



VHF AND UHF TRANSCEIVERS

IC-V82 144MHz General (LM) version

IC-U82 430MHz General (LM) version

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 DTCS 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



IC-U82

IC-V82

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 acceptable; 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 15/32 × 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 : 3-conductor 2.5(d)mm (1/10") connector /2.2kΩ

Supplied accessories

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

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)
- Intermodulation : 65dB (typ.)
- Spurious and image rejection : 80dB (typ.; VHF) 70dB (typ.; UHF)
- 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")

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

OPTIONS

	BP-208N	BP-209N Ni-Cd 7.2V/1100mAh	BP-210N Ni-MH 7.2V/1650mAh	BP-211N Li-Ion 7.4V/1800mAh	BP-222N Ni-Cd 7.2V/600mAh
BATTERY PACKS AND CASE					
BATTERY LIFE (UHF (SW))	3 h 20 min	6 hours	6 h 10 min	2 h 15 min	3 h 40 min
BATTERY LIFE (VHF (7W))	3 h 40 min	7 hours	8 h 15 min	2 h 50 min	

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

REGULAR CHARGER



▼BC-147A/E
▲BC-146

RAPID CHARGERS



▼BC-145 A/E/V
▲BC-144N
▲BC-121N+AD-101 (6 pcs.)
▼BC-124

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

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

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.

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-124 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-75A ▲HM-131L

HM-75A : Allows you to remotely select operating channel, etc., according to program.
HM-131L : Compact and durable body. Equipped with an earphone jack and a revolving clip.
HM-128L : Lightweight earphone-microphone.


HEADSETS and PTT/VOX UNIT



▼HS-94 ▲HS-95 ▲HS-97 ▲VS-1L

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 : For hands-free operation. Includes VOX, PTT and "one-touch" PTT with a time-out timer.

INTERNAL UNITS



▲UT-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. Same as supplied.
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-133 EARPHONE
Provides clear audio even in noisy environments.

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