



# HME RT7000 REMOTE TRANSCEIVER Installation Guide

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## HME RT7000 REMOTE TRANSCEIVER



The RT7000 Remote Transceiver facilitates Base Station to Headset communication. It uses a wired connection to the Base Station but is wireless for Headset communication. Up to four RT7000s can be connected to the Base Station for additional coverage.

RT7000 TRANSCEIVER  
Front View

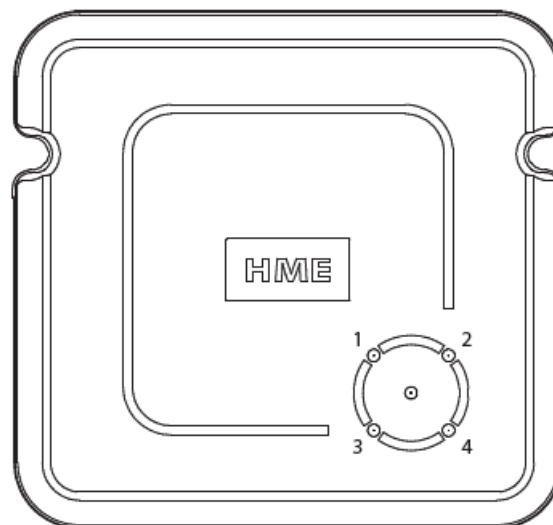


Fig. 1

## TOOLS/EQUIPMENT REQUIRED

- Drill and drill bit set
- Screwdriver (Phillips #2), tape measure, pencil/marker
- Fish stick, cable ties, safety glasses, ladder

## INSTALLATION, SETUP, AND OPERATION

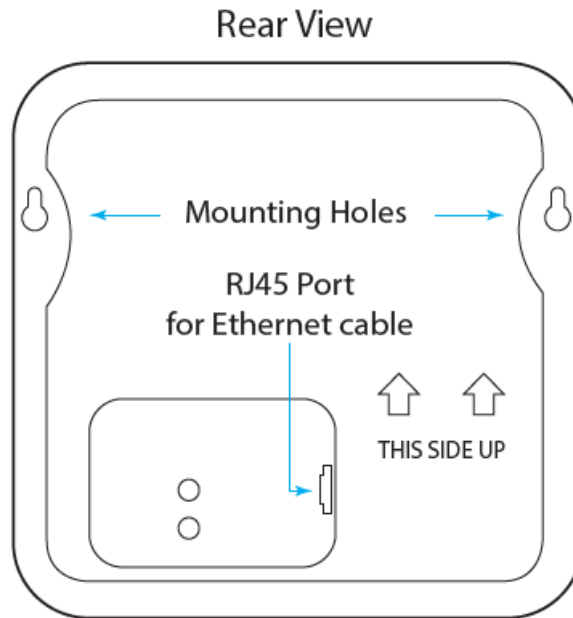


Fig. 2

1. Survey the premises to determine a good location to mount the RT7000 (see Remote Transceiver RT7000 Notes on the next page).
2. Once a good location is selected, route the Ethernet cable from the Base Station to the RT7000 location.
3. Loosely mount the Remote Transceiver in an optimal location (until range tested with a roving headset using the Installation Wizard via the Base Station in step 5).
4. Connect the Ethernet cable to the RJ45 port on the rear of the RT7000 (see Fig. 2) and the other end to one of the available ports on the Base Station (see Fig. 4 and Table 1).
5. At the Base Station LOG IN to the system, go to SYSTEM, then the ADVANCED tab and select "Installation" from the drop-down menu. Tap the "Start Installation Wizard" button. This opens the Installation Wizard as shown in Fig. 3.

