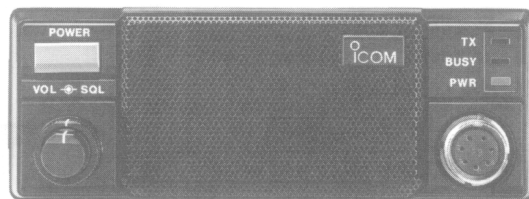


ICOM

INSTRUCTION MANUAL

VHF FM TRANSCEIVER
IC-V201



Icom Inc.

IMPORTANT SAFETY PRECAUTIONS

READ ALL INSTRUCTIONS carefully and completely before using the transceiver.

SAVE THIS INSTRUCTION MANUAL - This instruction manual contains important safety and operating instructions for the IC-V201.

NEVER connect the transceiver to an AC outlet.

NEVER connect the transceiver to a 24 V DC car battery. Only 12 V DC car batteries can be used.

NEVER allow children to touch the transceiver.

NEVER expose the transceiver to rain, snow or any liquids.

NEVER disassemble the transceiver. Incorrect reassembly may result in a fire hazard or electric shock.

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

DO NOT place the transceiver in excessively humid or dusty environments, or in direct sunlight.

DO NOT use the transceiver when it is covered by objects which impede heat dispersal.

DO NOT use an accessory which Icom does not sell or recommend such as an extension power cable, as it could result in a fire hazard.

AVOID using or storing the transceiver in places with temperatures below -25°C or over $+60^{\circ}\text{C}$.

BE CAREFUL! The heatsink may become hot when operating the transceiver for long periods.

FOREWORD

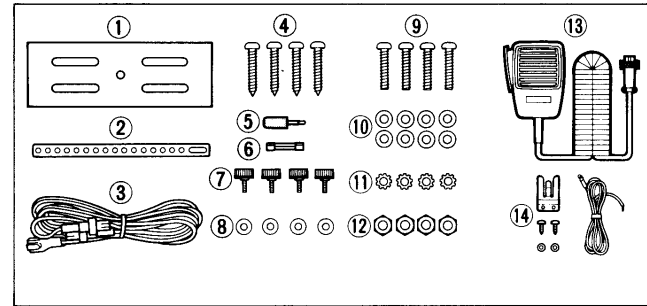
Thank you for choosing the **IC-V201 VHF FM TRANSCEIVER**. Icom uses the most advanced, state-of-the-art engineering concepts and the latest technology.

The **IC-V201** has the following features:

- Easy and simple operation
- Easy installation and connections
- Compact size
- 25 (10) W stable output power
- Non-interference receiving circuit

To fully appreciate the capabilities of the **IC-V201**, please read this instruction manual thoroughly. For further information, please feel free to contact your nearest Icom Dealer or Service Center.

UNPACKING

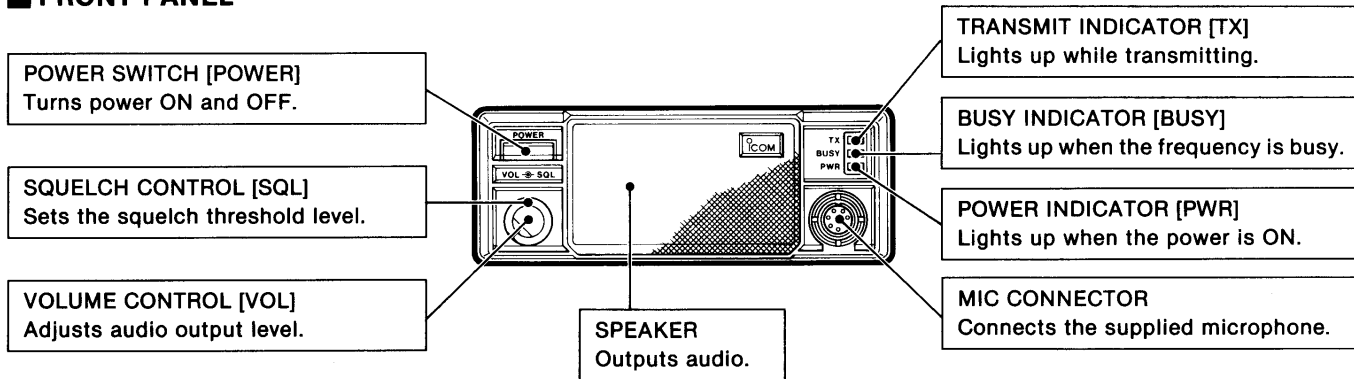


Accessories included with the IC-V201:	Qty.
① Mounting bracket.....	1
② Mounting support plate.....	1
③ DC power cable (OPC-044A).....	1
④ Self-tapping mounting screws (A0 5 × 16).....	4
⑤ External speaker plug (PJ-2240P).....	1
⑥ Fuse (10 A).....	1
⑦ Mounting bracket knobs (M4 × 8).....	4
⑧ Flat washers (M4).....	4
⑨ Mounting screws (M5 × 20).....	4
⑩ Flat washers (M5).....	8
⑪ Star washers (M5).....	4
⑫ Mounting nuts (M5).....	4
⑬ Microphone (HM-33).....	1
⑭ Microphone hanger.....	1 set

