

Professional UHF Wireless Microphone System

VM-92U 

Operating Instructions

UHF
64 Frequency
Selectable



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.

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INTRODUCTION

Professional UHF Wireless Microphone is the third generation of UHF wireless microphone designed by the engineering team of Better Music Builder.

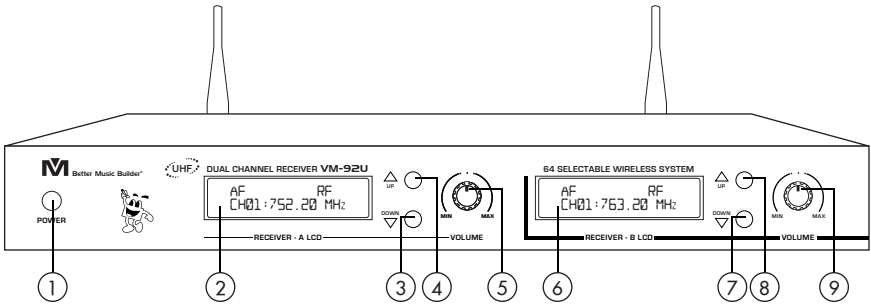
Better Music Builder VM-92U wireless microphone is a design for high value with one receiver and two hand-held microphones whose cone was made of aluminum. Each microphone has 32 built-in UHF frequencies for selection. The receiver has a LCD screen in the panel, so you can look up the detailed information from it. The audio out has a XLR balanced for each channel and also has unbalanced mixed channels out.

SYSTEM CHARACTERISTICS

1. Equipped with the latest wireless technology and UHF dual-channel with one receiver to picks up weak signals and prevents signal interference.
2. Clear LCD screen that can allow you to check AF (Audio Frequency) and RF (Radio Frequency) signal levels.
3. One receiver has two built-in units (Receiver A and Receiver B).
4. Easy to select channels with pre-set frequencies.
5. Each microphone has 32 channels. There are a total of 64 frequencies in two microphones.
6. Easy and convenient mounting for portable rack.
7. Adjustable antennas for different angles to receive better signals.

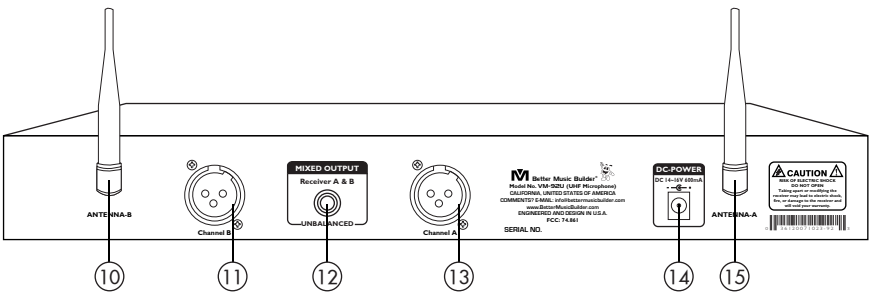
RECEIVER SPECIFICATION

A. NAMES & FUNCTION:



Front Panel:

1. Power button On/Off.
2. Receiver A LCD screen: Channel A with 32 Built-In Channels with different UHF frequencies.
3. "▼" DOWN button selects different frequency & model settings (Receiver A)
4. "▲" UP button selects different frequency & model settings (Receiver A)
5. Volume control (Receiver A)
6. Receiver B LCD screen: Channel A with 32 Built-In Channels with different UHF frequencies.
7. "▼" DOWN button selects different frequency & model settings (Receiver B)
8. "▲" UP button selects different frequency & model settings (Receiver B)
9. Volume control (Receiver B)

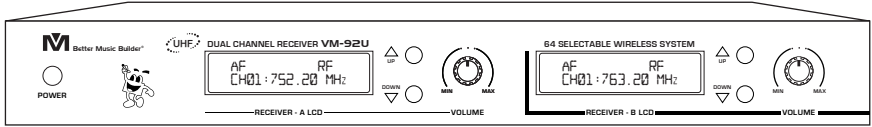


Rear Panel:

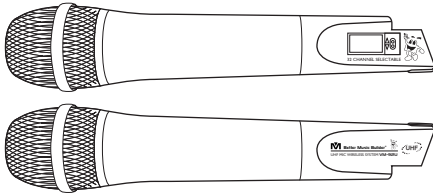
10. Receiver Antenna Input-B. (Receiver B) BNC Socket.
11. Channel B XLR 3M socket balanced audio output 50Hz~15kHz +/-3dB.
12. Receiver A & B 1/4-inch (6.3 mm) jack socket unbalanced audio output, mixed channel A & B.
13. Channel A XLR balanced audio output 50Hz~15kHz +/-3dB.
14. Power supply dock with removable IEC cable 14~16V 600mA.
15. Receiver Antenna Input-A. (Receiver A) BNC Socket.

THE SYSTEM INCLUDES THE FOLLOWING PARTS

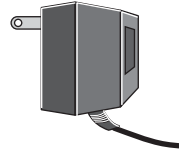
The package comes with one receiver, two transmitters, one DC power adaptor, one audio cable, two 9V batteries, and two antennas.



