JBL ENTERTAINMENT by HARMAN

ABOUT VM200

Thanks for purchasing JBL VM200 wireless microphone system.

JBL VM200 boasts ultra-clarity and reliable wireless performance, and meets the high standard from either small karaoke entertainment sound application, or professional applications, such as small flowing performance and small hall sound reinforcement. It provides the following features:

- Preset frequency/channel module for Ch-A and Ch-B
- Auto Scan
- Synchronization through IR
- Auto Mute
- Auto Sleep
- Auto Wakeup

Each package includes one SR200 receiver and two HT200 hand-held transmitters.

Remind: Please do not use more than 18 sets in one Karaoke venue. (Based on one set per room)

PACKING LIST

1) 1 × SR200 receiver
2) 2 × HT200 hand-held transmitters
3) 2 × Antennas
4) 1 × Power adapter(plug type varies by region)
5) 1 × Audio cable (with 6.35 mm plug)
6) 2 × Anti-rolling rubber rings
7) 4 × AA batteries
8) 1 × Quick Start Guide

USER INTERFACE

1. **Volume (A/B):** To lock/unlock SR200, adjust channel volume, or configure channel settings, etc.

   NOTE: Settings of each channel include: SEt Frq (to set the channel frequency), SEt rF (to SEt rF output of HT200), SEt AUd (to set auto attenuation of the output gain of the channel), SEt UI (to set the display mode).

2. **Auto Scan:** To enable or disable automatic search for available frequencies. Only effective when SR200 is unlocked.

3. **Auto Sync:** To enable or disable automatic frequency synchronization between SR200 and HT200. Only effective when SR200 is unlocked.

4. **IR Sensor:** For frequency synchronization with HT200.

5. **LCD:** Shows status of Ch-A and Ch-B: audio signal level, RF signal level, frequency/channel, mute,HT200 handheld battery level,etc.

6. **Frequency/Channel Module:** To select preset frequency/channel module for Ch-A

and Ch-B. Only effective when SR200 is unlocked.

7. **Antenna:** Connect the UHF antennas provided.

   ⚠ DON'T block this area when using SR200.

8. **On/Off button:** To turn SR200 on or off.

9. **Power Input:** Power requirement: 12V DC, 1A. Connect the power adapter provided.

10. **Mix Out:** 6.35 mm unbalanced TS connector. Use the 6.35 mm audio cable supplied and connect it to downstream audio devices (e.g. audio processors).

11. **Pick-up:** For vocal or instrument sound pick-up.

    ⚠ DON'T hand hold or block this area when using HT200.

12. **LCD:** Shows status of HT200: battery level, frequency/channel, mute, etc.

13. **On/Off button:** Long press the button to turn HT200 on or off. This button can also be used to activate or deactivate its auto mute function.

14. **Grip/Battery compartment:** Hold this area when using HT200. Twist it off to install or replace the batteries or prepare HT200 for frequency/channel synchronization with SR200 through **IR**.

15. **Antenna:** For wireless transmission of RF signal.

    ⚠ DON'T block this area when using HT200.

OPERATION INSTRUCTIONS

Lock/Unlock SR200

① Long press the Volume knobs (1) of both Ch-A and Ch-B to lock or unlock SR200.

② When SR200 is locked, its LCD shows "LOC On"; When SR200 is unlocked, its LCD shows "UnL OC".

Adjust Channel Volume

① Unlock SR200.

② Rotate the Volume knob (1) of Ch-A or Ch-B to adjust the volume of the channel.

Select Frequency/Channel Module

① Unlock SR200.

② Short press the Module buttons (6) to select preset frequency/channel group for Ch-A and Ch-B. When selection is done, the system stores the selection automatically.

Configure Channel Settings

① Unlock SR200.

② Long press the Volume knob (1) of Ch-A or Ch-B to start setting of the selected channel. The LCD shows "SEt Frq".

③ Rotate the Volume knob (1) to select the target setting.

④ Short press the Volume knob (1) to see parameters of the setting.

⑤ Rotate the Volume knob (1) again to select the target parameter.

⑥ To confirm the selection, short press the Volume knob (1). The LCD shows " CAnCEL " or "StorE".

Start Auto Scan

① Short press the Auto Scan button (2). The LCD shows " SCAn ".

② Short press the Volume knob (1) of Ch-A or Cha-B to start searching for available frequency/channel for the channel.

③ When searching is done, the LCD shows the available frequency/channel for the channel.

Synchronize through IR

① Unlock SR200.

② Short press Auto Sync button (3). The LCD shows " SYnC ".

③ Short press the Volume knob (1) of Ch-A or Cha-B to start automatic synchronization for the channel. The LCD shows the frequency/channel by flashing.

④ Turn one HT200 on. Twist its Grip (14) off.

⑤ Place the HT200 near SR200, and ensure that its front or LCD is facing the IR Sensor (4) of SR200.

⑥ When synchronization is successful, the LCD (12) of the HT200 displays the same frequency/channel as shown on SR200.

Activate / Deactivate Auto Mute of HT200

① When HT200 is on, long press its On/Off button (13) for 10 seconds to activate or deactivate the auto mute function of HT200.