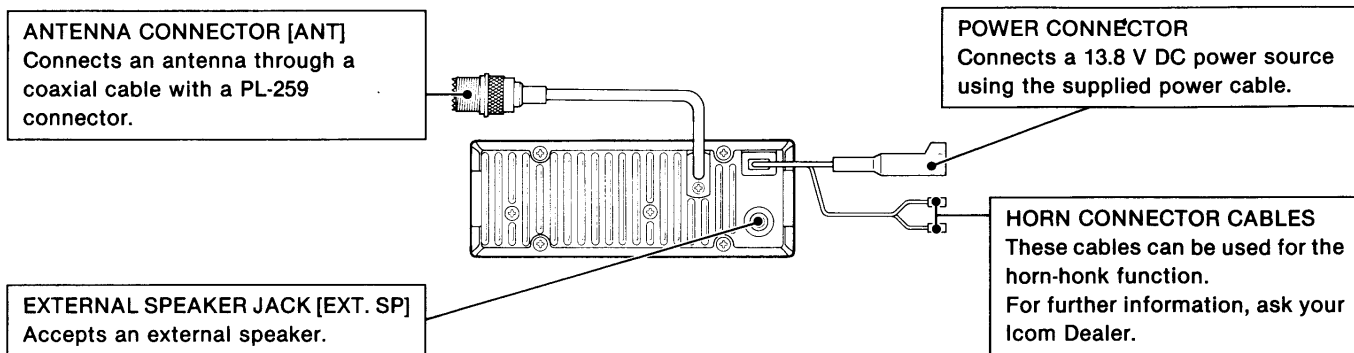
1

PANEL DESCRIPTION

FRONT PANEL



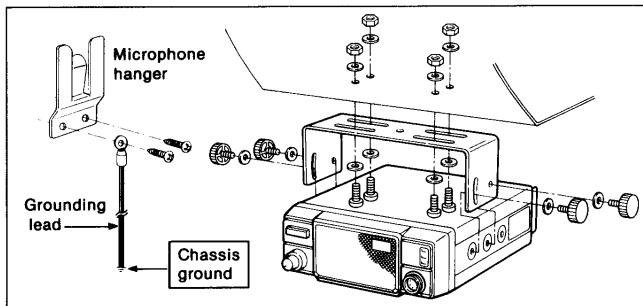
REAR PANEL



■ INSTALLATION

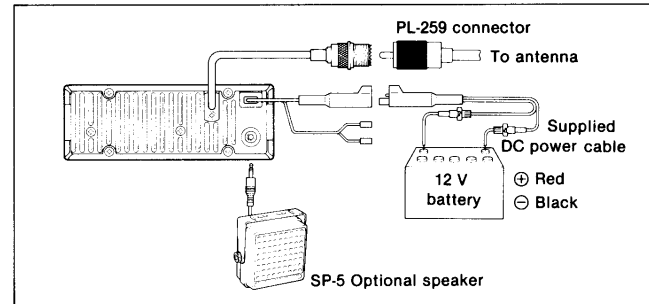
1. Select a location that can support the weight of the transceiver, and does not interfere with your driving in any way.
2. Place the mounting bracket in a suitable mounting location and mark the screw holes on the bracket. Make sure the controls and switches can be handled easily.
3. Drill the holes and mount the bracket as shown in the diagram. Tighten the screws.
4. Install the microphone hanger with a microphone hanger cable at the desired position near the transceiver. The cable must be grounded.

NOTE: DO NOT install the transceiver where hot or cold air blows directly on it.



■ CONNECTIONS

1. **ANTENNA**
Ask your dealer about the best location and antenna selection.
2. **DC POWER**
Pay attention to polarities. NEVER connect a 24 V DC battery directly. This may damage the transceiver. For base station use, the PS-200 AC POWER SUPPLY is available.
3. **MICROPHONE**
An optional desk microphone such as the SM-12 can also be connected for base station use.
4. **EXTERNAL SPEAKER**
For clearer audio an optional external speaker can be used, if you desire.



