

OPTIONS

◇ BATTERY PACKS

• BP-278/BP-279/BP-280 BATTERY PACK

| Battery pack | Voltage | Capacity                                 | Battery life* |
|--------------|---------|------------------------------------------|---------------|
| BP-278       | 7.2 V   | 1130 mAh (minimum)<br>1190 mAh (typical) | 9 hours       |
| BP-279       | 7.2 V   | 1485 mAh (minimum)<br>1570 mAh (typical) | 12 hours      |
| BP-280       | 7.2 V   | 2280 mAh (minimum)<br>2400 mAh (typical) | 18 hours      |

\* When the power save function is turned ON, and the operating periods are calculated under the following conditions.  
TX : RX : standby = 5 : 5 : 90

◇ CHARGERS

- **BC-213** DESKTOP CHARGER + **BC-123S** AC ADAPTER  
To rapid charge a single battery pack.
- **BC-214** MULTI CHARGER + **BC-157S** AC ADAPTER  
To rapid charge up to 6 battery packs.

◇ DC CABLES

- **CP-23L** CIGARETTE LIGHTER CABLE  
Use when charging the battery pack from a 12 V cigarette lighter socket. (Use with the BC-213)
- **OPC-656** DC POWER CABLE  
Use with a 13.8 V power source instead of the power adapter. (Use with the BC-214)

◇ ANTENNAS

• FA-SC25V/FA-SC55V/FA-SC62V/FA-SC63V

VHF ANTENNAS

FA-SC25V: 136–150 MHz  
FA-SC55V: 150–174 MHz  
FA-SC62V: 150–160 MHz  
FA-SC63V: 155–165 MHz

• FA-SC26VS/FA-SC27VS/FA-SC56VS/FA-SC57VS

VHF STUBBY ANTENNAS

FA-SC26VS: 136–144 MHz  
FA-SC27VS: 142–150 MHz  
FA-SC56VS: 150–162 MHz  
FA-SC57VS: 160–174 MHz

• FA-SC61VC VHF CUT ANTENNA

FA-SC61VC: 136–174 MHz

• FA-SC25U/FA-SC57U/FA-SC72U/FA-SC73US

UHF ANTENNAS

FA-SC25U: 400–430 MHz  
FA-SC57U: 430–470 MHz  
FA-SC72U: 470–520 MHz  
FA-SC73US: 450–490 MHz

• FA-SC26US UHF STUBBY ANTENNA

FA-SC26US: 400–450 MHz

• FA-SC01U/FA-SC02U UHF ANTENNA

FA-SC01U: 350–400 MHz  
FA-SC02U: 330–380 MHz

• FA-SC61UC UHF CUT ANTENNA

FA-SC61UC: 380–520 MHz

◇ OTHERS

- **MB-130** MOBILE BRACKET  
Mounts the BC-213 DESKTOP CHARGER on a variety of places in a vehicle.
- **MB-133** BELT CLIP
- **HM-158LA/HM-159LA/HM-168LWP/HM-171GPW** SPEAKER MICROPHONE  
Combination speaker-microphone that provides convenient operation while the transceiver is hanging on your belt.  
The HM-171GPW includes high-performance GPS receiver.
  - Adjust the microphone gain before use.
- **HM-153LA/HM-166LA** EARPHONE-MICROPHONE  
Ideal for hands-free operation. Clip the HM-153LA or HM-166LA (with integrated PTT SWITCH) to your lapel or breast pocket.
  - Adjust the microphone gain before use.
- **HS-94/HS-95/HS-97** HEADSET + **VS-4LA** PTT SWITCH CABLE + **OPC-2004LA** ADAPTER CABLE  
HS-94: Ear-hook type  
HS-95: Neck-arm type  
HS-97: Throat microphone  
VS-4LA: To connect to headsets  
OPC-2004LA: To connect to headsets for VOX operation
  - Adjust the both microphone and VOX gain before use.
- **HS-94LWP/HS-95LWP** HEADSET  
HS-94LWP: Ear-hook type  
HS-95LWP: Neck-arm type
  - Adjust the both microphone and VOX gain before use.

Some options may not be available in some countries. Ask your dealer for details.

Approved Icom optional equipment is designed for optimal performance when used with an Icom transceiver. Icom is not responsible for the destruction or damage to an Icom transceiver in the event the Icom transceiver is used with equipment that is not manufactured or approved by Icom.