MENU TREE (SR200)

Settings	Parameters		
SEt Frq (set frequency of the channel)	CH- 001 645.250 MHz ... or ... CH- 040 684.250 MHz		StorE
SEt rF (set RF output of HT200 of the channel)	rF HI (set RF output of HT200 to high) rF Lo (set RF output of HT200 to low)		StorE
SEt AUd (set auto attenuation of the output gain of the channel)	00 (auto attenuation by 0 dB) 01 (auto attenuation by -2 dB) 02 (auto attenuation by -4 dB)		StorE
SEt UI (set channel display mode of the channel)	UI-CHn (display the channel in "Channel") UI-Frq (display the channel in "Frequency")		CAnCEL

Short press the Volume knob (1) of the channel — *Short press the Volume knob (1) of the channel, then LCD display (5) shows*

* Default value of the setting.

** Only effective when two HT200s are working.

SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus that produce heat.
9. Do not defeat the safety purpose of the grounding type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacle and the point where the power cord connects to the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Unplug this apparatus during lightning storms or when unused for long periods of time.
13. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, including: power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
14. The appliance coupler of the power supply cord is used as the ultimate disconnect device from the mains. The appliance coupler shall remain readily operable.
15. The apparatus shall be connected to mains socket outlet with a protective earthing connection.
16. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

WARNING:

- To reduce the risk of fire or electrical shock, do not expose the apparatus to rain or moisture.
- Do not expose the apparatus to dripping or splashing and do not place objects filled with liquids, such as vases, on the apparatus. No naked flame sources, such as lighted candles, should be placed on the apparatus.

CAUTION: TO REDUCE THE RISK OF ELECTRONIC SHOCK - DO NOT REMOVE COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL. DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE.

SPECIFICATIONS

System	Frequency Band:	640 MHz - 690 MHz
	Channels:	40
	Operating Range:	≈ 40 meters
	Frequency Increment:	1 MHz
	Frequency Bandwidth:	50 MHz
	S/N Ratio:	≥ 50 dB (including pickup, according to China GB standard)
	Shipping Weight:	2.5 kg
	Dimensions (L×W×D):	480 × 340 × 70 mm
SR200	Display:	LCD
	Power Requirement:	12V DC, 1A
	Connector:	1 × 6.35mm unbalanced TS
HT200	Transmission Power:	< 30 mW
	Frequency Deviation:	±10 kHz
	Display:	LCD
	Microphone capsule:	Dynamic (super cardioid)
	RF Output power:	High, Low
	Battery:	2 x AA

HARMAN

HARMAN Professional 8500 Balboa Blvd. Northridge, CA 91329 USA

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Features, specifications and appearance are subject to change without notice.

CONTACT

Shipping Address:

JBL Professional
8500 Balboa Blvd., Dock 15
Northridge, CA 91329
(Do not return product to this address without first obtaining prior authorization from JBL)

Professional Contacts, Outside the USA:
Contact the JBL Professional Distributor in your area. A complete list of JBL Professional international distributors is provided at our U.S.A. website: www.jblpro.com

Product Registration:
Register your product online at www.jblpro.com

Mailing Address:

JBL Professional
8500 Balboa Blvd.
Northridge, CA 91329

Customer Service:
Monday through Friday
8:00am - 5:00pm
Pacific Coast Time in the U.S.A.
(800) 8JBLPRO (800.852.5776)
www.jblproservice.com

On The World Wide Web:
www.jblpro.com

WARRANTY

JBL offers a limited warranty on the VM200 wireless microphone from the data of the original purchase.

Who Is Protected By This Warranty?

Your JBL Warranty protects the original owner and all subsequent owners for one year, so long as: A.) Your JBL product has been purchased in China, Japan and/or other Asian countries. (This Warranty does not apply to JBL products purchased elsewhere except for purchases by military outlets. Other purchasers should contact the local JBL distributor for warranty information.); and B.) The original dated bill of sale is presented whenever warranty service is required.

WHAT DOES THE JBL WARRANTY COVER?

Except as specified below, your JBL Warranty covers all defects in material and workmanship. The following are not covered: Damage caused by accident, misuse, abuse, product modification or neglect; damage occurring during shipment; damage resulting from failure to follow instructions contained in your Instruction Manual; damage resulting from the performance of repairs by someone not authorized by JBL; claims based upon any misrepresentations by the seller; any JBL product on which the serial number has been defaced, modified or removed.

WHO PAYS FOR WHAT?

JBL will pay all labor and material expenses for all repairs covered by this warranty. Please be sure to save the original shipping cartons because a charge will be made if replacement cartons are requested. Payment of shipping charges is discussed in the next section of this warranty.

How To Obtain Warranty Performance

If your JBL product ever needs service, please contact your local dealer, Harman Authorized Service Center or Harman China Professional Product Customer Service Hotline (400 166 7806). We may direct you to an authorized JBL Service Agency or ask you to send your unit to the factory for repair. Either way, you'll need to present the original bill of sale to establish the date of purchase. Please do not ship your JBL product to the factory without prior authorization. If transportation of your JBL product presents any unusual difficulties, please advise us and we may make special arrangements with you. Otherwise, you are responsible for transporting your product for repair or arranging for its transportation and for payment of any initial shipping charges. However, we will pay the return shipping charges if repairs are covered by the warranty.

LIMITATION OF IMPLIED WARRANTIES

All implied warranties, including warranties of merchantability and fitness for particularpurpose, are limited in duration to the length of this warranty.

EXCLUSION OF CERTAIN DAMAGES

JBL's liability is limited to the repair or replacement, at our option, of any defective product and shall not include incidental or consequential damages of any kind. some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion of incidental or consequential damages, so the above limitations and exclusions may not apply to you. this warranty gives you specific legal rights, and you may also have other rights, which vary, from state to state.