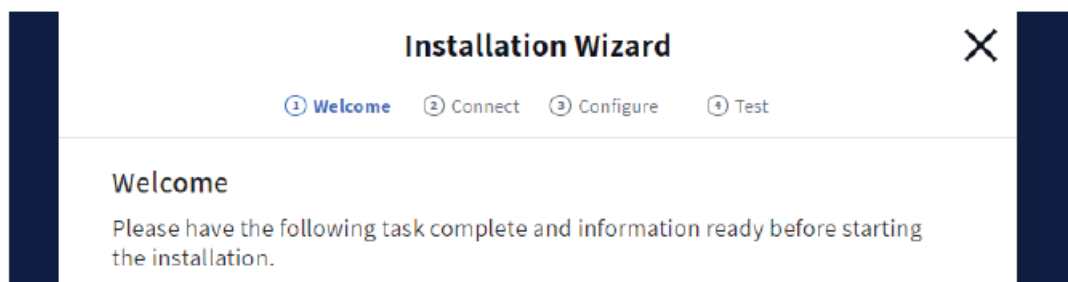


Fig. 3

6. Follow the Transceiver Installation steps that follow. Once you have used a headset in Reception Location Mode to walk the premises to determine the mounting location is good, move on to the next step. If the mounting location is not a good one, move the Remote Transceiver to another location and repeat steps 1 through 6, until a good location is found.
7. Drill two holes 6.625 inches (16.83 cm) apart along a horizontal axis on the wall (avoid electrical or plumbing obstructions).
8. Install the provided hardware but do not tighten, leave a gap (~ 1/8th inch (3.2 mm)) between the screw heads and wall.
9. Align the RT7000 mounting holes with the two screws (Fig. 2).

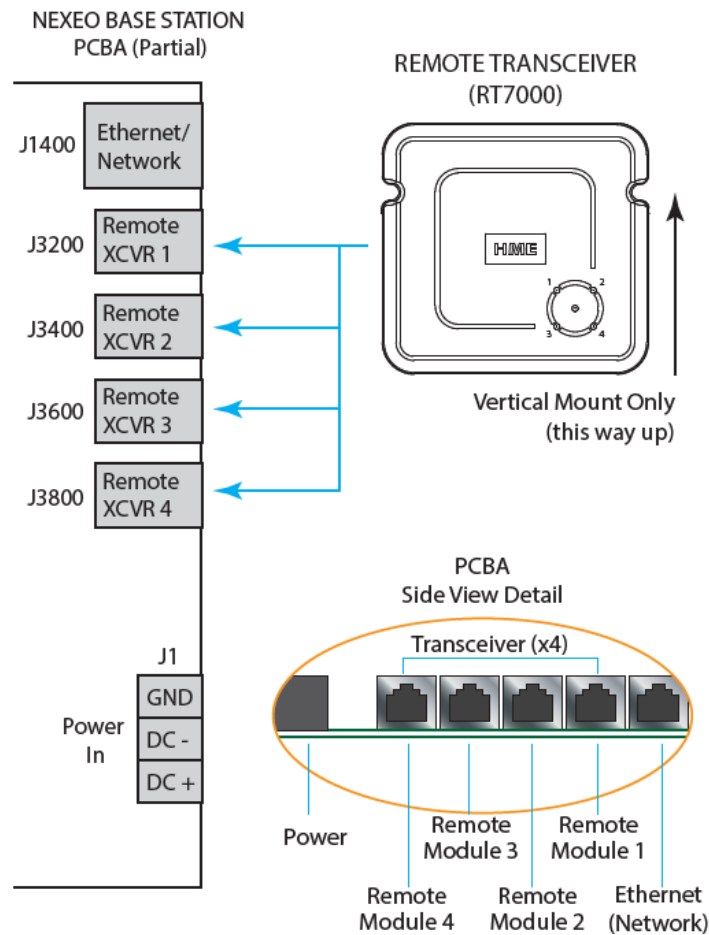


Fig. 4

10. Mount the RT7000 over the screw heads until flush against the wall, then slide it down onto the screws to secure it in place and tighten hardware.
11. The other end of the Ethernet cable is connected to the Base Station (see Fig. 4 and the Table 1 for connections).
12. The Base Station provides power to the RT7000. So when connected, the center LED in the circle on the front of the RT7000 turns on solid green.
13. The peripheral LED around the circle initially flashes as the RT7000 completes a scan of the environment. Once the scan is finished, this peripheral LED also turns solid green. Note: This LED also flashes blue when the firmware is updating.
14. The RT7000 is now operational. The Base Station HOME screen also provides a color-coded visual status (see "Transceivers" status in Fig. 5).

