

QUICK REFERENCE GUIDE

■ Installation

◇ Location

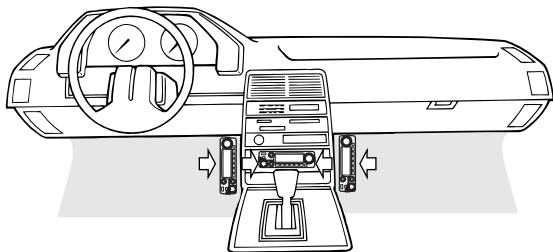
Select a location which can support the weight of the transceiver and does not interfere with driving in any way. We recommend the locations shown in the diagram below.

NEVER place the transceiver where normal operation of the vehicle may be hindered or where it could cause bodily injury.

NEVER place the transceiver where air bag deployment may be obstructed.

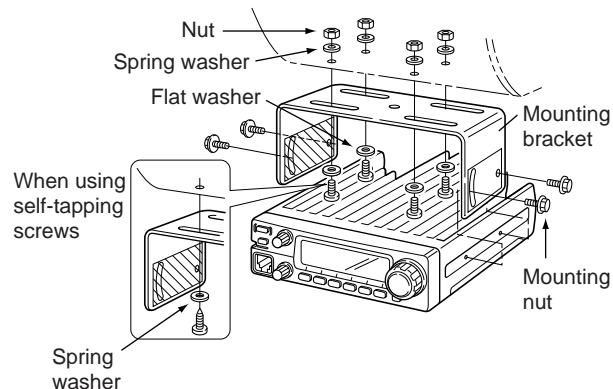
DO NOT place the transceiver where hot or cold air blows directly onto it.

AVOID placing the transceiver in direct sunlight.



◇ Using the mounting bracket

- ① Drill 4 holes where the mounting bracket is to be installed.
 - Approx. 5.5–6 mm (1/4") when using nuts; approx. 2–3 mm (1/8") when using self-tapping screws.
- ② Insert the supplied screws, nuts and washers through the mounting bracket and tighten.
- ③ Adjust the angle for the clearest view of the function display.



/// IMPORTANT!

Detailed installation notes for Icom mobile transceivers to be fitted into vehicles are available. Contact your Icom dealer or distributor.

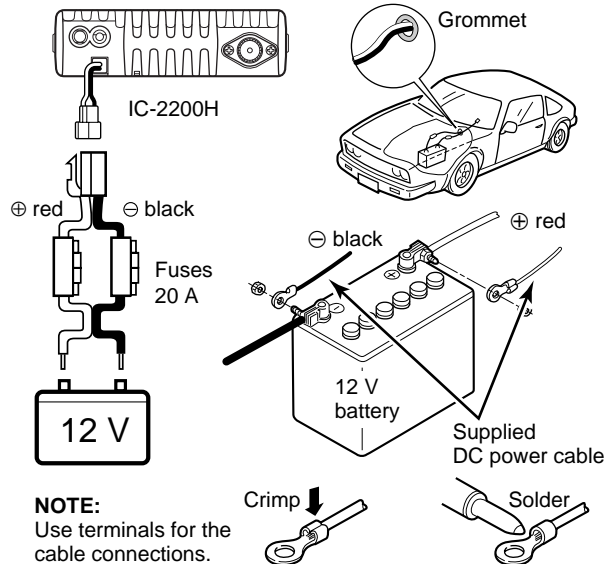
◇ **Battery connection**

- ⚠ **NEVER** connect the transceiver directly to a 24 V battery.
- ⚠ **DO NOT** use the cigarette lighter socket for power connections. (See p. 5 for details)

Attach a rubber grommet when passing the DC power cable through a metal plate to prevent short circuiting.

• **CONNECTING TO A DC POWER SOURCE**

- See p. 90 for fuse replacement.



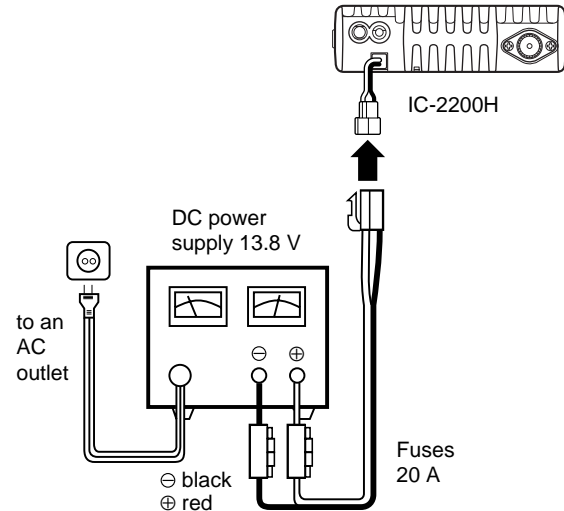
◇ **DC power supply connection**

Use a 13.8 V DC power supply with at least 15 A capacity.