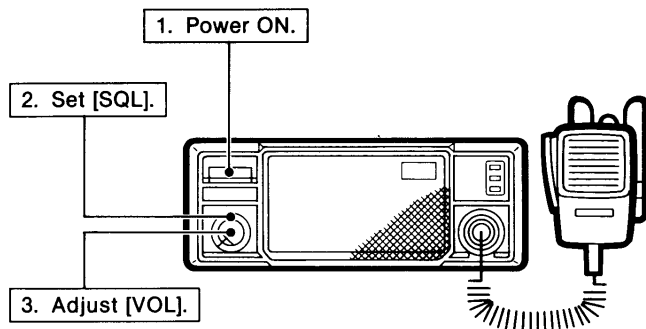
3

OPERATION

RECEIVING

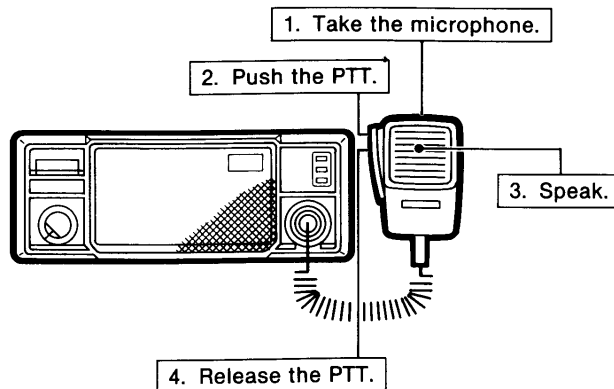
1. Push [POWER] to turn ON power.
2. Set [SQL] to center position.
3. Adjust [VOL] to the desired listening level when a call is received.

NOTE: The microphone should be hung on the microphone hanger while you wait for a call. If not, undesired signals may be heard.



TRANSMITTING

1. Take the microphone from the hanger.
 - If the frequency is busy, a signal is heard. In this case, wait until the frequency becomes clear.
2. Push and hold the PTT (Push-To-Talk) switch on the microphone.
 - The [TX] indicator lights up.
3. Speak into the microphone.
 - **DO NOT** hold the microphone too closely to your mouth or speak too loudly. This may distort the signal.
4. To return to receive release the PTT switch.



■ SPECIFICATIONS

GENERAL

- Frequency coverage : 164~174 MHz
- Mode : FM (8K50F3E)
- Antenna impedance : 50 Ω
- Usable temperature range : -25 °C~+60 °C
- Power supply requirement : 13.8 V DC
- Dimensions : 140 (W) × 50 (H) × 163 (D) mm
(Projections not included) 5.5 (W) × 2.0 (H) × 6.4 (D) in
- Weight : 1.3 kg (46 oz)

TRANSMITTER

- Output power : 25 W or 10 W
(2 versions available)

RECEIVER

- Sensitivity : 0.35 μ V for 12 dB SINAD
- Audio output power : 3 W
- Audio output impedance : 4 Ω
- Squelch sensitivity : 0.18 μ V (at threshold point)

All stated specifications are subject to change without notice or obligation.

■ OPTIONS

• HM-40 DYNAMIC MICROPHONE

A heavy-duty microphone equipped with a high-quality dynamic mic element.

• SP-5 EXTERNAL SPEAKER

A heavy-duty, high output power external mobile speaker. Provides excellent audio clarity for reliable communications.

• SP-8 EXTERNAL SPEAKER

A slim-type external mobile speaker. Can be easily installed on a sun visor, dashboard, etc.

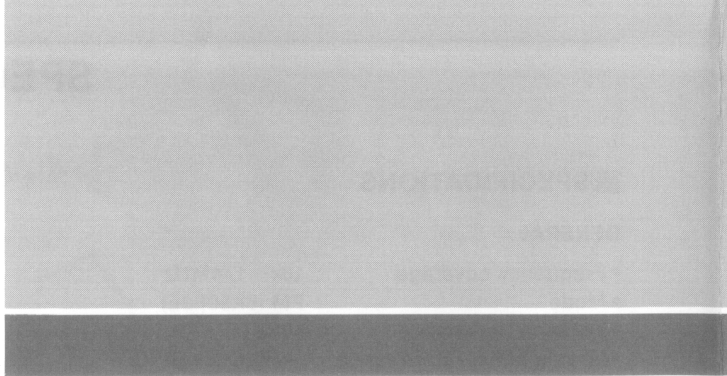
• SM-12 DESK MICROPHONE

Designed for base station use. Has a monitor switch for your operating convenience.

• PS-200 AC POWER SUPPLY

Matching style and attaches easily to the IC-V201 for base station use.

Count on us!



A-5076H-1UK
Printed in Japan
Copyright © 1989 by Icom Inc.

Icom Inc.
6-9-16, Kamihigashi, Hirano-ku, Osaka 547, Japan