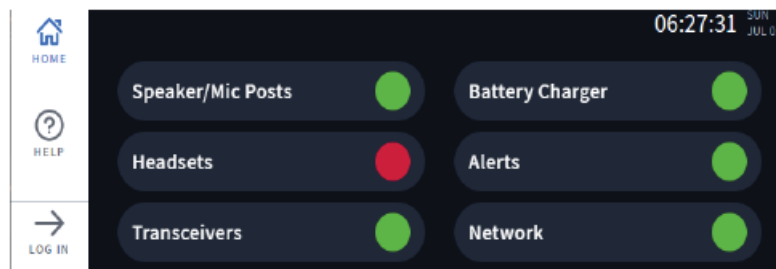


Fig. 5

Tap "Transceivers" on the HOME screen for more details (see Fig. 6).

## Transceivers



STATUS	REMOTE TRANSCIVER	DETAILS
> <span style="color: green;">●</span> Online	NOT_SET	Functioning Normally

Fig. 6

### Remote Transceiver (RT7000) Notes

- Mount the transceiver high in a central location to headset usage.
- Maximize line of sight between the transceiver and headsets in an area free from obstructions and equipment/materials that can interfere with signal propagation. These include walls, large metal appliances, hoods, and backsplashes, etc.
- Mount the transceiver vertically on a wall in the upright position (see arrow on Transceiver rear). Do NOT mount horizontally such as on a ceiling, this will reduce the transceiver's range.
- Signal propagation is strongest directly in front of the Transceiver and then to the sides.
- The RT7000 uses an Ethernet (Cat5 or Cat6) cable. Do not exceed 1000' (304 m).
- Large premises may require more than one Transceiver. Up to four Transceivers are supported by one Base Station.
- Once connected to the Base Station, the LED in the middle of the circle on the transceiver front illuminates to indicate it is turned on. One of the outer LEDs (numbered 1 to around the circle also turns on (depending on which port the 3 4 Transceiver is connected to on Fig. 7 the Base Station, see Fig. 7). This outer LED will initially flash as the Transceiver scans for available channels before turning solid green once a channel is found (on the Base Station HOME screen, the "Transceivers" indicator is yellow while scanning before turning green).

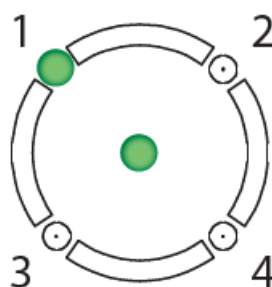


Fig. 7

Base Station RT7000 Ports		
Connector #	Label	To
J3200 J3400* J3600* J3800*	Remote XCVR 1** Remote XCVR 2** Remote XCVR 3** Remote XCVR 4**	First RT7000 Second RT7000 Third RT7000 Fourth RT7000

Table 1

- Only used if more than one RT7000 is required.
- LEDs (1 – 4) on the RT7000 Front (Fig. 7) correspond to the Remote XCVR port number on the Base Station (Table 1 label).

## Safety Notice

**CAUTION:** Wear proper eye, ear, and body protection when grinding, drilling or working with tools. Follow the manufacturer's safety information and operational instructions for tools and materials. Be aware of your surroundings. Failure to heed such precautions can cause injury and/or property damage.

Hygiene, Health, and Safety Part of this installation requires working within a restaurant/store where food is prepared, and customers dine. Please consult the restaurant/store manager, standard operating procedures and any additional restaurant safety/advisory protocols available before beginning work within the restaurant/store. Follow the instructions and guidelines provided.



## REGULATORY COMPLIANCE

Applicant Name: HM Electronics, Inc.

Applicant Address: 2484 Whiptail Loop, Carlsbad CA 92010, United States

Manufacturer Name: HM Electronics, Inc.

Manufacturer Address: 2484 Whiptail Loop, Carlsbad CA 92010, United States

Country of Origin: USA

Brand: HME

Caution: All products are compliant with regulatory requirements detailed in this document when the user follows all installation instructions and operating conditions per HME specifications.

Caution: Use of accessories and peripherals other than those recommended by HME may void the product's compliance as well as the user's authority to operate the equipment.