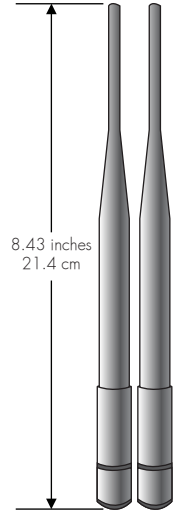
Receiver: 1 Set



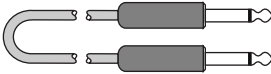
Hand-held Transmitter: 2 Set



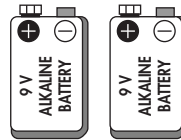
DC Power Adaptor: 1 Unit



Receiving Antenna: 2 Units



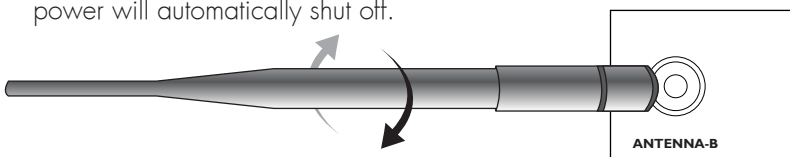
Audio Cable (for mixed out): 1 Unit



9V Battery: 2 Units

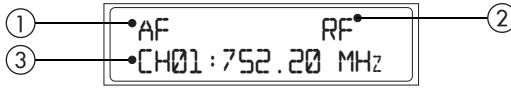
SETTING UP YOUR RECEIVER

1. Screw the antennas (BNC socket) into the rear panel of the receiver in a vertical 90° angle and turn it in clockwise to lock it.
You can adjust the antennas to angle differently for adjusting signal strengths.
2. Insert the DC adaptor into the power socket of the rear panel the power supply must comply the requirement of the system.
3. To turn on, turn Volume to the minimum. After turning on the "POWER" button, "PRO-MIC" would immediately appear in the LCD screen. Then, it takes about five seconds for ready to use.
4. Adjust the settings to your liking (See the description for the LCD or control panel).
5. To turn off, press and hold the power button until the power light turn off. Then power will automatically shut off.



RECEIVER LCD PANEL DESCRIPTION

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



1. RF (radio frequency) Indicator
2. AF (audio frequency) Indicator
3. Current Channel/Frequency Display: current value depends on your setting.

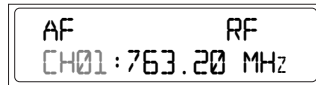
NOTE ➤ If there is static or no sound coming out of your speakers, than there may be a frequency interruption from another system, change your frequency to match your transmitter's (microphone) frequency.

HOW TO SELECT FREQUENCIES?

The manufacturer has already pre-set a particular frequency for each channel. To select the frequency, you can use either Receiver A or Receiver B and press the upper button for selection. Selection for frequency at either Receiver A or Receiver B will work.



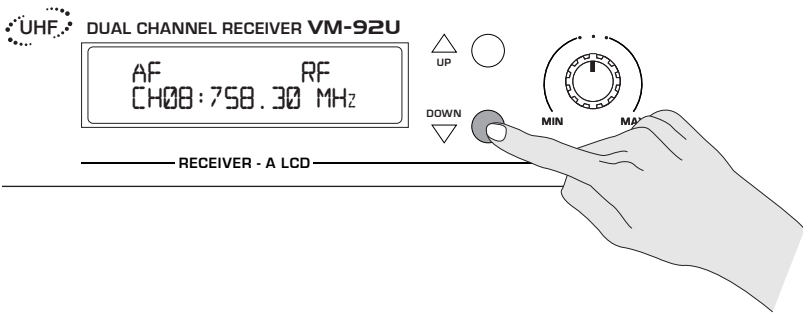
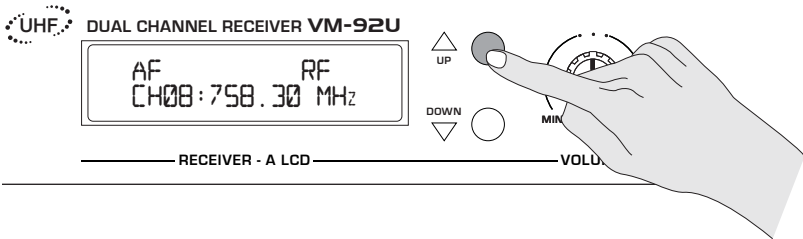
RECEIVER - A LCD



RECEIVER - B LCD

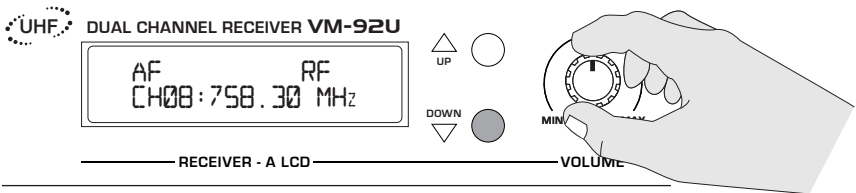
HOW TO ADJUST RECEIVER SETTINGS

To adjust your receiver's channel/frequency by pressing the "▲" UP or "▼" DOWN button to select your frequency.



Turn "VOLUME" button to adjust your vocal volume.

NOTE ► We recommend setting the volume to the maximum, then control it from the mixer.



NOTE ► If you or anyone do any damage on any part of the receiver either accidentally or intentionally, we have the right to void your warranty.

HOW TO CONNECT AUDIO OUT

There are three different connectors as shown in the following diagram:

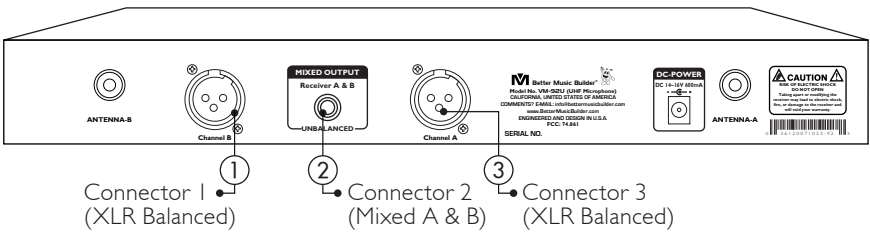
- Connector 1 is a channel B XLR-balanced audio out
- Connector 2 is a mixed audio output (Channel A and Channel B)
- Connector 3 is a channel A XLR-balanced audio out

NOTE ➤

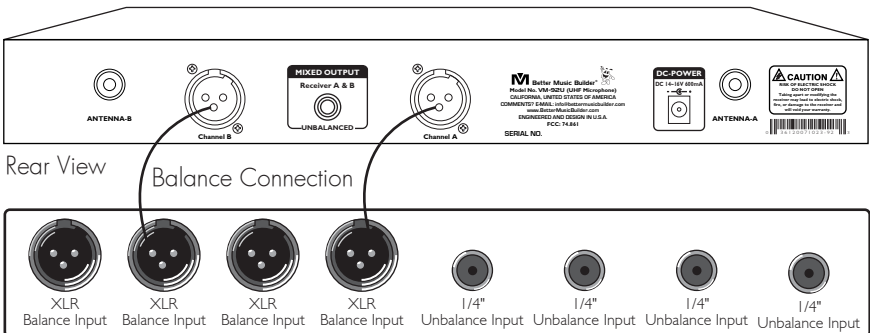
Connector 1 (Channel B) is a balanced XLR audio signal. If you connect B to the mixer or amplifier, then you can control the microphone effect on MIC. B only.

