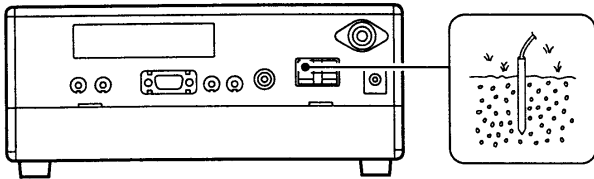


## ■ Grounding

To prevent accidents involving electricity and interference from transceivers, ground the receiver through the [GND] terminal on the rear panel.

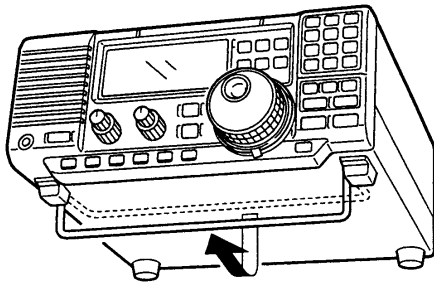
For best results, connect a heavy gauge wire or strap to a long earth-sunk copper rod. Make the distance between the [GND] terminal and ground as short as possible.

**⚠ WARNING: NEVER** connect the [GND] terminal to a gas or electric pipe, since the connection could cause an explosion or electric shock.



## ■ Receiver stand

The base of the receiver has an adjustable stand for desktop use. Set the stand to one of two angles depending on your operating conditions.

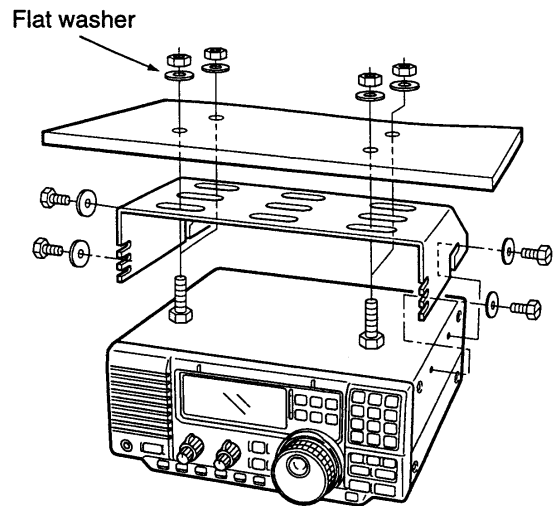


## ■ Optional bracket and carrying handle

### ◇ Mounting bracket

An optional IC-MB5 MOBILE MOUNTING BRACKET is available to install the radio under a table, on a wall, in a vehicle, etc.

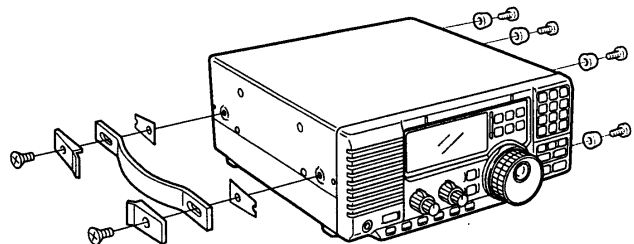
Select an area to mount the receiver keeping in mind that the weight of the receiver is approx. 3 kg.



