

Installing the controller with a mounting bracket

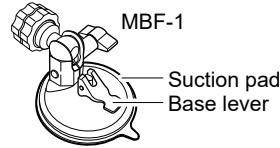
◆ MBA-20

① May be supplied, depending on the transceiver version.

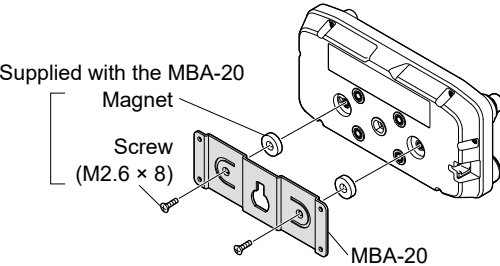
When installing into your vehicle:

You can install the controller on the dashboard or the console of your vehicle using the optional MBA-20 CONTROLLER BRACKET and the optional MBF-1 MOUNTING BASE.

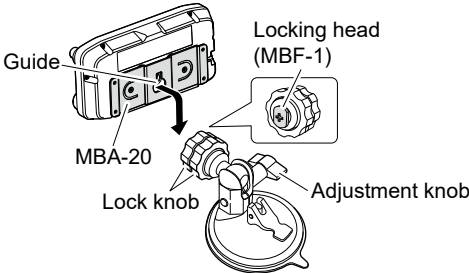
1. Attach the MBF-1 to the dashboard or the console.
① See the MBF-1 instruction manual for details.



2. Attach the MBA-20 to the controller's rear panel with the 2 supplied screws, as shown below.



3. Slide the MBA-20's guide down over the MBF-1's locking head, as shown below.



4. Tighten the lock knob to securely attach the controller.
5. Adjust the controller's viewing angle, and then tighten the adjustment knob.

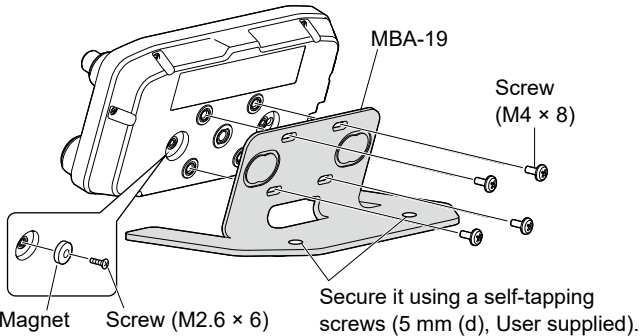
◆ MBA-19

(Check for availability)

You can attach the optional MBA-19 CONTROLLER BRACKET to the controller's rear panel with the supplied 2 magnets or 4 screws, as shown below.

① **DO NOT** install it inside a vehicle.

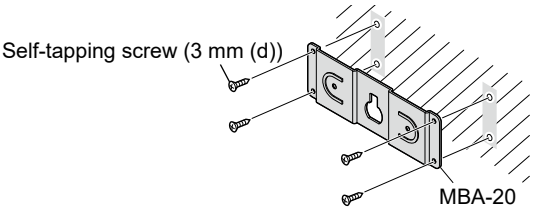
① Attach the supplied anti-slip cushion sheet to the bottom of the MBA-19.



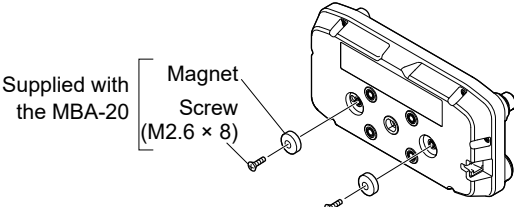
When installing on a flat surface:

You can install the controller on a flat surface with the optional MBA-20 CONTROLLER BRACKET. When attaching the bracket to a wall, use self-tapping screws (3 mm (d), User supplied).

1. Attach the MBA-20 to a wall.
① Make sure the screw holes on the bracket are flush with the wall.



2. Attach the magnets to the controller's rear panel with the 2 supplied screws, as shown below.



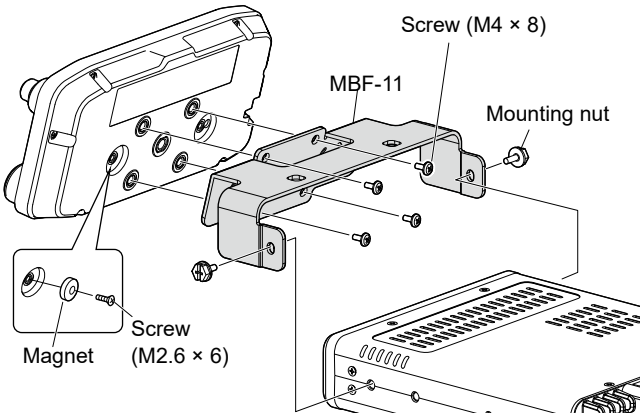
3. Attach the controller to the MBA-20.