Connector 2 is an unbalanced 1/4 audio signal. If you connect to Connect 2 (1/4), both MIC. A and MIC. B will mix together to produce the same signal. If you want to produce different effects on MIC. A and MIC. B, you need to connect to XLR (Connector 1), which is equivalent to channel B, and XLR (Connector 3), which is equivalent to channel A. You can also adjust different echo or mic. tone effects on each microphone (i.e. MIC. A and MIC. B).

Connector 3 (Channel A) is a balanced XLR audio signal. If you connect A to the mixer or amplifier, then you can control the microphone effect on MIC. A only.

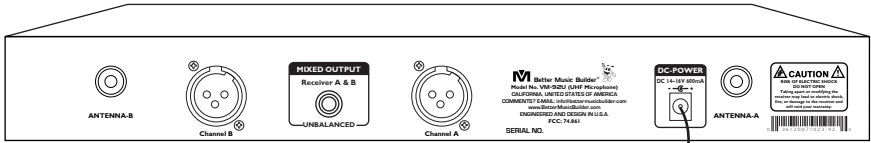


UHF WIRELESS SYSTEM DIAGRAM

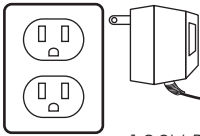


Audio Mixer Amplifier or a Karaoke Unit Input terminal

DC-POWER CONNECTION



Rear View



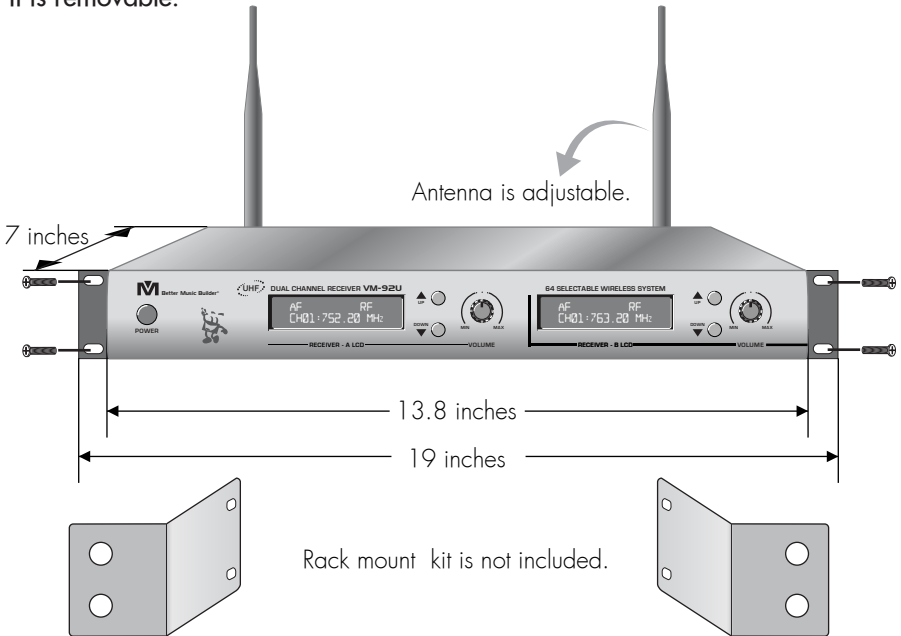
120V DC 14~16V 600mA adaptor

NOTE ➔

If you use 220V to 240V, you must make sure to use a right adaptor, otherwise, it would damage your system. Our warranty does not cover this.

OPTIONAL: 19" RACK MOUNT KIT

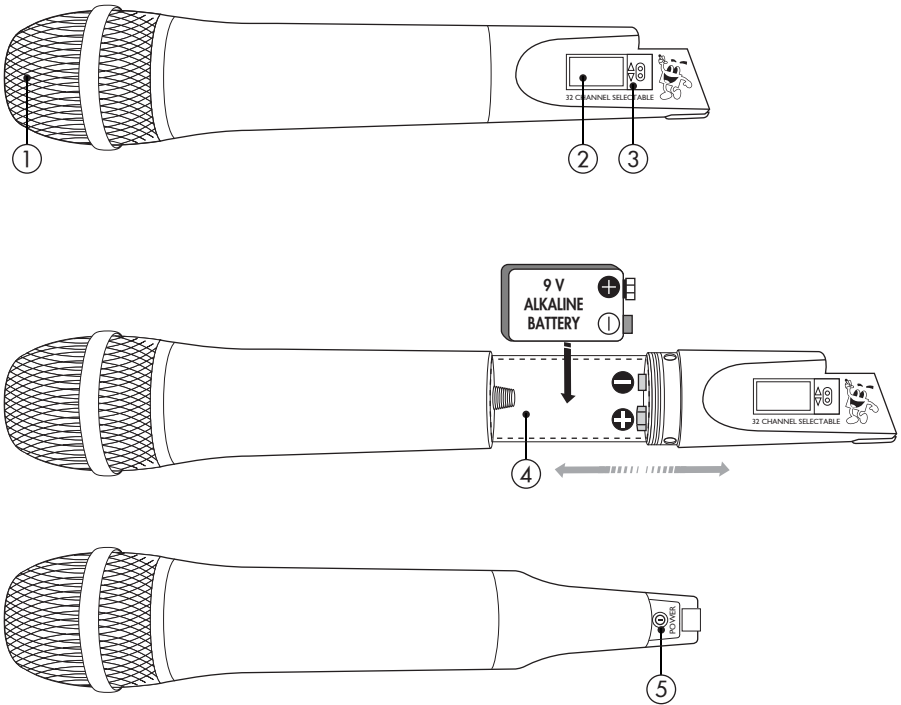
If you want to put the system onto a mount-kit, please follow the below diagram. Our design has this special feature to allow it to mount on a DJ rack. It is removable.