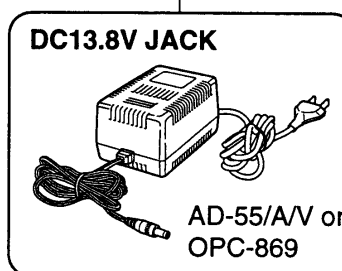
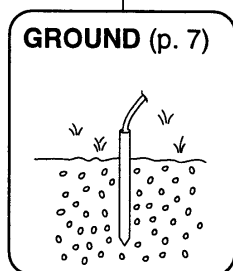
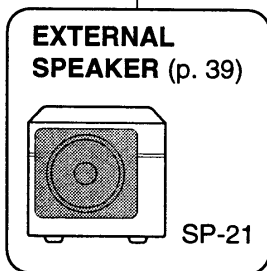
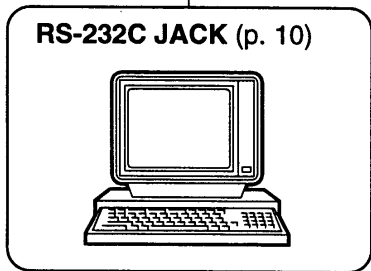
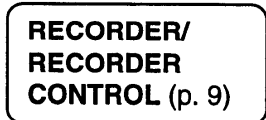
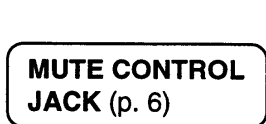
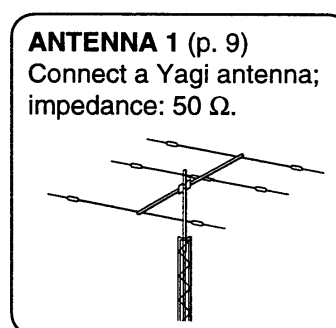
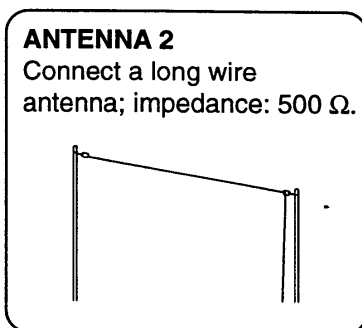
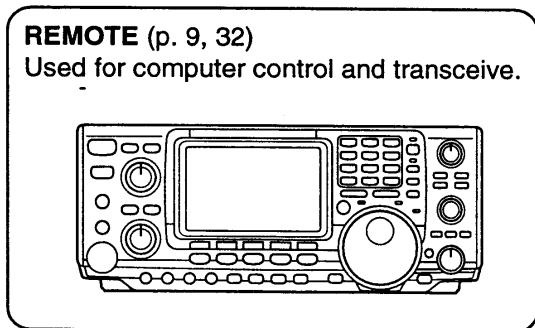
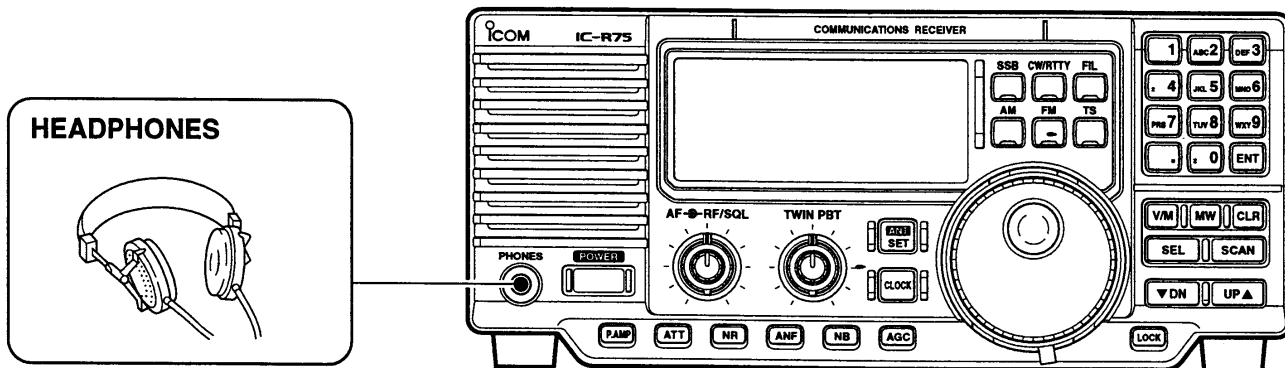
### ◇ Carrying handle

An optional handle allows you to easily carry and transport the receiver.

Attach the MB-23 CARRYING HANDLE with the supplied rubber feet as shown.



