

# UHF Wireless Microphone

HM600H



## Safety Precautions:

- Be sure to read the instructions in this section carefully before use.
- Make sure to observe the instructions in this manual as the conventions of safety symbols and messages regarded as very important precautions are included.
- We also recommend you keep this instruction manual handy for future reference. Safety Symbol and Message Conventions Safety symbols and messages described below are used in this manual to prevent bodily injury and property damage which could result from mishandling. Before operating your product, read this manual first and understand the safety symbols and messages so you are thoroughly aware of the potential safety hazards.

### When Installing the Receiver:

- Do not expose the unit to rain or an environment where it may be splashed by water or other liquids, as doing so may result in fire or electric shock.
- Use the unit only with the voltage specified on the unit. Using a voltage higher than that which is specified may result in fire or electric shock.
- Do not cut, kink, otherwise damage nor modify the power supply cord. In addition, avoid using the power cord in close proximity to heaters, and never place heavy objects -- including the unit itself -- on the power cord, as doing so may result in fire or electric shock.
- Avoid installing or mounting the unit in unstable locations, such as on a rickety table or a slanted surface. Doing so may result in the unit falling down and causing personal injury and/or property damage.
- To prevent lightning strikes, install the unit at least five meters away from a lightning rod, and yet within the protective range (angle of 45°) of the lightning conductor. Lightning strikes may cause a fire, electric shock or personal injury.
- Since the unit is designed for in-door use, do not install it outdoors. If installed outdoors, the aging of parts causes the unit to fall off, resulting in personal injury. Also, when it gets wet with rain, there is a danger of electric shock. When the Receiver is in Use.
- Should the following irregularity be found during use, immediately switch off the power, disconnect the power supply plug from the AC outlet and contact your nearest HEINRICH dealer. Make no further attempt to operate the unit in this condition as this may cause fire or electric shock. · If you detect smoke or a strange smell coming from the unit. · If water or any metallic object gets into the unit · If the unit falls, or the unit case breaks · If the power supply cord is damaged (exposure of the core, disconnection, etc.) · If it is malfunctioning (no tone sounds.)

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- Do not place cups, bowls, or other containers of liquid or metallic objects on top of the unit. If they accidentally spill into the unit, this may cause a fire or electric shock

## When the Microphone or the Trasmmitter is in use:

- To prevent the electromagnetic wave from badly influencing medical equipment, make sure to switch off the unit's power when placing it in close proximity to the medical equipment.
- Do not touch the unit's antennas during thunder and lightning, as this may result in electric shock

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- Do not place cups, bowls, or other containers of liquid or metallic objects on top of the unit. If they accidentally spill into the unit, this may cause a fire or electric shock.
- Do not touch the unit's antennas during thunder and lightning, as this may result in electric shock.

## When the Microphone or the Trasmmitter is in use:

- When the unit is not in use for 10 days or more, be sure to take the battery out of the unit because battery leakage may cause personal injury or contamination of environment.
- Make sure to observe the following handling precautions so that a fire or personal injury does not result from leakage or explosion of the battery

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- Do not short, disassemble heat nor put the battery into a fire.
  - Do not solder a battery directly.
  - Be sure to use the specified type of battery.
  - Note correct polarity (positive and negative orientation) when inserting a battery in the unit.
  - Avoid locations exposed to the direct sunlight, high temperature and high humidity when storing batteries
- When the battery becomes inflated or leaks, discontinue use and replace with new one immediately.

**CAUTION TO USER:** Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**IMPORTANT NOTE:** To comply with the FCC RF Exposure compliance requirement, no changes to the antenna or the device is permitted. Any changes to the antenna or the device could result in the device exceeding the RF exposure requirements & void user's authority to operate the device.