HAND-HELD TRANSMITTER (Wireless Mic.) DESCRIPTION

NAMES & FUNCTION:

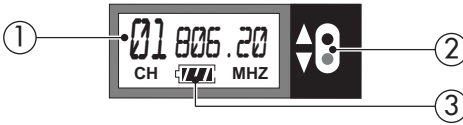
Uncover Looking of the Handheld Transmitter:



1. Condenser and grille.
2. LCD digital display.
3. "▲" or "▼" buttons: Adjustment buttons to select Channel/Frequency.
4. Battery dock: insert 1x9V battery or rechargeable battery into the battery slot, putting battery's polarity on different ends may damage system and your warranty may be terminated if damage does occur because of it.
5. Power switch: To turn on press and hold the power button located on the bottom cap of the transmitter for 2-3 seconds, until the LCD screen is on. To turn off press and hold the power button until LCD screen is off.

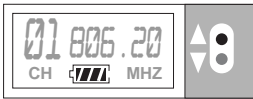
HAND-HELD TRANSMITTER LCD PANEL DESCRIPTION

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



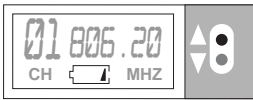
1. Display Channel/Frequency: Current value depends on your setting.
2. "▲" or "▼" buttons: Adjustment buttons to select Channel/Frequency.
3. Battery Status: Indicates charge remaining in transmitter batteries.

BATTERY STATUS



Indicates a full battery on the transmitter.

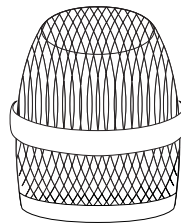
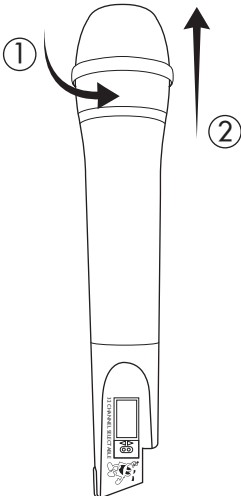
Full Battery



Indicates a low battery on the transmitter. When it shows a low battery as shown on the left, you need to change the battery or recharge the battery immediately.

Low Battery

INTERCHANGEABLE MICROPHONE HEAD



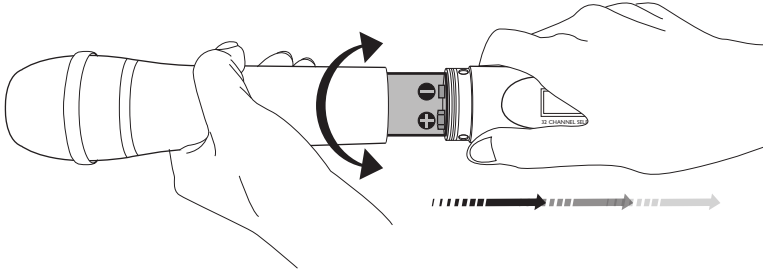
Interchangeable microphone head

NOTE

You can order the replacement parts (such as the microphone head as shown in the above figure) from any of our authorized dealers.

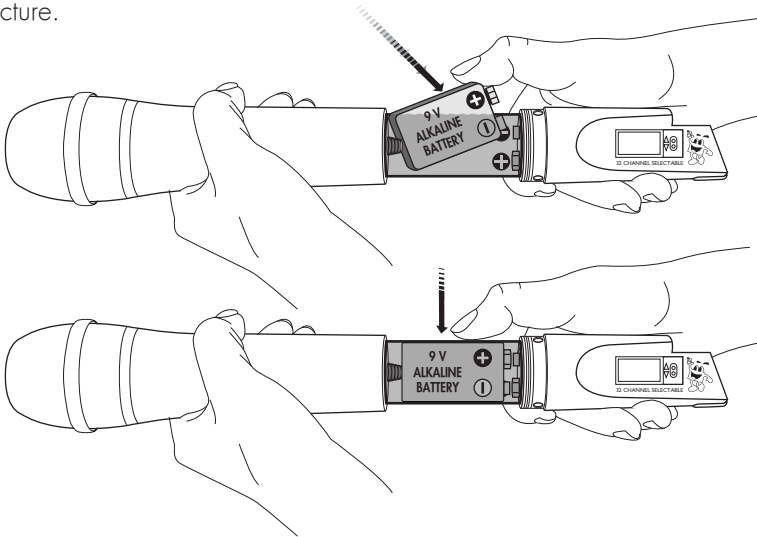
HOW TO INSERT HAND-HELD TRANSMITTER'S BATTERIES

1. Twist open battery cover. Use one hand to hold onto the top of your transmitter, use the other hand to twist out your transmitter's handle.

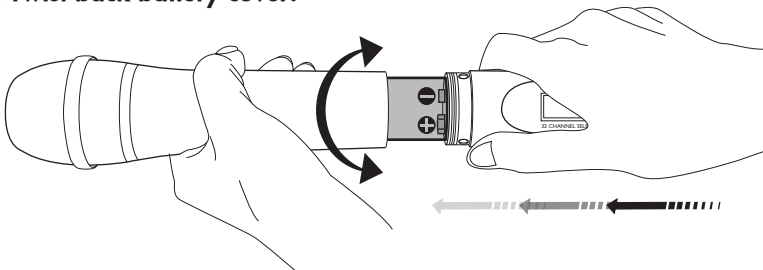


2. Use one hand to hold onto the top of your transmitter, with your other hand slide one 9V battery into battery slot. Be careful not to drop transmitter while inserting battery.