Make sure the ground terminal of the DC power supply is grounded.

• **CONNECTING TO A DC POWER SUPPLY**

- See p. 90 for fuse replacement.

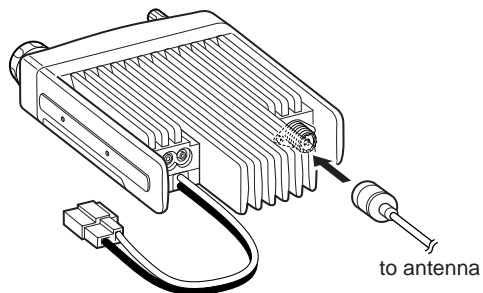
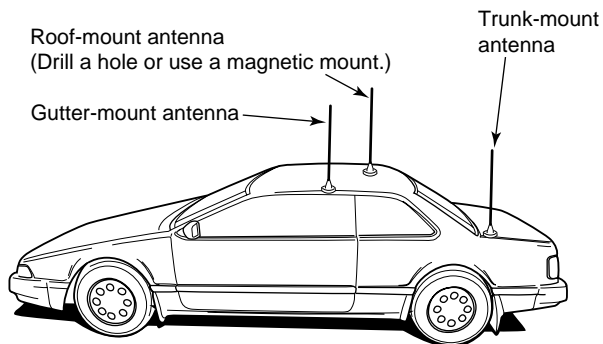


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◇ Antenna installation

• Antenna location

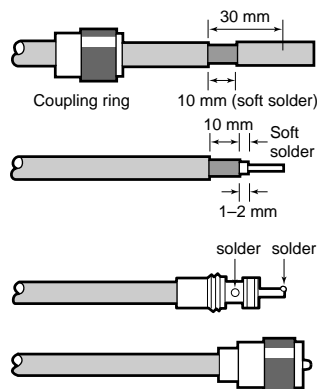
To obtain maximum performance from the transceiver, select a high-quality antenna and mount it in a good location. A non-radial antenna should be used when using a magnetic mount.



• Antenna connector

The antenna uses a PL-259 connector.

• PL-259 CONNECTOR



① Slide the coupling ring down. Strip the cable jacket and soft solder.

② Strip the cable as shown at left. Soft solder the center conductor.

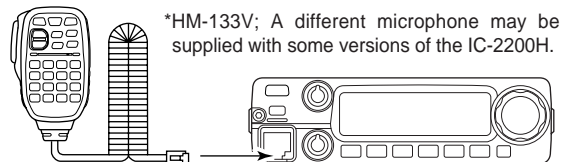
③ Slide the connector body on and solder it.

④ Screw the coupling ring onto the connector body.
(10 mm ≈ 3/8 in)

/// **NOTE:** There are many publications covering proper antennas and their installation. Check with your local dealer for more information and recommendations.

◇ Connecting a microphone

Connect a microphone to the eight-pin modular socket on the front panel of the transceiver.

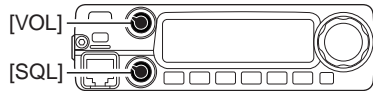


■ Your first contact

Now that you have your IC-2200H installed in your car or shack, you are probably excited to get on the air. We would like to take you through a few basic operation steps to make your first “On The Air” an enjoyable experience.

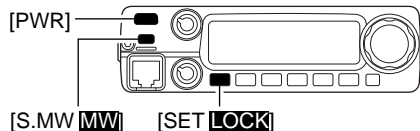
1. Turning ON the transceiver

Before powering up your IC-2200H, you may want to make sure the audio volume and squelch level controls are set in 9–10 o'clock positions.



Set both [VOL] and [SQL] controls to 9–10 o'clock positions.

Although you have purchased a brand new transceiver, some settings may be changed from the factory defaults because of the QC process. Resetting the CPU is necessary to start from factory default.



➔ While pushing **[SET LOCK]** and **[S.MW MW]**, push **[PWR]** for 1 sec. to reset the CPU.

