Options

- **Battery Packs**
  - BP-278/BP-279/BP-280 Battery Pack

<table>
<thead>
<tr>
<th>Battery pack</th>
<th>Voltage</th>
<th>Capacity (minimum)</th>
<th>Battery life</th>
</tr>
</thead>
<tbody>
<tr>
<td>BP-278</td>
<td>7.2 V</td>
<td>1130 mAh</td>
<td>9 hours</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(typical)</td>
<td></td>
</tr>
<tr>
<td>BP-279</td>
<td>7.2 V</td>
<td>1485 mAh</td>
<td>12 hours</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(minimum) 15/70 mAh</td>
<td>(typical)</td>
</tr>
<tr>
<td>BP-280</td>
<td>7.2 V</td>
<td>2280 mAh</td>
<td>18 hours</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(minimum) 2400 mAh</td>
<td></td>
</tr>
</tbody>
</table>

*When the power save function is turned ON, the operating periods are calculated under the following conditions.

- **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 VHF Antennas
    - FA-SC25V: 136–150 MHz
    - FA-SC55V: 150–174 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: 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 integral 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 headphones
    - OPC-2004LA: To connect to headphones 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.

- **Antenna Selection**
  - UHF Antennas
    - FA-SC25U: 400–430 MHz
    - FA-SC57U: 430–470 MHz
    - FA-SC72U: 470–520 MHz
    - FA-SC73US: 450–490 MHz
  - VHF Antennas
    - FA-SC25V: 136–150 MHz
    - FA-SC55V: 150–174 MHz
  - Supplied Accessories
    - Battery pack
    - Battery charger (BC-213)
    - Belt clip (MB-133)
    - Power adapter* (for the battery charger)
    - Flexible antenna*
    - *Not supplied, or the shape is different, depending on the transceiver version.

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.

Optionally, in some countries, you can purchase:

- VS-4LA: To connect to headsets
- HS-97: Throat microphone
- HS-97: Throat microphone
- HS-95LWP: Neck-arm type
- HS-94LWP: Ear-hook type
- HS-94: Ear-hook type
- HS-95: Neck-arm type

- Use the HS-95 or HS-97 microphone for VOX operation.
- Adjust the microphone gain before use.

HM-158LA/HM-159LA/HM-168LWP/HM-171GPW Speaker Microphone

- Adjustable microphone gain and VOX gain
- VS-4LA PTT Switch Cable
- OPC-2004LA Adapter Cable

Other Features

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

- ABOUT THE SPEAKER MICROPHONE JACK

- The HM-171GPW includes high-performance GPS receiver:
  - Adjust the microphone gain before use.
  - 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 headphones

- OPC-2004LA: To connect to headphones 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.

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.
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:
- 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].
- When receiving a call, adjust the audio output level to a comfortable listening level.

Transmitting:
Wait until the channel is clear to avoid interference.
- While holding down [PTT], speak at a normal voice level.
- 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.

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

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.