



IC-41PRO

80+ Channel UHF CB Transceiver



**5 Year
Warranty**

5W
Output
Power

Waterproof

**Easy
Channel
Selection**

**80
Channels**

Compact Size

**Long
Battery Life**

Also available in Orange & Red



MADE IN JAPAN

PRIVATE CHANNEL PROGRAMMABLE

Program Commercial Frequencies between 450-520MHz

ENHANCED AUDIO OUTPUT

Class Leading audio volume and clarity

MILITARY STANDARD RUGGED CONSTRUCTION

Completely waterproof and protected against dust ingress

LONG BATTERY LIFE

Typical 18hrs operating time

QUALITY AND RELIABILITY

The IC-41PRO is built from a tried and tested commercial radio sold across the globe.



Specifications

General

- Frequency range: 476.4250 MHz to 477.4125 MHz AUS CB
450 MHz to 520 MHz Private/Receive Only
- Number of conventional channels: 128 ch
- Type of emission: W: 16K0F3E (25.0kHz) AUS CB
N: 8K50F3E (12.5kHz) AUS CB
- Antenna impedance: 50 ohms
- Input impedance (MIC): 2.2k ohms
- Output impedance (audio): 8 ohms
- Intermediate frequency: 1st 46.35 MHz, 2nd 450 kHz
- Operating temperature range: -30°C to +60°C
- Power supply voltage: 7.5 V DC
- Current drain (approx.): Receive stand-by 94 mA
Receive max.audio 500 mA (INT SP)
Transmit Hi (5W) 1.7 A AUS CB
- Dimensions: W 52.2 x H 111.8 x D 30.3mm (with BP-280)
- Weight: 270 grams (with BP-280 and MB-133)

Transmitter

- Rated output power: 5 W
- Modulation: Variable reactance frequency modulation
- Maximum permissible deviation: ±2.5 kHz (N)
±5.0 kHz (W)
- Frequency error: ±2.5 ppm
- Spurious emissions: 63 dB min
- Adjacent channel power: 53 dB min 63 dB typ. (N)
59 dB min 73 dB typ. (W)
- Audio harmonic distortion: 0.5% typ. @ AF 1 kHz 60 % Deviation (W)
0.6% typ. @ AF 1 kHz 60 % Deviation (N)
- FM Hum and Noise (Without CCITT FILTER): 34 dB min 40 dB typ. (N)
40 dB min 46 dB typ. (W)
- Limiting characteristic of modulator: 60 % ~ 100 % of max. deviation

Receiver

- Sensitivity: 0.25µV typ. @ 12 dB SINAD
-14dB typ. @ 12 dB SINAD
- Audio power output: 1.5 W typ. @ 5% dist. with 8Ω (INT)
0.4 W typ. @ 5% dist. with 8Ω (EXT)
- Adjacent channel selectivity: 40 dB min 56 dB typ.(N)
63 dB min 69 dB typ.(W)
- Spurious response: 60 dB min
- Intermodulation: 60 dB min 65 dB typ.
- Hum and Noise: 40 dB min 47 dB typ. (N)
46 dB min 60 dB typ. (W)

US 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
Solar Radiation	505.5	I
Rain Blowing/Drip	506.5	I, III
Humidity	507.5	-
Salt Fog	509.5	-
Dust Blowing	510.5	I
Immersion	512.5	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 & Water	IP67 (Dust-tight and waterproof protection)

Options

Battery

- BP-280
- BP-279
- BP-278

Battery Pack	Type	Capacity	Operating Time
BP-278	Li-Ion 7.2V	1130mAh (min) 1190mAh (typ)	10 hours (approx.)
BP-279	Li-Ion 7.2V	1485mAh (min) 1570mAh (typ)	14 hours (approx.)
BP-280	Li-Ion 7.2V	2280mAh (min) 2400mAh (typ)	18 hours (approx.)

*Tx:Rx:standby = 5:5:90 duty cycle. Power save function ON.

Multi-Charger

- BC-214N • BC-157S

Charger Adaptor

- AD-130 – charger adaptor supplied with BC-214N

Charger Bracket

- MB-130 – for use with BC-213

Antenna

- FA-SC73US – 470-490MHz (stubby antenna)
- FA-SC72U – 470-520MHz (for antenna operation above 470MHz)

Cigarette lighter cable & power supply cable

- CP-23L – for use with BC-213
- OPC-656 – for use with BC-214N

Speaker Microphone

- HM-158LA – Compact type speaker microphone
- HM-159LA – Full size durable speaker microphone
- HM-168LWP – Waterproof speaker microphone

Earphone Microphones

- HM-153LA – Durable earphone microphone
- HM-166LA – Light-weight earphone microphone

Headsets & PTT Switch Cable

- HS-94LWP – Earphone headset
- HS-95LWP – Behind-the-head headset
- HS-97 – Throat microphone (use with VS-4LA or OPC-2004LA)
- VS-4LA – for manual PTT operation (either VS-4LA or OPC-2004LA is required when using HS-97)

- OPC-2004LA – for VOX operation

Supplied accessories

- Antenna FA-SC72U
- Belt clip MB-133
- Battery charger BC-213
- AC adaptor BC-123SV
- Battery pack BP-280

Other outstanding features

- Smart Ring and Automatic Transponder
- Pocket beep function
- Optional HM-168LWP waterproof speaker-microphone available
- Power save function
- Radio stun function
- Low battery indicator and alert tone
- Auto power off function
- Monitor function
- PTT hold function
- Key lock function
- Auto power off
- RX frequency setting**
- Roger beep
- Adjustable squelch level

**Must be enabled by dealer or via CS-41PRO software