Make sure that you insert the battery at the right electric poles, as shown in picture.



3. Twist back battery cover.

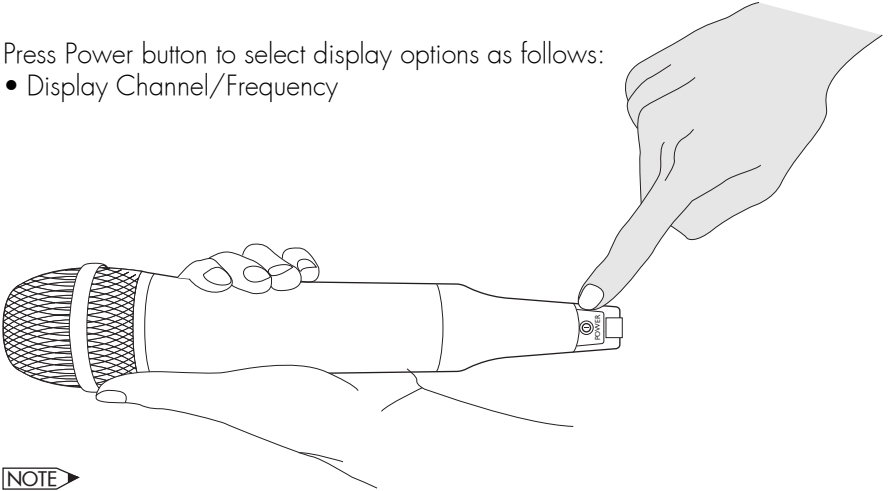


HOW TO TURN ON AND OFF HAND-HELD TRANSMITTER

Press and hold power button to turn on/off your transmitter. When on transmitter's LCD screen will have display, when off transmitter's LCD screen will be off.

Press Power button to select display options as follows:

- Display Channel/Frequency



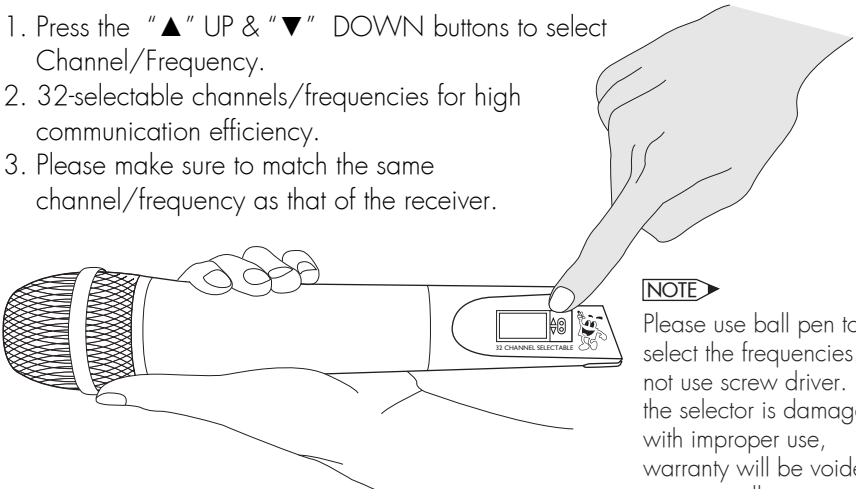
NOTE

After pressing the button for three seconds, the transmitter should turn on. If the transmitter is still off, please check the battery. It may very low. You need to change the battery or recharge it immediately.

HOW TO CHANGE HAND-HELD TRANSMITTER SETTINGS

Selecting Transmitter's Channel/Frequency

1. Press the "▲" UP & "▼" DOWN buttons to select Channel/Frequency.
2. 32-selectable channels/frequencies for high communication efficiency.
3. Please make sure to match the same channel/frequency as that of the receiver.



NOTE

Please use ball pen to select the frequencies. Do not use screw driver. If the selector is damaged with improper use, warranty will be voided automatically.

TECHNICAL SPECIFICATION

A. SYSTEM FEATURE:

1. Channel: 64
2. Frequency Range: 780MHz~850MHz (Selectable)
3. Frequency Stabilization: $< \pm 30\text{ppm}$
4. Dynamic Range: More than 90dB
5. Total Harmonic Distortion: Less than 0.5%
6. Audio Frequency Response: 40Hz~15KHz $\pm 3\text{dB}$
7. Audio Output Level: Balance Output: 0~ $\pm 400\text{mV}$
Unbalance Output: 0~ $\pm 200\text{mV}$
8. Receiver Dimensions (WxHxD): 13.8x1.8x7.2 (inches)/35x4.5x18.3 (cm)
9. Handheld Transmitter Dimensions (WxH): 1.97x10 (inches)/5x25.5 (cm)
10. Net Weight: 6.6 lbs / 3.1 kg
11. Shipping Weight: 7.6 lbs / 3.4 kg

B. TECHNOLOGICAL FEATURE OF THE TRANSMITTER:

1. Transmitter Power: 8.5mW
2. Max Deviation: $\pm 25\text{KHz}$
3. Adjustment Mode: FM, F3F
4. Spurious Emission: $> 40\text{dB}$ (with carrier)
5. Continuous Using: 6 hour (GP) 1604s 9V battery
6. Battery: 9V Battery
7. Noise Control: perfectness circuit for eliminating noises

C. TECHNOLOGICAL FEATURE OF THE RECEIVER:

1. Signal/Noise Ratio: More than 90dB
2. Image & Spurious Rejection: More than 80dB
3. Border Upon Channel Rejection: More than 80dB
4. Receiving Sensitivity: Less than 10dBuV
5. DE-Emphasis: 50us
6. DC-Power: 14~16V DC
7. Work Current: 600mA

THIS SYSTEM INCLUDES THE FOLLOWING

Receiver: 1 Set
Handheld Transmitter: 2 Sets
9V Battery: 2 Units
Antenna: 2 Units
DC-Power adaptor: 1 Unit
Audio Connecting Cable: 1 Unit
Instructional Manual: 1 PC