Caution: All products are designed for use with the standard, integral or dedicated (external) antenna(s) that are shipped together with the equipment. Any product changes or modifications will invalidate all applicable regulatory certifications and approvals.

Caution: The use of software or firmware not supported/provided by HME products may result that the equipment is no longer compliant with the regulatory requirements.

## FCC NOTICE

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

**NOTE:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communication. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense. Changes or modifications not expressly approved by HME could void the user's authority to operate this equipment.

User Restriction in the 5Ghz band: The device for the band 5150-5250MHz is only for indoor

usage to reduce potential for harmful interference to co-channel mobile satellite systems.

### **FCC/IC/EC RF EXPOSURE WARNING**

This product complies with FCC/IC/EC radiation exposure limits set forth for an uncontrolled environment.

To comply with FCC/IC/EC RF exposure requirements, this unit must be installed and operate at least 20 cm (8 inches) from any person.

### **NEW ZEALAND COMPLIANCE STATEMENT**

User Restriction in the 5Ghz band: This device is restricted to indoor use only when operating in 5150-5250MHz.

### **EUROPEAN UNION (CE MARK)**

The CE marking indicates compliance with the following directives and standards, whenever applicable to the product in question.

#### **Directives:**


- Radio Equipment Directive 2014/53/EU
- Electromagnetic Compatibility Directive 2014/30/EU
- Low Voltage Directive 2014/35/EU
- RoHS Directive 2011/65/EU and 2015/863/EU

#### **Standards:**

- EN55022/EN55032
- EN55024/ EN55035
- IEC/EN62368-1
- EN300328
- EN301893
- EN301489
- EN50581

**Warning:** This is a Class A product. In a domestic environment, this product may cause radio interference in which case the user may be required to take adequate measures.

User Restriction in the 5Ghz band: This device is restricted to indoor use only when operating in 5150-5350MHz for below EU member states.

				
AT	BE	BG	CZ	DK
EE	FR	DE	IS	IE
IT	EL	ES	CY	LV
LI	LT	LU	HU	MT
NL	NO	PL	PT	RO
SI	SK	TR	FI	SE
CH	UK	HR		

**Caution:** Although Europe allows 5600-5650Mhz band, these DFS channels 120, 124 and 128 must perform a 10 minutes radar scanning (also known as CAC – Channel Availability Check) before becoming an operating channel.

## WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT (WEEE)

The European Union (EU) WEEE Directive (2012/19/EU) places an obligation on producers (manufacturers, distributors and/or retailers) to take back electronic products at the end of their useful life. The WEEE Directive covers most HME products being sold into the EU as of August 13, 2005. Manufacturers, distributors and retailers are obliged to finance the costs of recovery from municipal collection points, reuse, and recycling of specified percentages per the WEEE requirements.

### INSTRUCTIONS FOR DISPOSAL OF WEEE BY USERS IN THE EUROPEAN UNION

The symbol shown below is on the product or on its packaging which indicates that this product was put on the market after August 13, 2005 and must not be disposed of with other waste. Instead, it is the user's responsibility to dispose of the user's waste equipment by handing it over to a designated collection point for the recycling of WEEE. The separate collection and recycling of waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local authority, your household waste disposal service or the seller from whom you purchased the product.

A copy of this guide and additional information can be found by scanning this QR code.

#### HM ELECTRONICS, INC.

2848 Whiptail Loop, Carlsbad, CA 92010 USA Phone: 1-800-848-4468

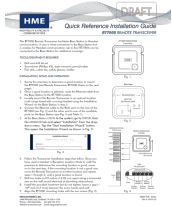
Fax: 858-552-0172

Website: [www.hme.com](http://www.hme.com)

Email: [support@hme.com](mailto:support@hme.com)

The HME logo and product names are registered trademarks of HM Electronics, Inc.

## Documents / Resources



**HME RT7000 REMOTE TRANSCEIVER** [pdf] Installation Guide  
RT7000 REMOTE TRANSCEIVER, REMOTE TRANSCEIVER, TRANSCEIVER

References

- [HME | Specialized Communications, Audio, & Software Solutions](#)