◆ MBF-11

(Check for availability)

You can mount the controller on the main unit using the optional MBF-11 CONTROLLER BRACKET with the supplied 2 mounting nuts and 2 magnets or 4 screws, as shown below.

NOTE: When using in a vehicle, be sure to secure the controller to the MBF-11 with screws to prevent falling.



ICOM CONNECTION GUIDE

VHF/UHF DUAL BAND TRANSCEIVER

ID-5200A

ID-5200E

Thank you for choosing this Icom product.
READ ALL INSTRUCTIONS carefully and completely before using this product.

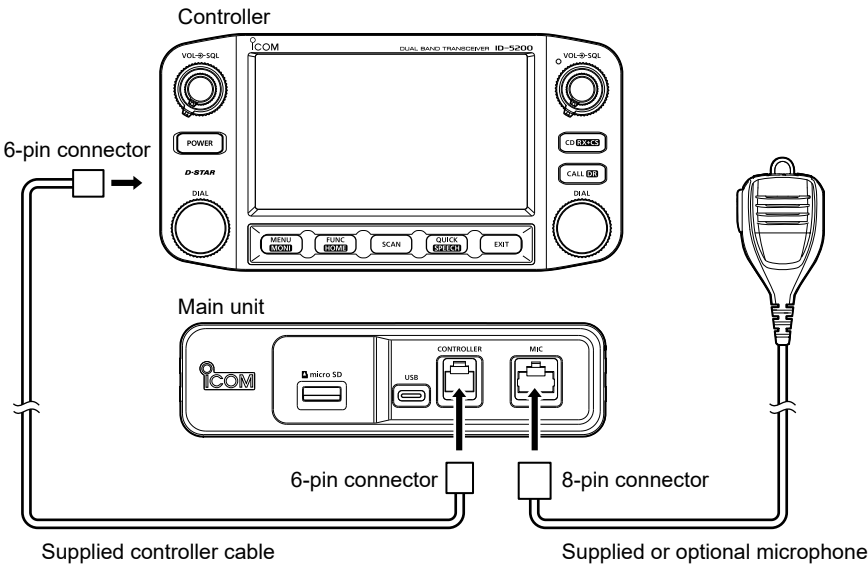
Important

FIRST, CAREFULLY READ BASIC MANUAL that is boxed with the transceiver.
SAVE THESE INSTRUCTIONS— These instructions contain installation instructions for the ID-5200A/ID-5200E.

CAUTION for mounting brackets: **DO NOT** use any screws other than the supplied screws. Otherwise, the transceiver's internal board may be damaged.

Controller and microphone connection

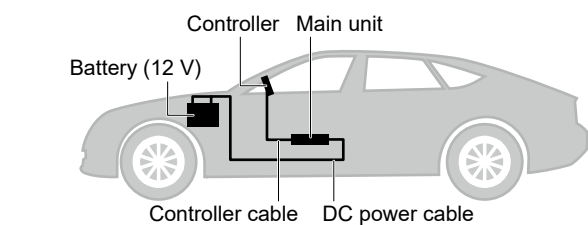
Connect the controller and the microphone to the main unit, as shown below.



① The following longer cables are usable, depending on the installation location.

- OPC-440 MIC EXTENSION CABLE: 5 m (16.4 ft)
- OPC-647 MIC EXTENSION CABLE: 2.5 m (8.2 ft)
- SP-30 EXTERNAL SPEAKER: 2.8 m (9.1 ft)
- SP-35 EXTERNAL SPEAKER: 2 m (6.5 ft)
- SP-35L EXTERNAL SPEAKER: 6 m (19.6 ft)

Installing in a vehicle



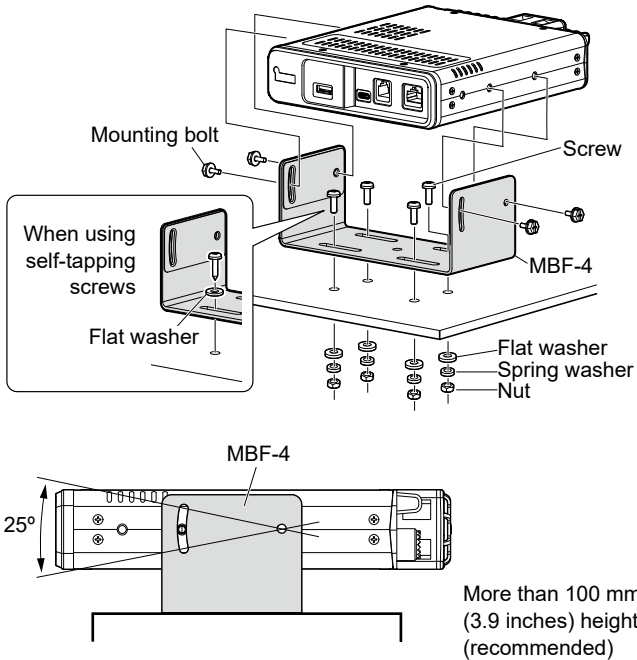
① Contact your car dealer or Icom dealer for advice for installing in a vehicle.