VM-92U FCC FREQUENCY 750 MHz and 800 MHz

Group A

| Channel Number | Receiver A Frequency | Receiver B Frequency |
|----------------|----------------------|----------------------|
| 1 | 752.200 MHz | 775.200 MHz |
| 2 | 752.500 MHz | 775.500 MHz |
| 3 | 752.800 MHz | 775.800 MHz |
| 4 | 753.100 MHz | 776.100 MHz |
| 5 | 753.400 MHz | 776.400 MHz |
| 6 | 753.700 MHz | 776.700 MHz |
| 7 | 754.000 MHz | 777.000 MHz |
| 8 | 754.300 MHz | 777.300 MHz |
| 9 | 754.600 MHz | 777.600 MHz |
| 10 | 754.900 MHz | 777.900 MHz |
| 11 | 755.200 MHz | 778.200 MHz |
| 12 | 755.500 MHz | 778.500 MHz |
| 13 | 755.800 MHz | 778.800 MHz |
| 14 | 756.100 MHz | 779.100 MHz |
| 15 | 756.400 MHz | 779.400 MHz |
| 16 | 756.700 MHz | 779.700 MHz |
| 17 | 757.000 MHz | 780.000 MHz |
| 18 | 757.300 MHz | 780.300 MHz |
| 19 | 757.600 MHz | 780.600 MHz |
| 20 | 757.900 MHz | 780.900 MHz |
| 21 | 758.200 MHz | 781.200 MHz |
| 22 | 758.500 MHz | 781.500 MHz |
| 23 | 758.800 MHz | 781.800 MHz |
| 24 | 759.100 MHz | 782.100 MHz |
| 25 | 759.400 MHz | 782.400 MHz |
| 26 | 759.700 MHz | 782.700 MHz |
| 27 | 760.000 MHz | 783.000 MHz |
| 28 | 760.300 MHz | 783.300 MHz |
| 29 | 760.600 MHz | 783.600 MHz |
| 30 | 760.900 MHz | 783.900 MHz |
| 31 | 761.200 MHz | 784.200 MHz |
| 32 | 761.500 MHz | 784.500 MHz |

Group B

| Channel Number | Receiver A Frequency | Receiver B Frequency |
|----------------|----------------------|----------------------|
| 1 | 763.200 MHz | 787.200 MHz |
| 2 | 763.500 MHz | 787.500 MHz |
| 3 | 763.800 MHz | 787.800 MHz |
| 4 | 764.100 MHz | 788.100 MHz |
| 5 | 764.400 MHz | 788.400 MHz |
| 6 | 764.700 MHz | 788.700 MHz |
| 7 | 765.000 MHz | 789.000 MHz |
| 8 | 765.300 MHz | 789.300 MHz |
| 9 | 765.600 MHz | 789.600 MHz |
| 10 | 765.900 MHz | 789.900 MHz |
| 11 | 766.200 MHz | 790.200 MHz |
| 12 | 766.500 MHz | 790.500 MHz |
| 13 | 766.800 MHz | 790.800 MHz |
| 14 | 767.100 MHz | 791.100 MHz |
| 15 | 767.400 MHz | 791.400 MHz |
| 16 | 767.700 MHz | 791.700 MHz |
| 17 | 768.000 MHz | 792.000 MHz |
| 18 | 768.300 MHz | 792.300 MHz |
| 19 | 768.600 MHz | 792.600 MHz |
| 20 | 768.900 MHz | 792.900 MHz |
| 21 | 769.200 MHz | 793.200 MHz |
| 22 | 769.500 MHz | 793.500 MHz |
| 23 | 769.800 MHz | 793.800 MHz |
| 24 | 770.100 MHz | 794.100 MHz |
| 25 | 770.400 MHz | 794.400 MHz |
| 26 | 770.700 MHz | 794.700 MHz |
| 27 | 771.000 MHz | 795.000 MHz |
| 28 | 771.300 MHz | 795.300 MHz |
| 29 | 771.600 MHz | 795.600 MHz |
| 30 | 771.900 MHz | 795.900 MHz |
| 31 | 772.200 MHz | 796.200 MHz |
| 32 | 772.500 MHz | 796.500 MHz |

FREQUENCY SCAN GROUPS FOR BAND C & BAND D

Band C

| Band C Scan Group 1 | | | Band C Scan Group 2 | | | Band C Scan Group 3 | | |
|---------------------|-------------------|---|---------------------|-------------------|---|---------------------|-------------------|---|
| TV Ch. | Frequency – MHz * | | TV Ch. | Frequency – MHz * | | TV Ch. | Frequency – MHz * | |
| 25 | (None) | 0 | 25 | 541.500 | 1 | 25 | 541.500 | 1 |
| 26 | 542.750 | | 26 | 542.750 | | 26 | 542.125 | |
| 26 | 545.500 | | 26 | 544.375 | | 26 | 543.500 | |
| 26 | 547.125 | | 26 | 544.750 | | 26 | 544.000 | |
| 26 | 547.375 | 4 | 26 | 545.750 | | 26 | 546.250 | 4 |
| 27 | 549.750 | | 26 | 547.500 | 5 | 27 | 548.250 | |
| 27 | 550.375 | | 27 | (None) | 0 | 27 | 549.750 | 2 |
| 27 | 550.625 | 3 | 28 | 554.250 | | 28 | 555.750 | |
| 28 | 557.250 | | 28 | 556.125 | | 28 | 556.625 | |
| 28 | 557.500 | | 28 | 557.500 | | 28 | 558.250 | |
| 28 | 559.250 | | 28 | 559.375 | 4 | 28 | 559.375 | 4 |
| 28 | 559.500 | 4 | 29 | 560.000 | | 29 | 560.125 | |
| 29 | 562.000 | | 29 | 561.875 | | 29 | 561.500 | |
| 29 | 563.375 | | 29 | 562.250 | | 29 | 564.000 | |
| 29 | 563.625 | 3 | 29 | 563.250 | | 29 | 564.250 | 4 |
| 30 | 566.000 | | 29 | 565.500 | 5 | 30 | 566.125 | 1 |
| 30 | 566.250 | 2 | 30 | 566.000 | 1 | | | |

