

## VHF Wireless Microphone System

# VM-88

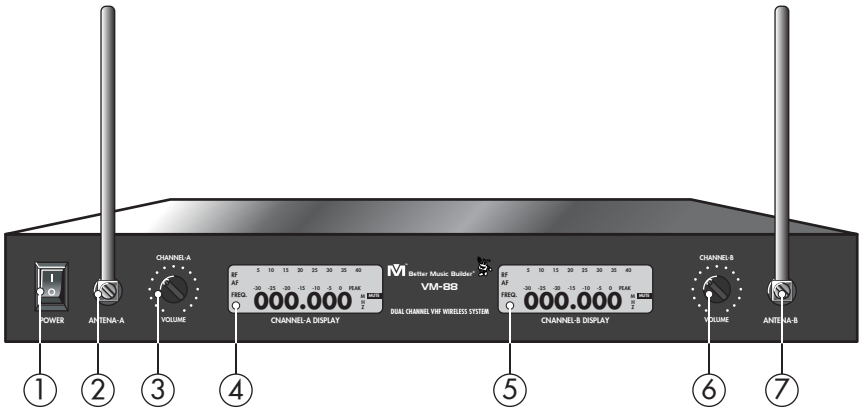
### Operating Instructions



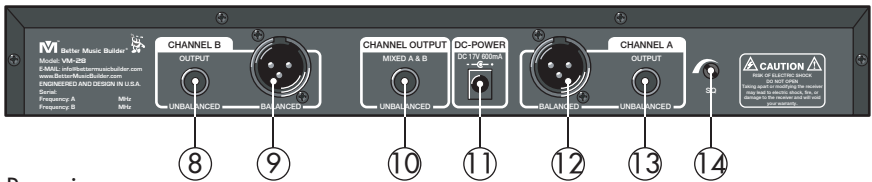
Thank you for purchasing this unit. To make full and effective use of this unit, please read this Owner's Manual carefully before operating it. After reading this manual, retain this booklet together with the Warranty Card for future use in case of maintenance or troubleshooting.



# VM-88 Receiver Features and Controls (Figure 1)



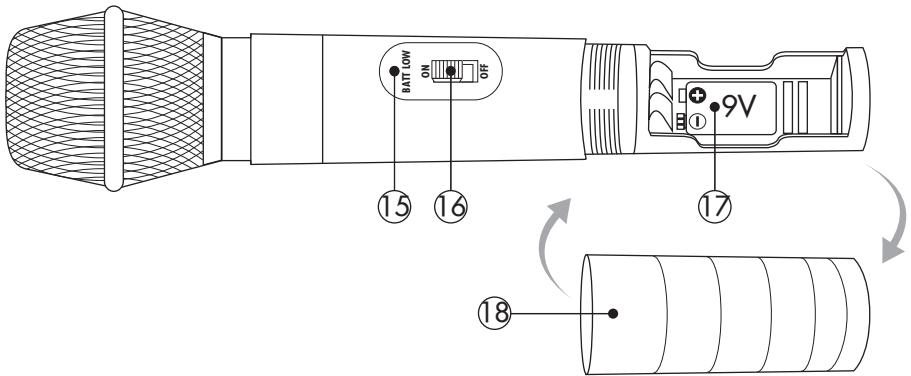
Top view



Rear view

1. Power switch On/Off.
2. Receiver Antenas-A.
3. Channel-A AF volume adjust output jacks +/-15KHz.
4. LED Display (Channel-A).
5. LED Display (Channel-B).
6. Channel-B AF volume adjust output jacks +/-15KHz.
7. Receiver Antenas-B.
8. Channel-B 1/4-inch unbalance audio output connector.
9. Channel-B XLR balance audio output 50Hz~15KHz +/-3dB.
10. Mixed channels 1/4-inch unbalance audio output 50Hz~15KHz +/-3dB.
11. Docking power supply with removable IEC cable 12.5-17.0 V 600mA.
12. Channel-A XLR balance audio output 50Hz~15KHz +/-3dB.
13. Channel-A 1/4-inch unbalance audio output connector.
14. Adjusts squelch control setting to emphasize either signal quality.

## VM-88 Handheld Transmitter (Figure 2)



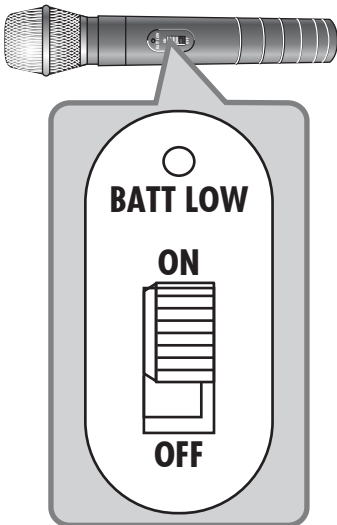
15. Indicates low battery.