⚠ DANGER! NEVER place the main unit or controller where air bag deployment may be obstructed.
⚠ WARNING! NEVER place the main unit or controller where normal operation of the vehicle may be hindered, or where it could cause bodily injury.
CAUTION: DO NOT install or place the transceiver in a place without adequate ventilation or block any cooling vents on the top, rear, sides, or bottom of the transceiver or the cooling fan. Heat dissipation may be reduced and damage the transceiver.
CAUTION: DO NOT use or leave the transceiver in excessively dusty environments. This could damage the transceiver.
CAUTION: DO NOT put anything on top of the transceiver. This may overheat the transceiver.
DO NOT place the main unit or controller where hot or cold air blows directly onto it.

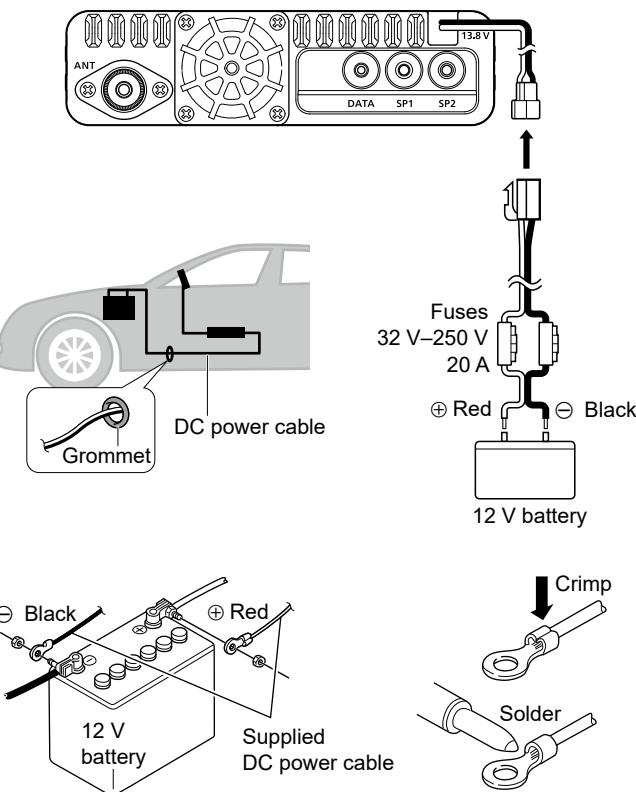
Using the mounting bracket

You can install the main unit on your vehicle's dashboard or console with the optional MBF-4 MOBILE BRACKET.

1. Drill 4 holes where the mounting bracket is to be installed.
Nuts: Approximately 5.5 ~ 5.6 mm (0.21 ~ 0.22 inch) (d)
Self-tapping screws: Approximately 2 ~ 3 mm (0.08 ~ 0.12 inch) (d)
2. Insert the supplied screws, nuts, and washers through the mounting bracket and tighten.
3. Adjust the angle to suit your needs.



Connecting to a battery



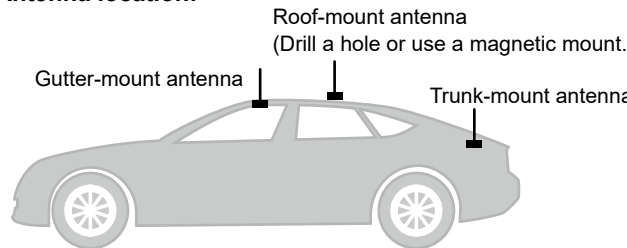
NOTE: Use terminals for the cable connections.