2. Tune the desired frequency

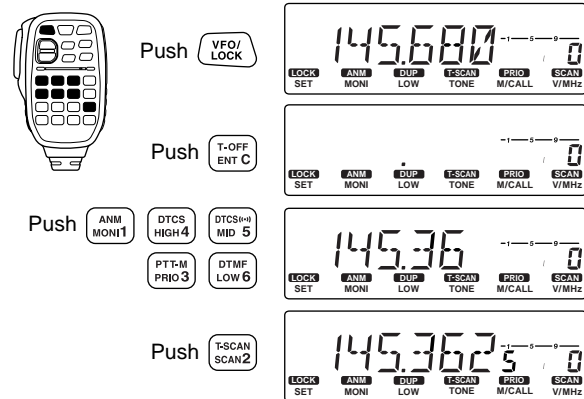
[DIAL] will allow you to dial in the frequency you want to operate. Pages 9 and 11 will instruct you on how to set the tuning speed.



Using the HM-133V

You can directly enter the frequency with the HM-133V keypad.

[EXAMPLE]: Setting frequency to 145.3625 MHz.



We hope these pointers have been helpful. Now you are ready to call CQ.

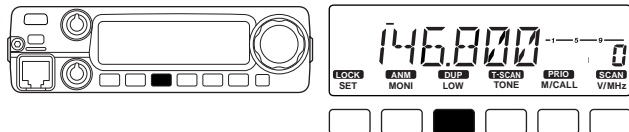
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■ Repeater operation

1. Setting duplex

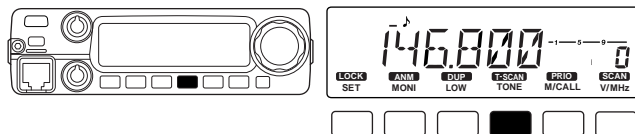
Push **[LOW D⁺]** for 1 sec. once or twice to select minus duplex or plus duplex.

- The USA version has an auto repeater function, therefore, setting duplex is not required.



2. Repeater tone

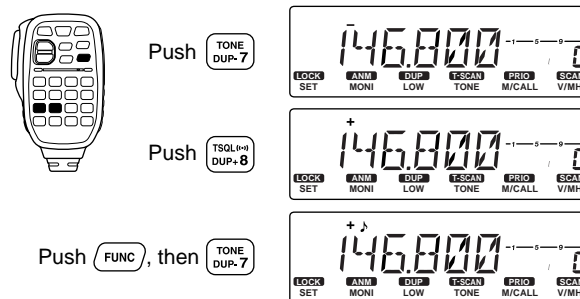
Push **[TONE T-SCAN]** several times until “♪” appears, if the repeater requires a subaudible to be accessed.



Using the HM-133V

Plus or minus duplex selection and the repeater tone setting can be made easily via HM-133V.

Push **[DUP- 7(TONE)]** for minus duplex; **[DUP+ 8(TSQL ((••)))]** for plus duplex selection, push **[FUNC]** then **[DUP- 7(TONE)]** to turn the repeater tone ON.



■ Programming memory channels

The IC-2200H has a total of 207 memory channels (including 6 scan edges and 1 call channel) for storing often used operating frequency, repeater settings, etc.

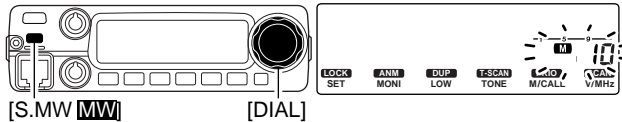
1. Setting a frequency

In VFO mode, set the desired operating frequency with repeater, tone and tuning steps, etc.

2. Selecting a memory channel

Momentarily push **[S.MW MW]**, then rotate **[DIAL]** to select the desired memory channel.

- “M” indicator and memory channel number blink.



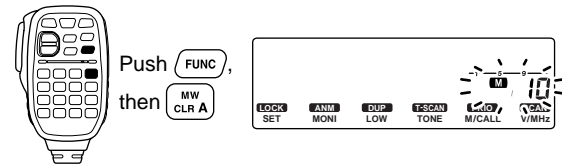
3. Writing a memory channel

Push and hold **[S.MW MW]** for 1 sec. to program.

- 3 beeps sound
- Memory channel number automatically increases when continuing to push **[S.MW MW]** after programming.

Using the HM-133V

- ① In VFO mode, set the desired operating frequency, including offset direction, tone settings, etc.
- ② Push **[FUNC]** then **[CLR A(MW)]**.
 - “M” indicator and memory channel number blink.



- ③ Push **[▲]/[▼]** to select the desired memory channel.
- ④ Push **[FUNC]** then push **[CLR A(MW)]** for 1 sec. to program.
 - 3 beeps sound
 - Memory channel number automatically increases when continuing to push **[CLR A(MW)]** after programming.