



# IC-41PRO

## 80+ Channel UHF CB Transceiver



**5 Year  
Warranty**

**5W  
Output  
Power**

**Waterproof**

**Rugged  
MIL-STD 810**

**NO LICENCE REQUIRED  
FOR ALL CB CHANNELS  
CB**

**Easy  
Channel  
Selection**

**80  
Channels**

**IP67**

**Compact  
Size**

**Long  
Battery  
Life**

**MADE IN JAPAN**

Available Colours

### ENHANCED AUDIO OUTPUT POWER

The 1500mW volume audio from Icom custom speaker facilitates loud and clear communication.

### 5W RF OUTPUT POWER

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

### 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). All radios are pressure tested to 12 categories of MIL-STD-810-G environmental test.

### 80+ CHANNELS

80 Channel UHF CB plus up to 35 Receive only Channels

### LONG BATTERY LIFE

A Lithium-ion battery pack (BP-280) included provides 18 hours\* of operating time

### EASY CHANNEL ROTATION

Allows users to easily change channels

### COMPACT SIZE

Light and slim design makes it easy to carry around

\*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 30.3mm (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: 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)  
1.5% typ. @ AF 1 kHz 40 % Deviation (N)
- FM Hum and Noise: 34 dB min 40 dB typ. (N)  
(Without CCITT FILTER) 40 dB min 46 dB typ. (W)
- Limiting characteristic of modulator: 60 % ~ 100 % of max. deviation

### Receiver

- Sensitivity: 0.25µV typ. @ 12 dB SINAD
- Audio power output: 1.5 W typ. @ 5 % dist. with 8Ω
- Adjacent channel selectivity: 40 dB min 56 dB typ.(N)  
70 dB min 73 dB typ.(W)
- Spurious response: 70 dB min
- Intermodulation: 70 dB min 73 dB typ.
- Hum and Noise: 34 dB min 43 dB typ. (N)  
40 dB min 49 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

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

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-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(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-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-242
- 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\*\*

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

Icom Inc. 1-1-32 Kami-minami, Hirano-ku, Osaka 547-0003, Japan Phone: +81 (06) 6793 5302 Fax: +81 (06) 6793 0013

[www.icom.co.jp/world](http://www.icom.co.jp/world) **Count on us!**

Icom, Icom Inc. and the Icom logo are registered trademarks of Icom Incorporated (Japan) in the United States, the United Kingdom, Germany, France, Spain, Russia, Australia, Japan and/or other countries. All other trademarks are the properties of their respective holders.

Your local dealer:

# Icom (Australia) Pty. Ltd.

Unit 1/103 Garden Road, Clayton VIC 3168 Australia  
Phone: (03) 9549 7500  
Fax: (03) 9549 7505  
Email: [sales@icom.net.au](mailto:sales@icom.net.au)