⚠ WARNING! NEVER remove the fuse holders on the DC power cable. Excessive current caused by a short could cause a fire or damage the transceiver.
⚠ WARNING! NEVER connect the transceiver directly to a 24 V battery. The transceiver must be connected to a 24 V battery through the DC-DC converter.
CAUTION: DO NOT use a cigarette lighter socket as a power source when operating the transceiver in a vehicle. The plug may cause voltage drops and ignition noise may be superimposed onto transmit or receive audio.
CAUTION: DO NOT pull or tightly bend the DC power cable.
CAUTION: DO NOT reverse the DC power cable polarity. This could damage the transceiver.
Use a rubber grommet when passing the DC power cable through a metal plate to prevent a short circuit.
The transceiver may not receive well at some frequencies when installed in a hybrid vehicle or any type of electrical vehicle (fuel cell vehicle). This is because vehicle's electric components, such as the inverter system, generate a lot of electrical noise.

Installing an antenna

To obtain maximum performance from the transceiver, select a high-quality antenna and mount it in an appropriate location.

Antenna location:



Connect the coaxial cable that the antenna is connected to the antenna connector on the rear panel of the main unit.

NOTE:

- Make the coaxial cable as short as possible.
- Be sure to seal the antenna connection.

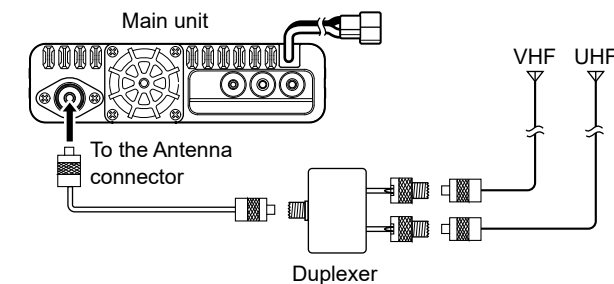
About the antenna

- For radio communications, the antenna is of critical importance, along with output power and receiver sensitivity. Select a well-matched 50 Ω antenna and coaxial cable feedline. We recommend 1.5:1 or better Voltage Standing Wave Ratio (VSWR) on your operating bands.
- Install the antenna in accordance with the traffic laws and safety standards of your country.

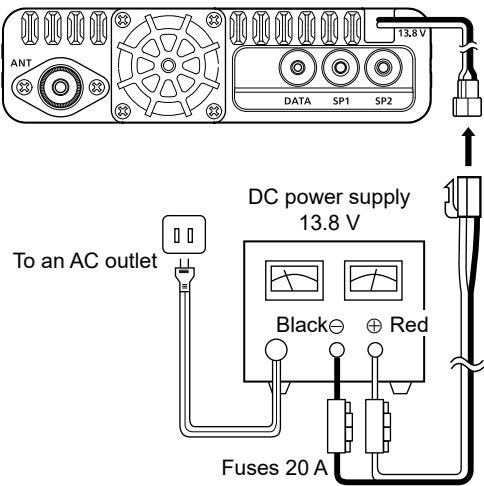
About the internal duplexer

The transceiver has an internal duplexer, and you can easily connect a VHF/UHF dual band antenna.

If you connect the VHF and UHF antennas separately, use an external duplexer.



Connecting a DC power supply

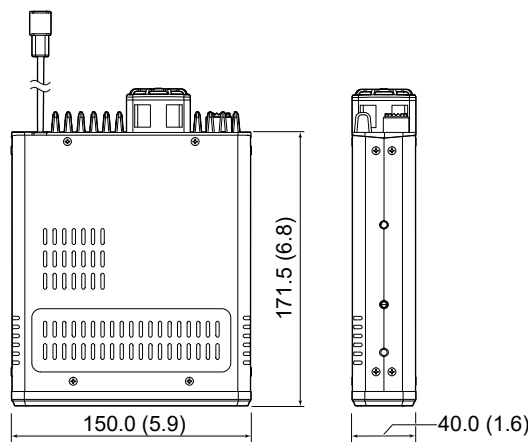


Confirm that the transceiver is OFF, and then connect a 13.8 V DC power source with at least 15 A capacity.

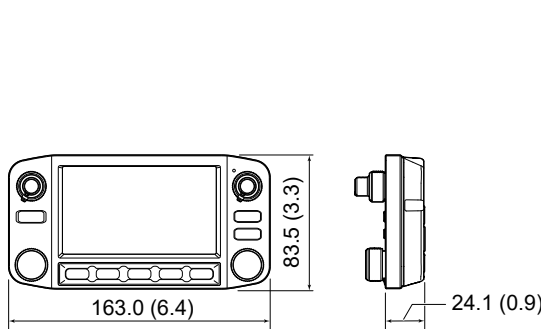
⚠ WARNING! NEVER remove the fuse holder on the DC power cable. Excessive current caused by a short could cause a fire or damage the transceiver.
CAUTION: DO NOT pull or tightly bend the DC power cable.
CAUTION: DO NOT reverse the DC power cable polarity. This could damage the transceiver.

Dimensions

Main unit:



Controller:



unit: mm (inch)