to check on the microphone out lead and re-connect the wire by welding. If it does not work, replace the microphone out lead.

6. SYMPTOM: THE MICROPHONE DISTORTION LEVEL IS INCREASING GRADUALLY.

CAUSE: The microphone batteries are running out.

Replace the microphone batteries.

7. SYMPTOM: POOR SIGNAL

CAUSE: When the 2-in-1 Base Module and microphone are placed in different rooms made of concrete wall. This would cause poor signal.

Your audio equipment is close to the police, fire or radio stations. In this case, a different frequency channel **MUST** be selected. Both the microphone and the 2-in-1 Base Module must change to a matching frequency.

8. SYMPTOM: THE FREQUENCY OF THE MICROPHONE IS DIFFERENT FROM THE 2-in-1 Base Module.

The microphone's frequency must match with 2-in-1 Base Module's frequency.



APPENDIX

VM-92U G5 FCC FREQUENCY: 602.000~652.000 MHz

UHF Frequencies Available for Use for Home Electronics in North America

The RF radio frequencies used in the transmission of wireless information are closely regulated in most countries including North America. A lot of countries strictly enforce their regulations stating which RF frequencies are available for use for certain device, so it can help limit the amount of radio frequency interference in all wireless communications.

Please refer to the following table for MIC 1 and MIC 2 with available RF frequencies. If the RF frequencies indicated in the following table are in conflicts with the local wireless information law in your country, please switch to a different product model or contact our technicians for advice.

FCC Information to User for Reference

This equipment is designed in compliance with the limits for a Class A digital device pursuant to part 15 of the FCC Rules from the United States of America. These limits are designed to provide protection against harmful interference when the equipment is operated in public environment. This equipment generates, uses, and can radiates radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area may cause harmful interference, so the user will have to correct the interference at his/her own expense.

MICROPHONE 1 FREQUENCY: 602.000~626.750 MHz

CH	FREQUENCY	CH	FREQUENCY	CH	FREQUENCY	CH	FREQUENCY
1	602.000	26	608.250	51	614.500	76	620.750
2	602.250	27	608.500	52	614.750	77	621.000
3	602.500	28	608.750	53	615.000	78	621.250
4	602.750	29	609.000	54	615.250	79	621.500
5	603.000	30	609.250	55	615.500	80	621.750
6	603.250	31	609.500	56	615.750	81	622.000
7	603.500	32	609.750	57	616.000	82	622.250
8	603.750	33	610.000	58	616.250	83	622.500
9	604.000	34	610.250	59	616.500	84	622.750
10	604.250	35	610.500	60	616.750	85	623.000
11	604.500	36	610.750	61	617.000	86	623.250
12	604.750	37	611.000	62	617.250	87	623.500
13	605.000	38	611.250	63	617.500	88	623.750
14	605.250	39	611.500	64	617.750	89	624.000
15	605.500	40	611.750	65	618.000	90	624.250
16	605.750	41	612.000	66	618.250	91	624.500
17	606.000	42	612.250	67	618.500	92	624.750
18	606.250	43	612.500	68	618.750	93	625.000
19	606.500	44	612.750	69	619.000	94	625.250
20	606.750	45	613.000	70	619.250	95	625.500
21	607.000	46	613.250	71	619.500	96	625.750
22	607.250	47	613.500	72	619.750	97	626.000
23	607.500	48	613.750	73	620.000	98	626.250
24	607.750	49	614.000	74	620.250	99	626.500
25	608.000	50	614.250	75	620.500	100	626.750

