



QUICK REFERENCE GUIDE

HM682 DIGITAL MOBILE RADIO



COMM-TECH, INC.

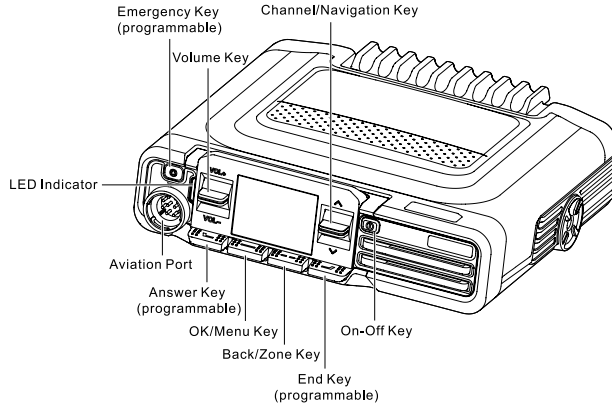
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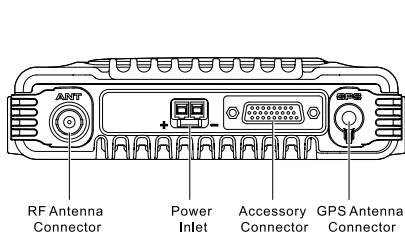
Product Overview

Product Layout

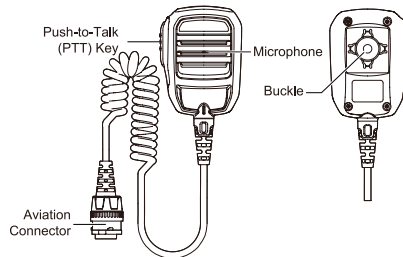
Front Panel



Rear Panel



Palm Microphone



Programmable Keys

You can request your dealer to program the **Emergency** key, **Answer** key, and **End** key as shortcuts to assignable radio features.

Installation

Precautions

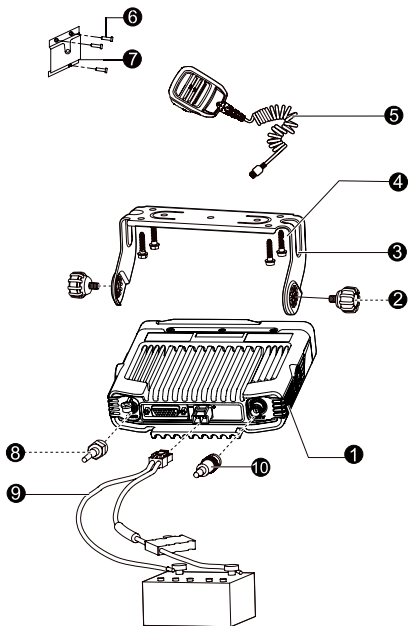
Before installation, read the following guidelines carefully:

- Before installation, ensure that the vehicle power supply has a negative ground with the voltage of $13.6 \pm 15\%$ V.
- Before installation, measure the length of screws protruding from the radio surface. During installation, drill the holes on the vehicle according to the screw length to avoid damaging the vehicle wires or other components.
- Use the antenna and power cord approved by the Company.
- Use the mounting bracket approved by the Company. Otherwise, the accidental drop of the radio may injure people in the vehicle.
- Install the radio at a position where you can easily reach the front panel.
- To facilitate wiring, keep sufficient space at the back of the radio.
- When replacing the fuse for the DC power cord, ensure the new fuse shares the same specification with the old one.
- If any other communication devices such as repeaters are in the vicinity of the radio, keep the antenna of these devices at least 10 meters away from that of the radio.

Tools

- electric drill
- Phillips screwdriver
- T20 torx screwdriver

Parts



No.	Part Name	No.	Part Name
1	Radio	6	Self-tapping Screw (4 mm x 16 mm)
2	Locking Knobs	7	Microphone Hanger
3	Mounting Bracket	8	GNSS Antenna
4	Self-tapping Screw (4.8 mm x 20 mm)	9	Power Cord (with fuse)
5	Palm Microphone	10	RF Antenna



NOTE

- The RF antenna is optional.
- The GNSS antenna is available only for radios with the Location feature.