## Function:

1. RF frequency: 100-890MHz
2. Receive Channel: 2
3. Channel Quantity: 200 Channels it can extend several at the same time & the hand-held channel is all- purpose
4. Anti-Jamming Ability Stronger: more then 12 Receivers can be piled up to 400 receiver can work at the same time.
5. PLL Technology: RF stability  $>+-100\text{Hz}$
6. Infrared Manual Frequency
7. Auto Control Quiet/Noise
8. 2 Channels Line are Mixed output, XLR is independent output
9. LCD Can Show the channel & the Battery Capacity
10. Battery Lower then 1.8V will Power Off
11. Receive Every Channel & LCD can show: frequency channel, RF frequency intensity mute antenna inside polarization & other menu Contents
12. Manual Volume Adjustment
13. Operating Circumstance: Temperature: -20 Degree to 50 Degree Relative Humidity 95%
14. Range Test: Longer then 200 metre when indoor longer then 300 metre when outdoor.

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## Specification:

<b>Model</b>	<b>HM600H</b>
Transmitters Work Frequency	100-890MHz
Transmitters RF Power out	<20mW
RF Spurs	< -65dBc
Transmitters Deviation	<+-20-100KHz
MIN mute sensitivity	-65dBm
Max Mute Sensitivity	-95dBm
Nor. Deviation	20Hz+-3dB
Headroom	>15dB
S/N Ratio	>112dB
THD	0.1%
Audio Output	Line 180mV, XLR 12MV, XLR12mV (400Hz/20KHz)
Current Drain ON	120mAmin:3VDC
Frequency Response	40Hz-20KHz

## Packing

- RF frequency: 100-890Mhz
- Receive channel: 2

## Operating Instructions

### Receivers Operating:

1. Channel Selection: Press Up (or Down) Key choose the Channel (or Frequency), Press the Middle Key and Confirm it.
2. IR Channel Selection: Press the Middle key and Enter the Second item (PRG IR) of menu, Press Up (or Down) key Receivers transmits Infrared and Transmitters Receive Infrared. (Notice: It must be operated after Confirm that transmitters is power off, open the cover and level with transmitters IR window.
3. Sensitivity Setting: Press the Middle key and Enter the Third item (SQELCH) of Menu, Press Up (or Down) key enter Sensitivity Setting of Rx, Sensitivity be set range from 0dB to -45dB by manual, Press the Middle key and Confirm it.
4. Show Frequency and Channel Interchange: Press the Middle key and Enter the Fourth item (DISPL) of Menu, Press Up (or Down) key can Interchange, CHANNL means Channel, FREQ means Frequency. Press the Middle key and confirm it.

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5. Volume Adjustment: Volume Manual Adjustment.
6. Lock Channel Operation: Press the Middle key and Enter the Fifth item of Menu, Press Up (or Down) key, OFF means relieve lock, ON means lock, for fear mistake when operating.
7. Press the middle key back to menu.

## Hand-Held Microphone Operation:

1. Microphone RF Frequency Interchange Switch, H to L It can attenuate more or less 7dbm from H to L.
2. Lock Hand-held Operation from OFF to ON, for fear mistake when operating.
3. Aim at Receivers IR transmit window within 1 meter when IR Channel Selection.
4. Manually adjust the channel, press the upper and lower button can adjust the launch rolling channel frequency.

## Waist Pack Microphone Operation:

1. Waist Pack Microphone: (1) Used for Head-mounted when put the On-off of function switch in the Up position (Guitar On-off in Left position); (2) Used for lapel when put the On-off the function switch in the middle position (Guitar on-off in Left position); (3) used for Guitar when put the On-off of function switch in the Down position (Guitar On-off in Right position).
2. Aim at Receivers IR transmit window within 1 meter when IR Channel Selection.
3. Manually adjust the channel, press the upper and lower button can adjust the launch rolling channel frequency.

## Product Enclosure:

1. 2 pieces Hand-held Transmitters (or 1 piece Hand-held Waist Pack)
2. 1 piece Receiver
3. 2 pieces Antenna
4. 1 piece Operating Instruction and Warranty Card
5. 1 piece Line
6. 1 Switch Power Supply of 110~220VAC/12VDC/1ADC