Band D

| Band D Scan Group 1 | | | Band D Scan Group 2 | | | Band D Scan Group 3 | | |
|---------------------|-------------------|---|---------------------|-------------------|---|---------------------|-------------------|---|
| TV Ch. | Frequency – MHz * | | TV Ch. | Frequency – MHz * | | TV Ch. | Frequency – MHz * | |
| 44 | 655.500 | 1 | 44 | 655.875 | 1 | 44 | 655.500 | |
| 45 | 658.000 | | 45 | 656.250 | | 44 | 655.750 | 2 |
| 45 | 658.375 | | 45 | 658.500 | | 45 | 656.625 | |
| 45 | 659.250 | | 45 | 659.750 | | 45 | 658.500 | |
| 45 | 659.500 | | 45 | 660.000 | | 45 | 658.750 | |
| 45 | 661.500 | 5 | 45 | 660.500 | 5 | 45 | 659.500 | 4 |
| 46 | 662.375 | | 46 | 664.375 | | 46 | 662.750 | |
| 46 | 662.750 | 2 | 46 | 665.500 | 2 | 46 | 665.250 | 2 |
| 47 | 669.625 | | 47 | 671.625 | | 47 | 671.250 | |
| 47 | 671.750 | 2 | 47 | 672.000 | 2 | 47 | 672.375 | |
| 48 | 674.750 | | 48 | 674.000 | | 47 | 673.125 | 3 |
| 48 | 675.750 | | 48 | 674.500 | | 48 | 674.125 | |
| 48 | 676.125 | | 48 | 675.750 | | 48 | 674.500 | |
| 48 | 678.000 | | 48 | 676.750 | | 48 | 675.375 | |
| 48 | 678.250 | | 48 | 678.250 | 5 | 48 | 678.625 | |
| 48 | 679.500 | 6 | 49 | 680.250 | 1 | 48 | 679.125 | 5 |
| 49 | (None) | 0 | 49 | (None) | 0 | | | |

* Number of wireless frequencies in TV Channel.

US UHF WIRELESS OPERATING FREQUENCIES

| TV ch. | Band C: 541.500 - 566.375 MHz | | | | | | | |
|--------|-------------------------------|---------|---------|---------|---------|---------|----------|---------|
| 25 | – | – | – | – | 541.500 | 541.625 | 541.750 | 541.875 |
| 26 | 542.000 | 542.125 | 542.250 | 542.375 | 542.500 | 542.625 | 542.750 | 542.875 |
| 26 | 543.000 | 543.125 | 543.250 | 543.375 | 543.500 | 543.625 | 543.750 | 543.875 |
| 26 | 544.000 | 544.125 | 544.250 | 544.375 | 544.500 | 544.625 | 544.750 | 544.875 |
| 26 | 545.000 | 545.125 | 545.250 | 545.375 | 545.500 | 545.625 | 545.750 | 545.875 |
| 26 | 546.000 | 546.125 | 546.250 | 546.375 | 546.500 | 546.625 | 546.750 | 546.875 |
| 26 | 547.000 | 547.125 | 547.250 | 547.375 | 547.500 | 547.625 | 547.750 | 547.875 |
| 27 | 548.000 | 548.125 | 548.250 | 548.375 | 548.500 | 548.625 | 548.750 | 548.875 |
| 27 | 549.000 | 549.125 | 549.250 | 549.375 | 549.500 | 549.625 | 549.750 | 549.875 |
| 27 | 550.000 | 550.125 | 550.250 | 550.375 | 550.500 | 550.625 | 550.750 | 550.875 |
| 27 | 551.000 | 551.125 | 551.250 | 551.375 | 551.500 | 551.625 | 551.750 | 551.875 |
| 27 | 552.000 | 552.125 | 552.250 | 552.375 | 552.500 | 552.625 | 552.750 | 552.875 |
| 27 | 553.000 | 553.125 | 553.250 | 553.375 | 553.500 | 553.625 | 553.750 | 553.875 |
| 28 | 554.000 | 554.125 | 554.250 | 554.375 | 554.500 | 554.625 | 554.750 | 554.875 |
| 28 | 555.000 | 555.125 | 555.250 | 555.375 | 555.500 | 555.625 | 555.750 | 555.875 |
| 28 | 556.000 | 556.125 | 556.250 | 556.375 | 556.500 | 556.625 | 556.750 | 556.875 |
| 28 | 557.000 | 557.125 | 557.250 | 557.375 | 557.500 | 557.625 | 557.750 | 557.875 |
| 28 | 558.000 | 558.125 | 558.250 | 558.375 | 558.500 | 558.625 | 558.750 | 558.875 |
| 28 | 559.000 | 559.125 | 559.250 | 559.375 | 559.500 | 559.625 | 559.750 | 559.875 |
| 29 | 560.000 | 560.125 | 560.250 | 560.375 | 560.500 | 560.625 | 560.750 | 560.875 |
| 29 | 561.000 | 561.125 | 561.250 | 561.375 | 561.500 | 561.625 | 561.750 | 561.875 |
| 29 | 562.000 | 562.125 | 562.250 | 562.375 | 562.500 | 562.62 | 5562.750 | 562.875 |
| 29 | 563.000 | 563.125 | 563.250 | 563.375 | 563.500 | 563.625 | 563.750 | 563.875 |
| 29 | 564.000 | 564.125 | 564.250 | 564.375 | 564.500 | 564.625 | 564.750 | 564.875 |
| 29 | 565.000 | 565.125 | 565.250 | 565.375 | 565.500 | 565.625 | 565.750 | 565.875 |
| 30 | 566.000 | 566.125 | 566.250 | 566.375 | – | – | – | – |