Icom, Icom Inc. and the Icom logo are registered trademarks of Icom Incorporated (Japan) in Japan, the United States, the United Kingdom, Germany, France, Spain, Russia, and/or other countries.  
All other products or brands are registered trademarks or trademarks of their respective holders.

ICOM

INSTRUCTIONS

VHF DIGITAL TRANSCEIVERS

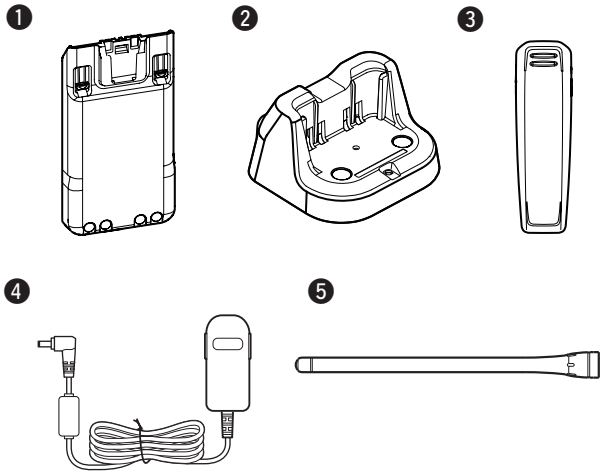
IC-F1000D series

UHF DIGITAL TRANSCEIVERS

IC-F2000D series

Thank you for purchasing the IC-F1000D series VHF DIGITAL TRANSCEIVERS or IC-F2000D series UHF DIGITAL TRANSCEIVERS.  
**READ ALL INSTRUCTIONS** carefully and completely before using the transceiver.

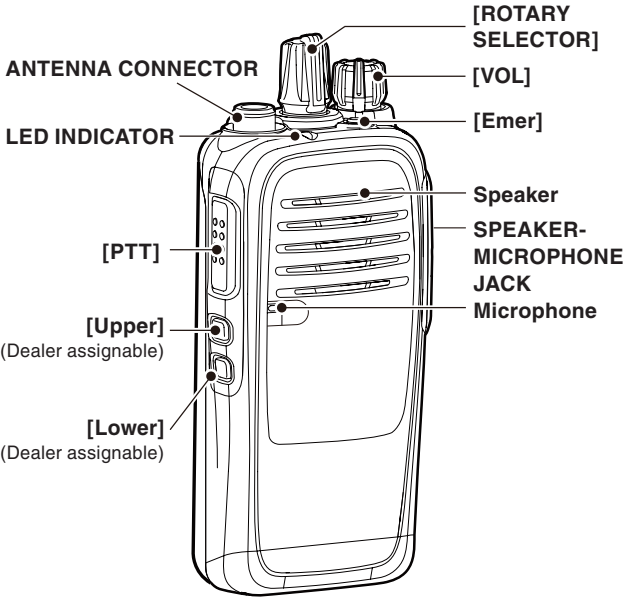
SUPPLIED ACCESSORIES



- 1 Battery pack\*
- 2 Battery charger\* (BC-213)
- 3 Belt clip (MB-133)
- 4 Power adapter\* (for the battery charger)
- 5 Flexible antenna\*

\*Not supplied, or the shape is different, depending on the transceiver version.

PANEL DESCRIPTION



◇ About the LED Indicator

- Lights red while transmitting.
- Lights green while receiving a signal, or when the squelch is open.
- Lights or blinks orange when the matched 2-Tone or 5-Tone is received, depending on the presetting.
- You should charge the battery when the indicator slowly blinks green.
- You must charge the battery when the indicator blinks green fast.

◇ About the Speaker microphone jack

**CAUTION:** Only when the jack cover or the optional HM-168LWP, HM-171GPW, HS-94LWP, or HS-95LWP is attached, the transceiver meets IP67 requirements for dust-tight and waterproof protection.

## BATTERY CHARGING

### ◇ Rapid charging the supplied BC-213

The BC-213 DESKTOP CHARGER rapidly charges the Li-ion battery pack.