■ Connections

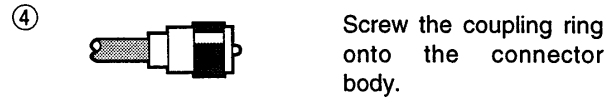
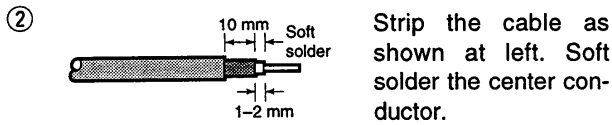
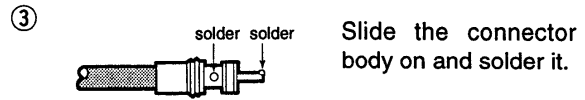
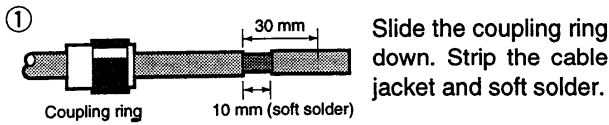


## ■ Antenna connection

Antennas play a very important role in receiver operation. Connecting a poor quality antenna to the receiver will result in less than optimum performance.

When using a 50 Ω antenna, use [ANT 1] connector for connection. When using a 500 Ω long wire antenna, use [ANT 2] terminal for connection.

### PL-259 CONNECTOR INSTALLATION EXAMPLE

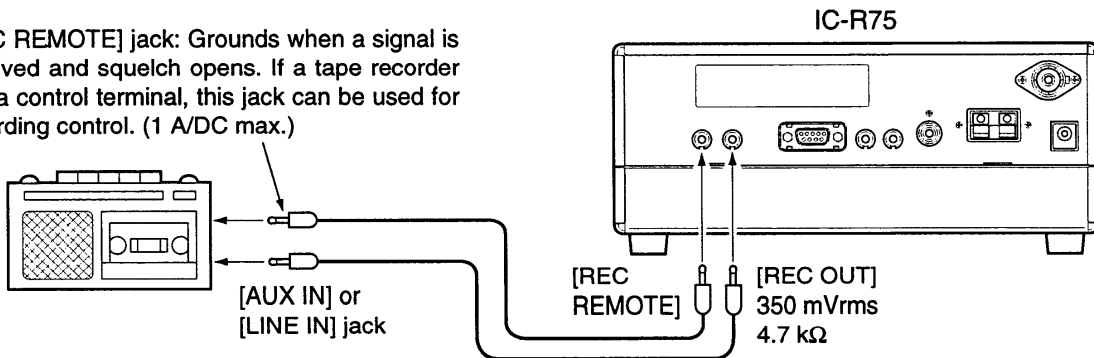


(10 mm = 3/8 in)

## ■ Tape recorder connections

The [REC OUT] jack has 350 mV rms/4.7 kΩ output for connection to other audio equipment.

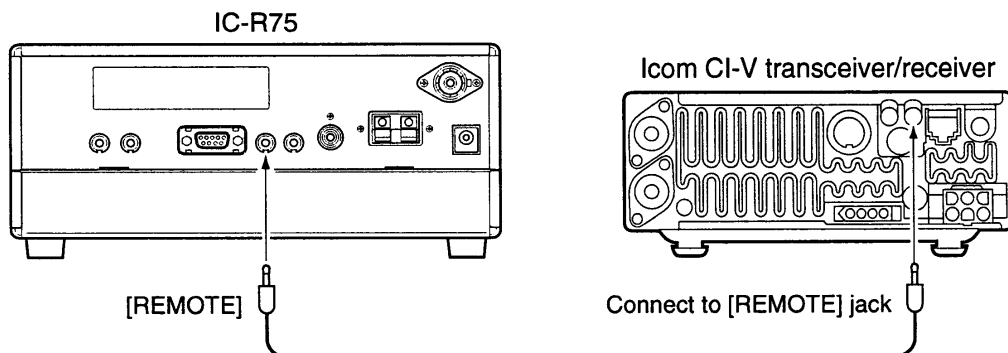
[REC REMOTE] jack: Grounds when a signal is received and squelch opens. If a tape recorder has a control terminal, this jack can be used for recording control. (1 A/DC max.)