Avoid using same frequencies as TV channels or other radio signals for better performance.

| TV ch. | Band D: 655.500 - 680.375 MHz | | | | | | | |
|--------|--------------------------------------|---------|---------|---------|---------|---------|---------|---------|
| 44 | – | – | – | – | 655.500 | 655.625 | 655.750 | 655.875 |
| 45 | 656.000 | 656.125 | 656.250 | 656.375 | 656.500 | 656.625 | 656.750 | 656.875 |
| 45 | 657.000 | 657.125 | 657.250 | 657.375 | 657.500 | 657.625 | 657.750 | 657.875 |
| 45 | 658.000 | 658.125 | 658.250 | 658.375 | 658.500 | 658.625 | 658.750 | 658.875 |
| 45 | 659.000 | 659.125 | 659.250 | 659.375 | 659.500 | 659.625 | 659.750 | 659.875 |
| 45 | 660.000 | 660.125 | 660.250 | 660.375 | 660.500 | 660.625 | 660.750 | 660.875 |
| 45 | 661.000 | 661.125 | 661.250 | 661.375 | 661.500 | 661.625 | 661.750 | 661.875 |
| 46 | 662.000 | 662.125 | 662.250 | 662.375 | 662.500 | 662.625 | 662.750 | 662.875 |
| 46 | 663.000 | 663.125 | 663.250 | 663.375 | 663.500 | 663.625 | 663.750 | 663.875 |
| 46 | 664.000 | 664.125 | 664.250 | 664.375 | 664.500 | 664.625 | 664.750 | 664.875 |
| 46 | 665.000 | 665.125 | 665.250 | 665.375 | 665.500 | 665.625 | 665.750 | 665.875 |
| 46 | 666.000 | 666.125 | 666.250 | 666.375 | 666.500 | 666.625 | 666.750 | 666.875 |
| 46 | 667.000 | 667.125 | 667.250 | 667.375 | 667.500 | 667.625 | 667.750 | 667.875 |
| 47 | 668.000 | 668.125 | 668.250 | 668.375 | 668.500 | 668.625 | 668.750 | 668.875 |
| 47 | 669.000 | 669.125 | 669.250 | 669.375 | 669.500 | 669.625 | 669.750 | 669.875 |
| 47 | 670.000 | 670.125 | 670.250 | 670.375 | 670.500 | 670.625 | 670.750 | 670.875 |
| 47 | 671.000 | 671.125 | 671.250 | 671.375 | 671.500 | 671.625 | 671.750 | 671.875 |
| 47 | 672.000 | 672.125 | 672.250 | 672.375 | 672.500 | 672.625 | 672.750 | 672.875 |
| 47 | 673.000 | 673.125 | 673.250 | 673.375 | 673.500 | 673.625 | 673.750 | 673.875 |
| 48 | 674.000 | 674.125 | 674.250 | 674.375 | 674.500 | 674.625 | 674.750 | 674.875 |
| 48 | 675.000 | 675.125 | 675.250 | 675.375 | 675.500 | 675.625 | 675.750 | 675.875 |
| 48 | 676.000 | 676.125 | 676.250 | 676.375 | 676.500 | 676.625 | 676.750 | 676.875 |
| 48 | 677.000 | 677.125 | 677.250 | 677.375 | 677.500 | 677.625 | 677.750 | 677.875 |
| 48 | 678.000 | 678.125 | 678.250 | 678.375 | 678.500 | 678.625 | 678.750 | 678.875 |
| 48 | 679.000 | 679.125 | 679.250 | 679.375 | 679.500 | 679.625 | 679.750 | 679.875 |
| 49 | 680.000 | 680.125 | 680.250 | 680.375 | – | – | – | – |

Avoid using same frequencies as TV channels or other radio signals for better performance.

TROUBLESHOOTING

1. SYMPTOM: RECEIVER HAS NO POWER.

If you press the power button on the receiver for more than 5 seconds, you may use the wrong DC adaptor. There are two types of adaptor; AC adaptor and DC adaptor.

2. SYMPTOM: NO SOUND

Before there was sound coming from the speaker, but now there is no sound. Please check your cable connection or your battery.

When you change a new battery, but there is still no sound, the battery may be placed in a wrong position inside the transmitter. Check the battery position.

3. SYMPTOM: NOISE AND INTERFERENCE

If you hear some noises from your speaker, but the microphone is off, it means that two same frequencies are being used within 200 feet. Therefore, we recommend you changing to a different frequency.

When the hand-held microphone is off, the RF should not brink to the maximum level in your receiver.

If you connect the receiver audio out to the mixer for more than 10 feet, we recommend you changing it to a balanced cable (XLR to XLR). It would reduce the noises.

4. SYMPTOM: POOR SIGNAL

Your receiver antenna is not connected properly. Therefore, we recommend you extending the antennae to its maximum length.

Receiver is placed in the portable rack. When receiver and transmitter 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, you need to change to a different frequency. The first step is to change to a different frequency in the receiver. Then, change to a different frequency in the transmitter.

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 from the date of your purchase for one year.

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, alternations, 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 from the date of your purchase for 90 days.

To Register Your Warranty

Please fill out the warranty card that came with your unit, download or submit online warranty form. 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 you want to use more than one of this system, please select the work frequency (or signal channel) carefully so as to avoid disturbing.
2. The input power voltage of the receiver is 120V ($\pm 10\%$). If it is too low or too high, it will affect the work of the machine.
3. When you install the battery, you must not reverse the electrode or you will damage the machine.
4. When using the sensitivity solution function, the numerical value you select must be at least 15dB. Otherwise, if the distance is too far, its signal-to noise radio goes worse.



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.

Better Music Builder is a leader in the Audio and Karaoke equipment industry. We are committed to offering you the high quality audio product.

We may update our manual, so we highly recommend you to download the free update from our website www.BetterMusicBuilder.com.



Passionate about Music

www.BetterMusicBuilder.com