

 ICOM

VHF AND UHF TRANSCEIVERS

IC-V82

144MHz General (LM) version

IC-U82

430MHz General (LM) version

DIGITAL

With optional UT-118
or UT-114

Rugged
MIL-STD 810



IC-U82

IC-V82

High Power! Digital Capability! Power to Go Anywhere!

- Powerful 7W of output power*
* 5W for UHF
- Optional Digital unit, UT-114
— Digital selective calling, digital voice scrambler and short data message capabilities
- Tough construction and Simple operation
- 200 memory channels, 1 call channel and 6 scan edges
- 10 memory banks and bank link scan
- 5 character alphanumeric display
- Priority, program, memory, skip and tone scanning
- Built-in CTCSS and DTCSS encoder/decoder
- 16 DTMF autodial memories
- Variety of battery packs/case available
— Ni-Cd, Ni-MH, Li-Ion and alkaline cells
- Optional DTMF decoder unit, UT-108 offers ANI and pager functions
- Optional voice scrambler unit, UT-109 or UT-110

icom Inc.

SPECIFICATIONS

GENERAL

- Frequency coverage :
 - IC-V82 136-174MHz*1
 - IC-U82 400-479MHz*2
 - Guaranteed range *1 144-148MHz, *2 430-440MHz
- Mode : F3E, F2D, F7W*
 - * Optional UT-114/UT-118 required.
- No. of memory Ch. : 207 (incl. 6 scan edges and 1 call)
- Operating Temp. range : -10°C to +60°C; +14°F to +140°F
- Frequency stability : ±2.5ppm (-10°C to +60°C)
- Power supply : 7.2V DC (6.0-10.3V DC accept-requirement able; Icom's battery pack only)
- Current drain (at 7.2V DC):

		IC-V82	IC-U82
Tx	High (7W/5W)	2.6A	2.0A
	Max. audio	250mA	250mA
Rx	Standby	80mA	80mA
	Power save	30mA	30mA

- Antenna impedance : 50Ω (BNC)
- Dimensions (W×H×D) : 54 × 139 × 36.7 mm;

- (Projections not included) 2 1/8 × 5 1/2 × 1 1/16 in
- Weight (approx.) : 390g; 13.8oz (w/ant. and BP-222N)

TRANSMITTER

- Output power (at 7.2V DC):
 - IC-V82 7.0/4.0/0.5W (High/mid/low)
 - IC-U82 5.0/2.0/0.5W (High/mid/low)
- Spurious emissions : Less than -60dBc
- Max. freq. deviation : ±5.0/±2.5kHz (Wide/narrow)
- Ext. microphone connector : 3-conductor 2.5(d)mm (1/10") /2.2kΩ

RECEIVER

- Intermediate freq. : 46.35MHz/450kHz (1st/2nd)
- Sensitivity : 0.16μV (typ.; at 12dB SINAD)
- Squelch sensitivity : 0.11μV (typ.; threshold)
- Selectivity : More than 55/50dB (wide/narrow)
- Spurious and image rejection : 80dB (typ.; VHF) 70dB (typ.; UHF)

- Intermodulation : 65dB (typ.)
- Audio output power : 300mW with an 8Ω load
- Ext. speaker connector : 3-conductor 3.5(d)mm (1/8")/8Ω
- Ext. Data connector : 3-conductor 2.5(d)mm (1/10")

Applicable U.S. Military Specifications

Standard	MIL 810 C		MIL 810 D		MIL 810 E		MIL 810 F	
	Method	Proc.	Method	Proc.	Method	Proc.	Method	Proc.
Low Pressure	500.1	I	500.2	I, II	500.3	I, II	500.4	I, II
High Temp.	501.1	I	501.2	I, II	501.3	I, II	501.4	I, II
Low Temp.	502.1	I	502.2	I, II	502.3	I, II	502.4	I, II
Temp. Shock	503.1	I	503.2	I	503.3	I	503.4	I
Solar Radiation	505.1	I	505.2	I	505.3	I	505.4	I
Rain Drip	506.1	II	506.2	II	506.3	II	506.4	III
Humidity	507.1	I, II	507.2	II, III	507.3	II, III	507.4	-
Salt Fog	509.1	I	509.2	I	509.3	I	509.4	-
Dust Blowing	510.1	I	510.2	I	510.3	I	510.4	I
Vibration	514.2	VIII, X	514.3	I	514.4	I	514.5	I
Shock	516.2	I, II, V	516.3	I, IV	516.4	I, IV	516.5	I, IV