16. Easily-accessible power switch On/Off.

17. Battery cover unscrews for access to the 9V battery rechargeable.

18. Variable battery cover.

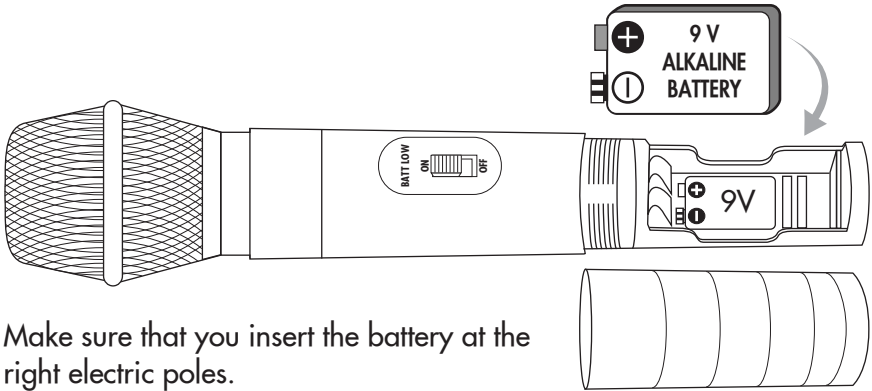
## VM-88 Transmitter Features and Controls (Figure 3)



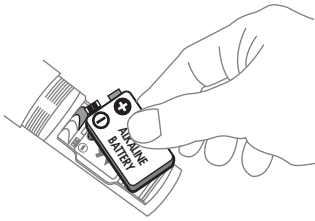
**Battery condition Indicator:** After battery is installed, turn the power on. The battery condition indicator signal light should flash once. If it does not, the battery is installed incorrectly or it is dead. If the indicator signal light stays on (does not flash), the battery voltage is low and the battery should be replaced. If this happens during use, replace (or recharge) the battery immediately to ensure continued operation.

**Transmitter power switch (On/Off)**

## Handheld Transmitter Channel A & B (Figure 4)



## How to install battery to transmitter? (Figure 5)

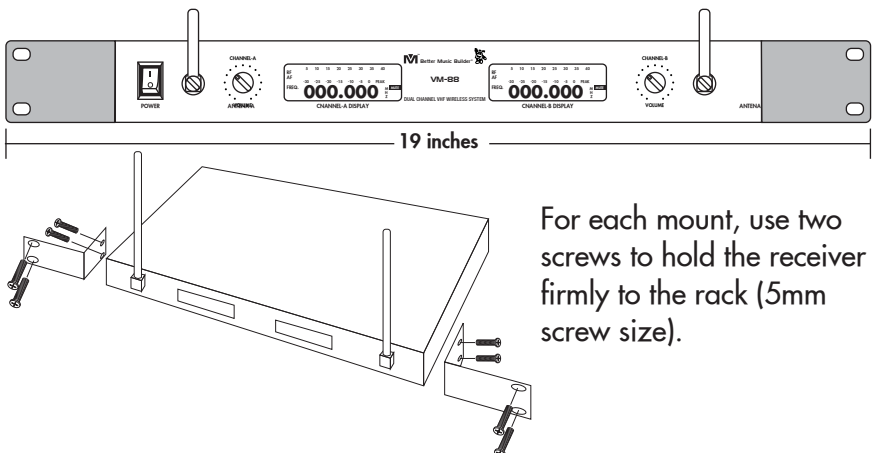


Make sure that you insert the battery at the right electric poles.



Warning: Make sure that you place the 9-V re-chargeable battery in the right position for the positive and negative poles. Otherwise, it may damage the battery.

## How to install the mount to the rack for receiver? (Figure 6)



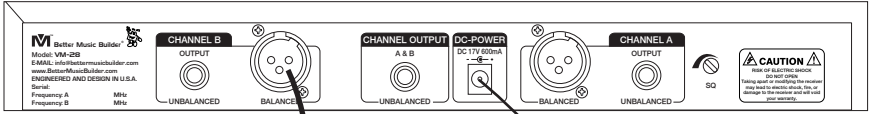
# VM-88 VHF Wireless System Chart (Figure 7)