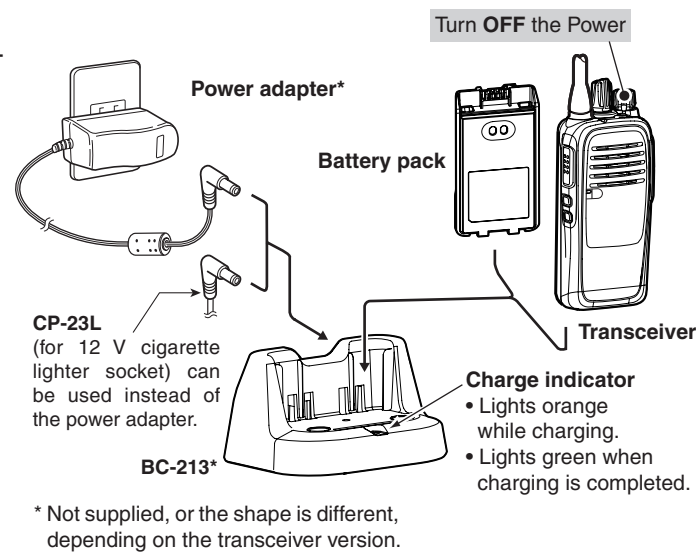
The BC-213 is used with a power adapter or the CP-23L CIGARETTE LIGHTER CABLE (purchase separately).

#### • Charging time of the BP-280

Approximately 3.5 hours

**CAUTION:** STOP charging, if the charge indicator lights orange and green alternately.

**NOTE:** Charge the battery within the specified temperature range of +10°C to +40°C (+50°F to +104°F). Otherwise, the charging time will be longer, but the battery will not reach a full charge. While charging, at a point after the temperature goes out of the specified range, the charging will automatically stop.



### ◇ Rapid charging the BC-214

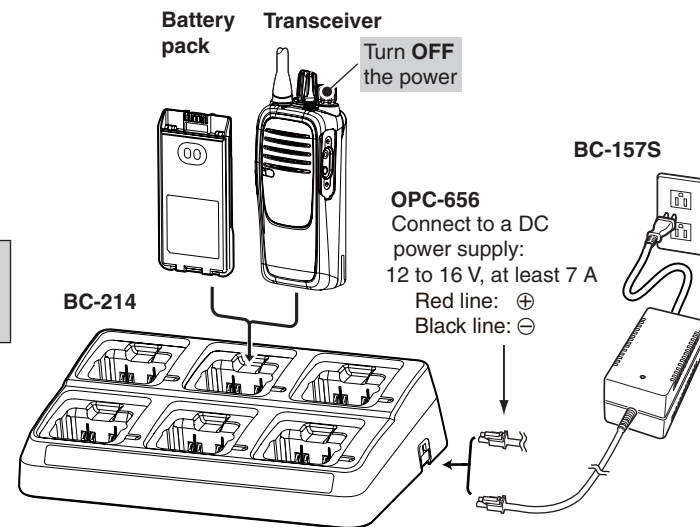
The BC-214 MULTI CHARGER (purchase separately) can simultaneously charge up to 6 Li-ion battery packs.

The BC-214 is used with BC-157S AC ADAPTER (purchase separately) or the OPC-656 DC POWER CABLE (purchase separately).

For more information about Icom accessories, please read the “**OPTIONS**” printed on the reverse side of this instruction sheet.

#### • Charging time of the BP-280

Approximately 3.5 hours



## BASIC OPERATION

### ◇ Turning power ON

Before using the transceiver for the first time, the battery pack must be fully charged for optimum life and operation. See the instructions on page 2.

Rotate [VOL] to turn ON the power.



### ◇ Receiving and Transmitting

#### CAUTION:

Attach an antenna before transmitting. Transmitting without an antenna may damage the transceiver.

#### Receiving:

- ① Rotate [ROTARY SELECTOR] to select a channel.
  - Or, push one of [MR-CH 1], [MR-CH 2], [MR-CH 3], or [MR-CH 4], if assigned to [Upper] or [Lower].
- ② When receiving a call, adjust the audio output level to a comfortable listening level.

#### Transmitting:

Wait until the channel is clear to avoid interference.

- ① While holding down [PTT], speak at a normal voice level.
- ② Release [PTT] to receive.

#### IMPORTANT:

To maximize the readability of your signal:

1. After pushing [PTT], pause briefly before you start speaking.
2. Hold the microphone 5 to 10 cm (2 to 4 inches) from your mouth, then speak at a normal voice level.