Supplied accessories

- Battery case or battery pack* ● Desktop charger*
- Antenna ● Belt clip *depending on version

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

OPTIONS

BP-208N 7.2V/1100mAh AA (LR6) batteries × 6

BP-209N Ni-Cd 7.2V/1100mAh

BP-210N Ni-MH 7.2V/1650mAh

BP-211N 7.4V/1800mAh

BATTERY PACKS AND CASE		BP-208N	BP-209N	BP-210N	BP-211N	BP-222N
BATTERY LIFE	VHF (7W)	-	3 h 20 min	6 hours	6 h 10 min	2 h 15 min
	UHF (5W)	-	3 h 40 min	7 hours	8 h 15 min	2 h 50 min

Battery life is approx. time; Tx (H): Rx: standby=1:1; 8 power save function when set at auto.

REGULAR CHARGER

▼BC-147A/E

▲BC-146

BC-146 DESKTOP CHARGER + BC-147A/E AC ADAPTER
Charges the Ni-Cd or Ni-MH battery pack, BP-209N, BP-210N, BP-222N with/without transceiver in 12, 18.5, 6.5 hours (approx.), respectively. The BC-147 AC adapter is additionally required. Cannot charge Li-Ion battery pack, BP-211N.

RAPID CHARGERS

▼BC-145 A/E/V

▲BC-144N

▼BC-157

▲BC-121N+AD-101 (6 pcs.)

BC-144N DESKTOP CHARGER + BC-145A/E/V AC ADAPTER
For rapid charging of battery pack, BP-209N, BP-210N or BP-222N. An AC adapter, BC-145, is supplied with the charger depending on version. Charging time: 1.5 to 2 hours. Cannot charge Li-Ion battery pack, BP-211N.

BC-119N+AD-101+BC-145A/E/V Rapidly charges BP-211N as well as other battery packs.

BC-121N MULTI-CHARGER + AD-101 CHARGER ADAPTER + BC-157 AC ADAPTER
For rapid charging of up to 6 battery packs (including BP-211N) in 1.5 to 2 hours. Six AD-101s are required.

OPC-656 DC POWER CABLE; For use with the BC-121N. (12-20 V DC required)

SPEAKER-MICROPHONES

▼HM-153L

▲HM-75A

HM-158L

- HM-75A** : Allows you to remotely select operating channel, etc., according to program.
- HM-158L** : Compact and durable body with screw-type connector. Equipped with an earphone jack and a revolving clip.
- HM-153L** : Durable earphone-microphone with revolving clip.

HEADSETS and PTT/VOX UNIT

▼HS-94

▲HS-95

▲VS-1L

▲HS-97

- HS-94** : Earhook headset with flexible boom microphone.
- HS-95** : Behind-the-head headset with flexible boom microphone.
- HS-97** : Throat microphone fits around your neck and picks up speech vibration.
- VS-1L** : PTT/VOX unit. Required when using these headsets with the transceiver.
- HS-85** : Includes VOX, PTT and "one-touch" PTT with a time-out timer.

INTERNAL UNITS

▲AUT-114

- UT-108 DTMF DECODER**
Provides DTMF decode and ANI capabilities.
- UT-109/UT-110 VOICE SCRAMBLER UNITS**
Provides operating security.
- UT-109: Non rolling type.
- UT-110: Rolling type.
- UT-114/UT-118 DIGITAL UNITS**
- UT-114: With voice scrambler.
- UT-118: Without voice scrambler.

- CS-V82 CLONING SOFTWARE + OPC-478/U CLONING CABLE**
Provides quick and easy programming of memory channel, names, etc. OPC-478U is USB cable type.
- OPC-474 CLONING CABLE**
Use for transceiver-to-transceiver data cloning.
- MB-86/MB-103 BELT CLIPS**
- MB-103: Alligator type clip.
- MB-86: Swivel belt clip.
- MB-96N/MB-96F LEATHER BELT HANGERS**
- MB-96N: Swivel belt hanger.
- MB-96F: Fixed type belt hanger.
- Use with MB-103.
- SP-13 EARPHONE**
Provides clear audio even in noisy environments.

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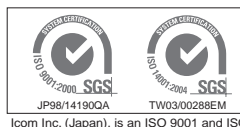
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