Procedure

1. Install the radio.
 - a. Select a location on the vehicle.
 - b. Hold the mounting bracket to the location, and then mark the mounting holes.
 - c. Drill holes at the mounting holes.
 - d. Use the screws (4.8 mm x 20 mm) to secure the mounting bracket.
 - e. Connect the RF antenna, GNSS antenna, and power cord to the radio.
 - f. Slide the radio into the mounting bracket, and then fasten the locking knobs.
2. Install the palm microphone.
 - a. Select a location on the vehicle where you can reach the palm microphone easily.
 - b. Hold the microphone hanger to the location, and then mark the mounting holes.
 - c. Drill holes at the mounting holes.
 - d. Use the screws (4 mm x 16 mm) to secure the microphone hanger.
 - e. Align the triangle index on the palm microphone with that on the radio.
 - f. Plug the aviation connector on the palm microphone into the aviation port on the radio, and then rotate the connector clockwise to secure it.
 - g. Place the palm microphone on the hanger.

Basic Operations

Turn On or Off the Radio

- To turn on the radio, connect the radio to power supply or long press the **On-Off** key.
- To turn off the radio, long press the **On-Off** key.

Adjust Volume

Toggle the **Volume** key up to increase the volume or down to decrease the volume.

Select a Zone











- On the home screen, press the **Back/Zone** key, toggle the **Channel/Navigation** key to select a zone, and then press the **OK/Menu** key.
- Press the preprogrammed **Zone Up** key or **Zone Down** key.

Select a Channel

- On the home screen, toggle the **Channel/Navigation** key.
- On the home screen, press the **Back/Zone** key, toggle the **Channel/Navigation** key to select a zone, and then press the **OK/Menu** key. Toggle the **Channel/Navigation** key to select a channel, and then press the **OK/Menu** key.
- Press the preprogrammed **Channel Up** key or **Channel Down** key.

Status Indications

LCD Icons

Icon	Description
	The radio detects no signal.
	More bars indicate stronger signal.
	The radio works in low power mode.
	The radio works in high power mode.
	An accessory is connected.
	The radio is scanning.
	The radio is in emergency mode.
	There is/are (a) missed call(s).
	There is/are (an) unread message(s).
	The inbox is full.

For more status icons, refer to the relevant *User Manual*.

LED Indicator

LED Indicator	Radio Status	
Flashes green	The radio is being turned on.	
Glowes green	The radio is receiving.	
Glowes red	The radio is transmitting.	
Flashes orange slowly	The radio is scanning or roaming.	
Flashes orange rapidly	The radio is in emergency mode.	
Glowes orange	Call hang time: No voice is being transmitted or received during a call. Within such a period, you can press and hold the PTT key and speak.	
Flashes blue	The BT feature is enabled, but the radio is not connected to any BT device.	
	Every 3s	
	Every 1.5s	A BT device is connected.
	Every 0.1s	The BT feature is being disabled.

Call Services

To ensure optimal voice quality on the receiving radio, keep the microphone 2.5 cm to 5 cm from your mouth during speaking.

Make a Call on a Digital Channel

- Select a digital channel, and then press and hold the **PTT** key.
- Go to **Menu > Contact**, toggle the **Channel/Navigation** key to select a contact, and then press and hold the **PTT** key.

Make a Call on an Analog Channel

- Call Without Signaling
 - a. Select an analog channel.
 - b. Press and hold the **PTT** key
- Call with Signaling
 - a. Go to **Menu > Contact**, or press the preprogrammed **Contact List** key.
 - b. Toggle the **Channel/Navigation** key to select a contact.
 - c. Press and hold the **PTT** key, or press the preprogrammed **One Touch Call** key.

Emergency Call

The Emergency feature is configured and enabled by your dealer. For details, refer to the relevant *User Manual*.

For details, please visit our website at: <https://www.hytera.com/en/download-center.html>, or scan the QR code to download the relevant user manual.