# **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) 1190 mAh (typical)	VHF	10 hours
			UHF	10 hours
BP-279	7.2 V	1485 mAh (minimum) 1570 mAh (typical)	VHF	14 hours
			UHF	14 hours
BP-280	7.2 V	2280 mAh (minimum) 2400 mhA (typical)	VHF	20 hours
			UHF	20 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 SPEAKER MICROPHONE

Combination speaker-microphone that provides convenient operation while the transceiver is hanging on vour belt.

· 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.

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2 3 4 6

# PANEL DESCRIPTION



The illustration is for the 10-key type transceivers.

\* Depending on the transceiver version

- 4 -

Thank you for purchasing the IC-F1000 series VHF TRANSCEIVERS or IC-F2000 series UHF TRANSCEIV-ERS. READ ALL INSTRUCTIONS carefully and completely before using the transceiver.

# SUPPLIED ACCESSORIES

- Battery pack\*
- 2 Battery charger\* (BC-213)
- Belt clip (MB-133)
- Over adapter\* (for the battery charger)
- 6 Flexible antenna\*
- \* Not supplied, or the shape is different, depending on the transceiver version.

There are three types of transceivers in the IC-F1000 and IC-F2000 series.

IC-F1000/F2000:	Non-display type (Basic type)	
IC-F1000S/F2000S:	Simple type (4-key type)	
	[LCD + 4 keys (P0-P3)]	
IC-F1000T/F2000T:	10-key type	
	[LCD + 4 keys + 10-key Pad]	

# ♦ 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

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1	
1	
1	

**CAUTION:** Only when the jack cover or the optional HM-168LWP, HS-94LWP, or HS-95LWP is attached. the transceiver meets IP67 requirements for dust-1/2 tight and waterproof protection.

#### Count on us!

# **FUNCTION DISPLAY**



### **O**SIGNAL STRENGTH INDICATOR

Displays the relative receive signal strength level. **2** LOW POWER ICON

- Appears when low output power is selected.
- When the battery charge decreases to a set level, low power is automatically selected.
- **3** AUDIBLE ICON
- ➡ Appears when the channel is in the 'audible' (unmuted) mode.
- → Appears when a matched 2-Tone or 5-Tone is received.

#### **4** COMPANDER ICON

Appears when the Compander function is ON. **G**SCRAMBLER ICON

Appears when the Voice Scrambler function is ON.

### ♦ Rapid charging the supplied BC-213

The BC-213 DESKTOP CHARGER rapidly charges the Liion 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-279 Approximately 2 to 3 hours

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

**NOTE:** Charge the battery within the specified tem-// perature range of  $+10^{\circ}$ C to  $+40^{\circ}$ C ( $+50^{\circ}$ F to  $+104^{\circ}$ F). Otherwise, the charging time will be longer, but the battery will not reach a full charge. While charging, 2 at a point after the temperature goes out of the spec*ified 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).

#### • Charging time of the BP-279 Approximately 2 to 3 hours

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

### **G**BELL ICON

Appears or blinks when a matched 2-Tone or 5-Tone is received, depending on the presetting.

#### SCAN ICON

- Appears or blinks while scanning.
- **B KEY LOCK ICON** Appears when the Key Lock function is ON.

#### **9** BATTERY INDICATOR

Displays the remaining battery charge. Blinks when the battery charge decreases to a set level.

### **@**ALPHANUMERIC READOUT

Displays messages such as channel text.

# **BATTERY CHARGING**



depending on the transceiver version.



# ♦ 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.



# **BASIC OPERATION**

# ♦ Receiving and Transmitting

## % CAUTION:

- $\frac{1}{2}$  Attach an antenna before transmitting.
- Transmitting without an antenna may damage the
- *Itransceiver*.

## **Receiving:**

- (1) Rotate [ROTARY SELECTOR], or push one of the memory channel keys, [MR-CH 1] to [MR-CH 4], to select a channel.
- 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.