

### More Distance, Louder and Clearer Audio – Reliable Radio Communication Tool



- 5 W output power plus new antenna provides 1.5 times\*<sup>1</sup> more communication distance
- 1500 mW powerful audio and 1.5 times\*<sup>2</sup> higher sound pressure
- Dust-protection, water resistance and a tough body (IP54 and MIL-STD 810G)
- 19 hours\*<sup>3</sup> of long lasting battery life
- 200 channels with 5-character alphanumeric display
- Automatic DTMF transmission linked to PTT (on pressing PTT (Log-in) / on releasing PTT (Log-off))
- Durable BNC type antenna connector

#### And More

- The rotary knob on the top panel is assignable either to volume control or channel selector
- Supplied BC-240, battery charger with a charging control function that prolongs the life of the battery
- Integrated VOX function
- Built-in CTCSS and DTCS encoder/decoder
- Priority, memory, skip and tone scanning

\*<sup>1</sup> Wide open space. Approximate, comparing the IC-G86 with the IC-G80. Communication range may differ depending on operating environment or weather conditions, etc.

\*<sup>2</sup> Approximate, comparing the IC-G86 with the IC-G80.

\*<sup>3</sup> At EX Hi Power mode. TX : RX : standby = 5 : 5 : 90 (The Power Save function is on.)



1500 mW powerful audio

**SPECIFICATIONS**

GENERAL	
Frequency range	136-174 MHz
Type of emissions	F2D, F3E (FM, FM-N)
Number of channels	200 channels
Antenna impedance	50 Ω
Power supply requirement	7.5 V DC
Operating temperature range	-20°C to +60°C, -4°F to +140°F
Frequency stability	±2.5 ppm (-20°C to +60°C, -4°F to +140°F)
Current drain	
TX (EX Hi/Hi/Mid/Low)	1.6/1.4/1.0/0.5 A
RX (Max. audio)	450 mA typ. (INT SP), 200 mA typ. (EXT SP)
Dimensions (WxHxD) (Projections not included)	58.6 × 112 × 30.5 mm, 2.3 × 4.4 × 1.2 in (with BP-298)
Weight (Approximate)	300 g, 10.6 oz (with BP-298, FA-B57V)
TRANSMITTER	
Output power	5.0/3.0/2.0/0.5 W (EX Hi/Hi/Mid/Low)
Maximum frequency deviation	±5.0 kHz/±2.5 kHz (Wide/Narrow)
Spurious emissions	-80 dB
External microphone connector	3-conductor 2.5 (d) mm (1/10")/2.2 kΩ
RECEIVER	
Sensitivity	0.14μV (at 12dB sinad)
Squelch sensitivity	0.11μV
Selectivity (Wide/Narrow)	75 dB/70 dB
Intermodulation	70 dB
Audio output power	
Internal speaker	1500 mW (with 8 Ω load)
External speaker	550 mW (with 8 Ω load)
External speaker connector	3-conductor 3.5 (d) mm (1/8")/ 8 Ω

All stated specifications are subject to change without notice or obligation.

**Applicable U.S. Military Specifications & IP Rating**

Standard	MIL 810G	
	Method	Procedure
Low Pressure	500.5	I, II
High Temperature	501.5	I, II
Low Temperature	502.5	I, II
Temperature Shock	503.5	I-C
Solar Radiation	505.5	I
Rain Blowing/Drip	506.5	I, III
Humidity	507.5	II
Salt Fog	509.5	-
Dust Blowing	510.5	I
Vibration	514.6	I
Shock	516.6	I, IV

Also meets equivalent MIL-STD-810-C, -D, -E and -F.

Ingress Protection Standard	
Dust and Water	IP54 (Dust-protection, water resistance)
<b>Supplied accessories :</b>	
● BP-298, battery pack	● BC-240, desktop charger
● MB-124, belt clip	● FA-B57V, antenna
	● BC-242, AC adapter

**OPTIONS**

**BATTERY PACKS & CASE**

Battery pack type	Capacity	Operating time*
<b>BP-298</b> Rechargeable Li-ion	2100 mAh (min.), 2250 mAh (typ.)	Up to 19 hours
<b>BP-299</b> Rechargeable Li-ion	3050 mAh (min.), 3150 mAh (typ.)	Up to 27 hours
<b>BP-263</b> AA (LR6) batteries × 6	—	—

\* At EX Hi Power mode. TX : RX : standby = 5 : 5 : 90 (The Power Save function is on.)

**RAPID CHARGERS**

**BC-240** Rapid charger for BP-298/BP-299  
**BC-191** Rapid charger for BP-264

**PTT SWITCH CABLE & PLUG ADAPTER CABLE VS-4LA**  
For manual PTT operation  
**OPC-2004LA**  
For VOX operation

**MULTI-CHARGER**  
**BC-214N\*** For BP-298/BP-299

**SPEAKER-MICROPHONES**

Waterproof

\*The AD-139/AD-120 charger adapters are supplied with the BC-214N/BC-197, depending on the charger version.

**EARPHONE-MICROPHONES**

**CHARGER BRACKET MB-130**  
For single chargers

**CIGARETTE LIGHTER CABLE CP-23L**  
For single chargers

**DC POWER CABLES**

▲ **OPC-515L**  
For single chargers

▲ **OPC-656**  
For multi-chargers

**ANTENNAS**

**FA-B45V** 140 MHz  
**FA-B57V** 160 MHz

**BELT CLIP MB-124**

**PROGRAMMING SOFTWARE & CABLES**

**CS-G86** Programming software  
**OPC-478UC** Handheld to PC USB cable  
**OPC-474** Handheld to handheld

The "3D GENUINE Icom label" is attached to the rear chassis under the battery. check the Icom website for details: <http://www.icom.jp/world/genuine-info/>



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