## ■ Transceive function

Icom CI-V transceivers or receivers can be connected via the [REMOTE] jack. The frequency and mode become the same\* when either radio is changed.

\*When a set frequency is out-of-range for one of the connected transceivers or receivers, the connected radio's frequency/mode does not change.



⚡ Be sure the "CIV TRn" item is turned ON in set mode (p. 32).

## ■ FSK and AFSK (SSTV) connections

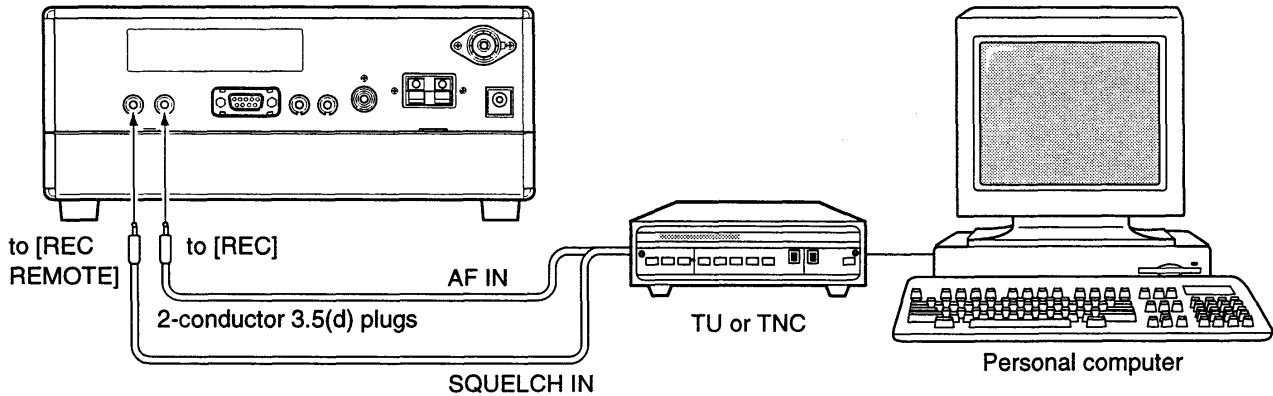
To connect a terminal unit, TNC or scan converter, refer to the diagram below.

- ① Connect a terminal unit as below.
- ② Select RTTY mode (or USB, CW modes for HF band data communications).
- ③ Set the receiver to the desired frequency as at right.
- ④ Set the connected terminal unit to the appropriate settings.
  - Refer to the terminal unit's instructions.

▨ The optional 250 Hz CW narrow filters may not pass RTTY signals. Be sure to select the appropriate IF filters corresponding to the signal width. (pgs. 18, 19)

**Frequency settings depend on the mode used.**

- ▨ FM mode:  
[Setting frequency (displayed freq.)] = [Desired freq.]
- ▨ USB mode:  
[Setting frequency (displayed freq.)] = [Desired freq.] - [Center of Mark and Space freq.]
- ▨ CW narrow mode:  
[Setting frequency (displayed freq.)] = [Desired freq.] - [Center of Mark and Space freq.] + [600 Hz]
- ▨ LSB mode (for amateur RTTY):  
[Setting frequency (displayed freq.)] = [Desired freq.] + [Mark freq.]



## ■ Connecting to a PC

The RS-R75 remote control software is available to perform data setting and remote control of the receiver.

Refer to the diagram below for connection.

### ◆ System requirements

To use this program, the following hardware and software are required:

- IBM PC compatible computer
- An RS-232C serial port
- Microsoft® Windows® 95 or Microsoft® Windows® 98
- Intel i486DX4 processor or faster (Pentium® 100 MHz or faster recommended)
- At least 16 MB RAM
- At least 10 MB of hard disk space
- At least 640 × 480 pixel, high color (16 bit) display

