

# INSTALLATION AND CONNECTIONS

## ■ Unpacking

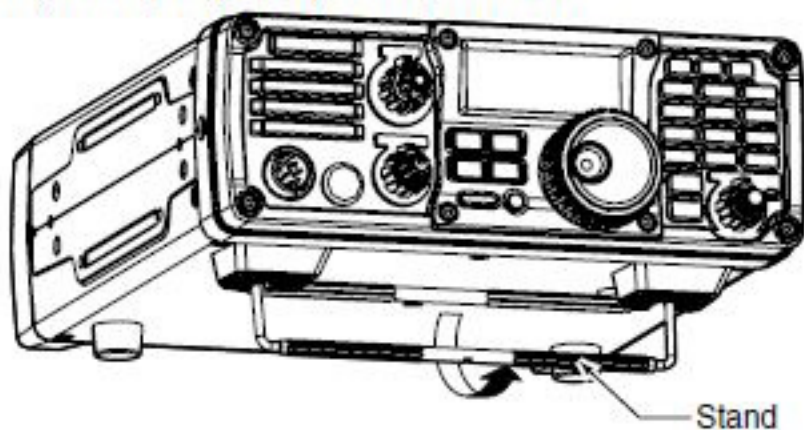
After unpacking, immediately report any damage to the delivering carrier or dealer. Keep the shipping cartons.

For a description and a diagram of accessory equipment included with the IC-7200, see 'Supplied accessories' on p. i of this manual.

## ■ Selecting a location

Select a location for the transceiver that allows adequate air circulation, free from extreme heat, cold, or vibrations, and away from TV sets, TV antenna elements, radios and other electromagnetic sources.

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

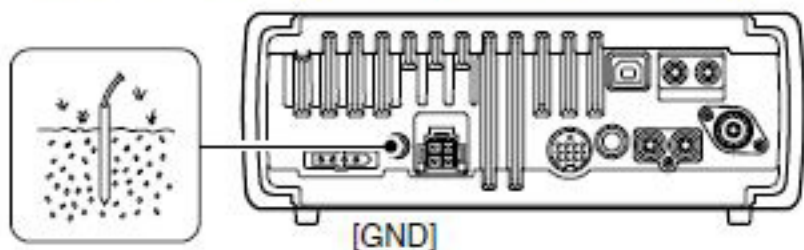


## ■ Grounding

To prevent electrical shock, television interference (TVI), broadcast interference (BCI) and other problems, ground the transceiver through the GROUND terminal on the rear panel.

For best results, connect a copper or copper-plated ground rod driven into the earth. Make the distance between the [GND] terminal and ground as short and straight as possible.

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

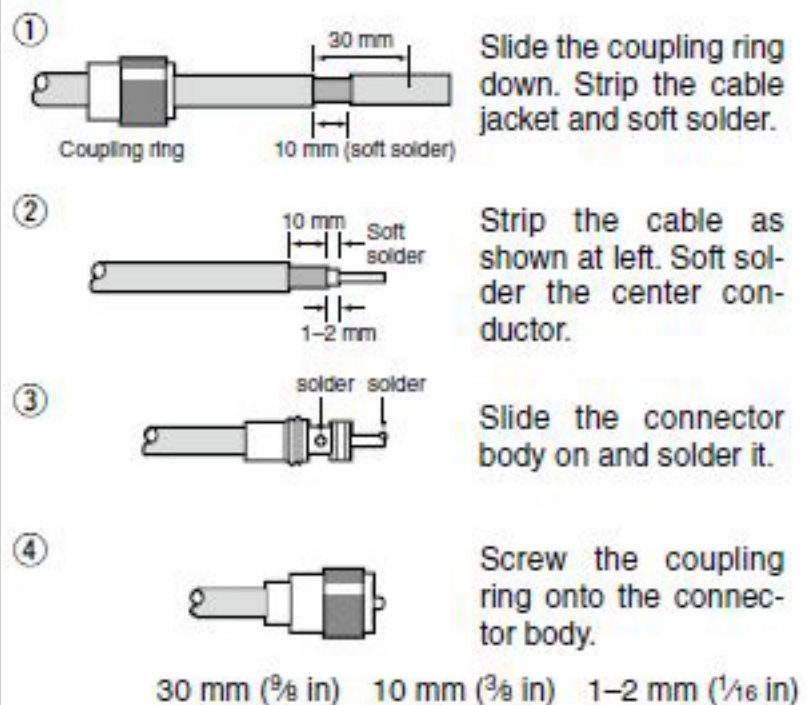


## ■ Antenna connection

For radio communications the antenna is of critical importance for output power and sensitivity. Use well-matched 50 Ω antennas and coaxial feedline. An SWR (standing wave ratio) of 1.5:1 or lower is recommended when transmitting.

**CAUTION:** Protect your transceiver from lightning by using a lightning arrestor.

### PL-259 CONNECTOR INSTALLATION EXAMPLE



### Antenna SWR

Each antenna is tuned for a specified frequency range and SWR may be increased out-of-range. When the SWR is higher than approx. 2.0:1, the transceiver's power drops to protect the final transistor. In this case, an optional antenna tuner is useful to match the transceiver and antenna. Low SWR allows full power for transmitting even when using the antenna tuner. The IC-7200 has an SWR meter to monitor the antenna SWR continuously.