



# IC-41PRO

80+ Channel UHF CB Transceiver



**5 Year  
Warranty**



### 5W OUTPUT POWER

5 Watts (High) and 1 Watt (Low) Selectable Output Power.

### 80+ CHANNELS

80 Channel UHF CB\* plus up to 35 Receive only Channels.\*\*

### EASY CHANNEL ROTATION

Allows users to easily change channels.

### WATERPROOF AND DUSTPROOF CONSTRUCTION EQUIVALENT TO IP67

The IC-41PRO is completely protected against dust ingress and is also waterproof. (one meter depth for 30 minutes)

### COMPACT SIZE

Light and slim design makes it easy to carry around.

### LONG BATTERY LIFE

A Lithium-ion battery pack (BP280) included provides 18 hours\*\*\* of operating time.

### PRESSURE TESTED

All radios are pressure tested to maintain the waterproof and dust quality before leaving the factory.



MADE IN JAPAN

\*\*\*Typical operation Tx: Rx: Stand-by = 5:5:90. Power save function ON.

## ■ 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 80 mA  
Receive max.audio 300 mA (INT SP)  
Transmit Hi (5W) 1.7 A AUS CB
- Dimensions: W 52.2 x H 111.8 x D 30.3 mm (with BP-280)
- Weight: 270 grams (with BP-280) approx.

### Transmitter

- Rated output power: 5 W
- Modulation: Variable reactance frequency modulation
- Maximum permissible deviation: ±2.5 kHz (N)  
±4.0 kHz (M)  
±5.0 kHz (W)
- Frequency error: ±2.5 ppm
- Spurious emissions: 70 dB min
- Adjacent channel power: 60 dB min 69 dB typ. (N)  
70 dB min 74 dB typ. (W)
- Audio harmonic distortion: 1.0% typ. @ AF 1 kHz 40 % Deviation (W,M)  
1.5% typ. @ AF 1 kHz 40 % Deviation (N)
- FM Hum and Noise (Without CCITT FILTER): 34 dB min 40 dB typ. (N)  
40 dB min 46 dB typ. (W)  
40 dB min 48 dB typ. (N)  
43 dB min 51 dB typ. (M)  
45 dB min 53 dB typ. (W)
- Limiting characteristic of modulator: 60 % ~ 100 % of max. deviation

### Receiver

- Sensitivity: 0.25µV typ. @ 12 dB SINAD
- Audio power output: 0.8 W typ. @ 5 % dist. With 12Ω (INT)  
0.4 W typ. @ 5 % dist. with 8Ω (EXP)
- Adjacent channel selectivity: 40 dB min 56 dB typ.(N)  
70 dB min 73 dB typ.(W)  
70 dB min
- Spurious response: 70 dB min 73 dB typ.
- Intermodulation: 34 dB min 43 dB typ. (N)
- Hum and Noise (without CCITT Filter): 40 dB min 49 dB typ. (W)  
40 dB min 47 dB typ. (N)  
43 dB min 50 dB typ. (M)  
45 dB min 52 dB typ. (W)
- Squelch sensitivity: 0.25µV typ.



## ■ 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

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)	20 hours (approx.)

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

### Multi-Charger

- BC-214 • BC-157S

### Charger Adaptor

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

### Charger Bracket

- MB-130 – for use with BC-213

### Antenna

- FA-SC73US – 470-490MHz
- 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-214

### 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 acknowledges if other Icom CB transceivers received your call or are within range
- Pocket beep function audibly alerts when you receive signals from specified stations.
- 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
- Scrambler\*\*