MICROPHONE 2 FREQUENCY: 627.000~651.750 MHz

CH	FREQUENCY	CH	FREQUENCY	CH	FREQUENCY	CH	FREQUENCY
1	627.000	26	633.250	51	639.500	76	645.750
2	627.250	27	633.500	52	639.750	77	646.000
3	627.500	28	633.750	53	640.000	78	646.250
4	627.750	29	634.000	54	640.250	79	646.500
5	628.000	30	634.250	55	640.500	80	646.750
6	628.250	31	634.500	56	640.750	81	647.000
7	628.500	32	634.750	57	641.000	82	647.250
8	628.750	33	635.000	58	641.250	83	647.500
9	629.000	34	635.250	59	641.500	84	647.750
10	629.250	35	635.500	60	641.750	85	648.000
11	629.500	36	635.750	61	642.000	86	648.250
12	629.750	37	636.000	62	642.250	87	648.500
13	630.000	38	636.250	63	642.500	88	648.750
14	630.250	39	636.500	64	642.750	89	649.000
15	630.500	40	636.750	65	643.000	90	649.250
16	630.750	41	637.000	66	643.250	91	649.500
17	631.000	42	637.250	67	643.500	92	649.750
18	631.250	43	637.500	68	643.750	93	650.000
19	631.500	44	637.750	69	644.000	94	650.250
20	631.750	45	638.000	70	644.250	95	650.500
21	632.000	46	638.250	71	644.500	96	650.750
22	632.250	47	638.500	72	644.750	97	651.000
23	632.500	48	638.750	73	645.000	98	651.250
24	632.750	49	639.000	74	645.250	99	651.500
25	633.000	50	639.250	75	645.500	100	651.750



WARRANTY

One-Year Limited Warranty for Home Use Equipment

Our one-year warranty applies to speakers, amplifiers, mixers and microphones for home use only. It covers both parts and labors. The warranty becomes effective on the date of your purchase.

Our warranty only covers defects due to product defectiveness with free of defects in materials or workmanship. However, our warranty does not cover defects due to normal wears, damage in transit, improper use, abuse or failure to follow the proper instructions for maintenance. This warranty is void in the event of unauthorized repairs, alterations, modifications and removing of the product label.

Please also note that our warranty does not cover any shipping cost for the return of defective products to us for inspection, repair and maintenance. Our warranty for Better Music Builder products can only be executed in North America.

NOTE ➤ Our warranty does not cover the battery for wireless microphone products.

90-Day Limited Warranty for Public and Commercial Use Equipment

Our 90-day warranty applies to speakers, amplifiers, mixers and microphones for both public and commercial use such as restaurant, coffee shop, KTV nightclub, church and school, etc. It covers both parts and labors. The warranty becomes effective on the date of your purchase.

To Register Your Warranty

Please submit the warranty card that comes with your unit; it is also download on our website . However, we need the invoice for your purchase in order to process this warranty. You may also register your warranty online.

Please visit our website at www.BetterMusicBuilder.com.

PRECAUTION

1. If using more than one microphone system, please select the operating frequency or signal channel carefully so as to avoid disturbing.
2. The input power voltage of the 2-in-1 Base Module is 110V/120V ($\pm 10\%$). If it is too low or too high, it will affect the work of the machine.
3. When installing batteries, reversing the electrode will damage the machine.



Caution: To reduce the risk of electrical shock, do not remove the cover (or back). No user serviceable parts inside: refer servicing to qualified personnel.

Warning: To reduce the risk of fire or electrical shock, do not expose this appliance to rain or moisture.



This symbol, wherever it appears, alerts you to the presence of uninsulated dangerous voltage inside the enclosure voltage that may be sufficient to constitute a risk of shock.



This symbol, wherever it appears, alerts you to important operating and maintenance instructions in the accompanying literature. Read the manual.



CONTACT INFORMATION

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FAX NUMBERS



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Sales & Marketing: 510-477-9922
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WORLD WIDE WEB



E-mail: sales@bettermusicbuilder.com
Website: www.bettermusicbuilder.com

MAINTENANCE

NOTE

[illegible]

Better Music Builder® is a leader in the Audio and Karaoke equipment industry. We are committed to offering you high quality audio products. Unlike any others brand, we deliver the best cost and value to you directly. For the latest update information including operation manuals, installation instructions, hook-up diagram and other new technologies updates etc. please visit us at our website www.BetterMusicBuilder.com.



Passionate about Music
www.BetterMusicBuilder.com



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