Channel A Handheld Transmitter

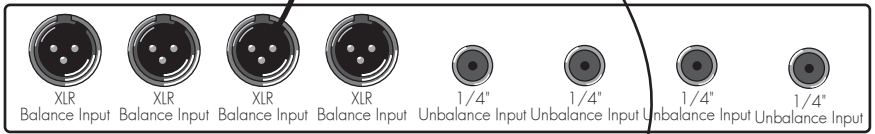


Channel B Handheld Transmitter

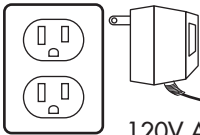


Rear View

## Balance Connection

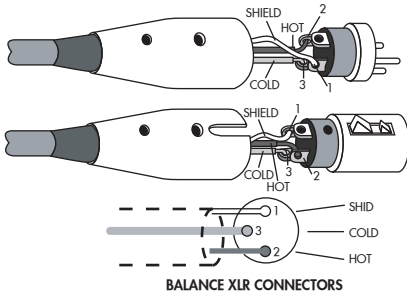


Audio Mixer Amplifier or a Karaoke Unit Input terminal

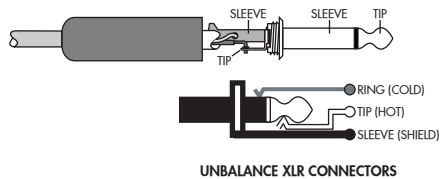


120V AC DC-17V 600mA adaptor

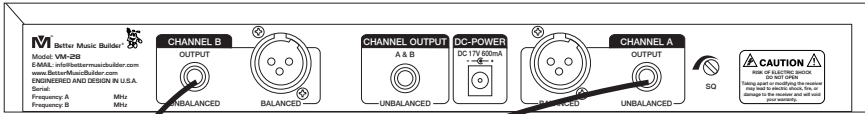
## Audio Cable Balance (Figure 8)



## Audio Cable Unbalance (Figure 9)

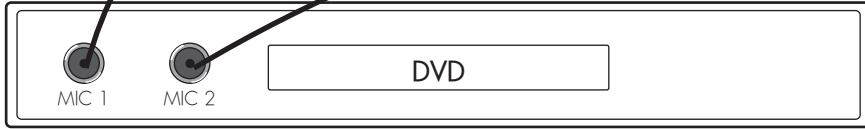


# VM-88 Basic Karaoke Connection Diagram (Figure 10)



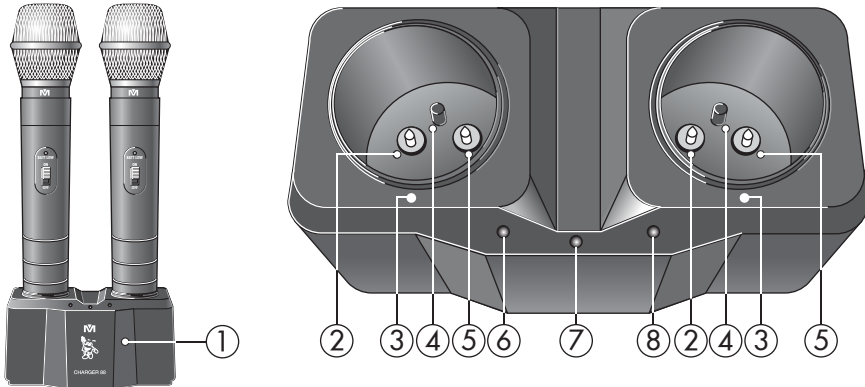
Rear View

Unbalance Connection



DVD Karaoke Player

# VM-88 Charger Model 21 (Figure 11)



1. Charger 21 base.
2. Positive connector.
3. White spot (the accurate point for charging microphone).
4. The positioning needle (that is connected to the hole on the bottom of the microphone).
5. Negative connector.
6. Indicates charging signal (left side transmitter).
7. DC-power 17V 600mA input connected signal (red color).
8. Indicates charging signal (right side transmitter).



Warning: To charge the microphone properly, you must place the microphone in such a way that the turn on/off switch of the microphone is perpendicular to the white spot on the receiver. Otherwise, the microphone cannot be charged.

# Specifications

## RF Carrier Frequency Range

169.445 to 221.350 MHz

## Working Range

100 ft under typical conditions.

## Audio Frequency Response

50 to 15,000 Hz, +/-2 dB

## Audio Output Level (+/-15 kHz deviation, 1 kHz tone)

1/4~inch connector (into 3 k Ohm load): -8.8 dBV (Hi Z)

1/4~inch connector (into 3 k Ohm load): -18 dBV (mix)

RF Power Output: about 30 mWatt

Battery Size: 9V rechargeable

Receiver Dimensions: 350mm(L)x200mm(D)x45mm(H)

Handheld Transmitter Dimensions: 250mm(L)x50mm(H)

Net Weight: 2 lbs

Shipping Weight: 8 lbs

# 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 below. 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](http://www.bettermusicbuilder.com).



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[www.BetterMusicBuilder.com](http://www.BetterMusicBuilder.com)