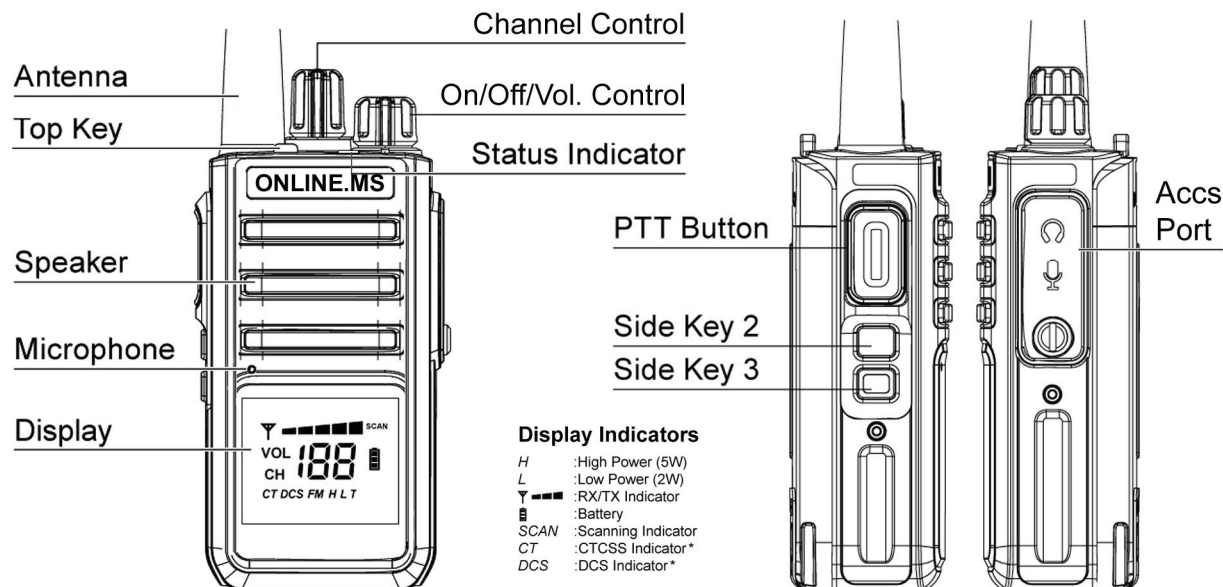


FEATURES:

- 80 Channels UHF CB
16 Duplex Channels
- 5W / 1W Power Levels
- 199 LMRS Channels*
- Smart Battery Management
up to 35hrs typical use &
well over 50hrs standby
- 2000mAh Li-ion Battery
- Bright and Clear Display
- Rugged and Uncluttered
Profile
- Voice Announce
- Channel Lock
- Voltage Indicator
- Splash Proof
- Easy to use
- 37 DCS Privacy Channels



Basic Transceiver Operation

Turning Transceiver On/Off

1. Turn the Power Control Dial clockwise to turn ON the radio.
2. Counter-clockwise to turn OFF.

Setting Audio Volume

Turn the Volume Control Dial clockwise to increase the audio output level and counter-clockwise to decrease the audio output level. It is recommend that you **do not** leave the volume at maximum.

Selecting a Channel

Rotate the Channel Control Dial to select a channel. Channel number will show on the Display Screen for 10 seconds, before the screen goes blank to conserve battery power. Channel number will also be announced.

Adjusting Power Output Level

Press and hold Side Key 2 until radio announces 'high power' or 'low power'. An H or L will also indicate in the screen.

Channel / Key Lock

Short press Side Key 2 to lock or unlock Channel Control and other Key functions. Radio will announce key lock state.

Channel Scan

Short press Side Key 3 to turn ON or OFF the scanning function. Radio scans all CB channels as default, and then prioritises last active scan channel in scan sequence.

Transmitting and Receiving

1. Never transmit without an antenna as it may damage the transceiver. Never hold the antenna when transmitting.
2. To prevent interference to other stations, listen on the channel first before transmitting. Pressing the Monitor Button can be helpful here, and/or observe the radios RX indicators.
3. When ready to transmit, press and hold the **PTT** switch and speak in a normal voice level.

The TX/RX indicator on the top panel lights red and TX indicator is shown in LCD display.

Monitor

Press and hold the Top Key Button to open the squelch gate to receive any receivable signal.

Channels

Channels 1-80 UHF are direct CB to CB transmit and receive.

In Australia & New Zealand, except in an emergency, a UHF CB radio must not be operated on emergency channels 5 & 35.

Channel 11 is the customary calling channel, and Channel 40 the road vehicle channel.

16 Repeater Channels

Repeater or Duplex channels allow long distance communications if required, in areas that have repeater facilities. These channels are 1 to 8, and 41 - 48

(when available). Unless specifically needed, use of repeater channels is to be avoided.

Channels 31-38, & 71-78 should also be avoided, as these are repeater input channels and can cause interference with repeaters in the areas where used.

These Repeater Channels have been allocated in the ONLINE.MS radio to screen display locations CH 81-88 and CH 91-98.

For instance, Channel 81 is Channel 1 Repeater, CH 82 is CH 2 Repeater. See Repeater Channel Table for reference.

Other Features

Display light

Short press Top Key Button to turn On or Off the screen.

Voltage Indicator

Press and hold Side Key 3 until radio indicates battery state.

TOT (Time Out Timer)

TOT is preset at 60 seconds.

Please Note

80CH Narrowband CB

All new 80CH CB radios use what is called *narrowband*, due to its smaller TX band-width size. Older 40CH CB radios use *wideband*. Wideband radios may sound louder and possibly a little muffled on narrowband radios. Narrowband radios will sound quieter on wideband radios. This is to be expected, so adjust radios volume for best sound. Due to the wider band-width of these older radios, narrowband radios may experience some interference from them when in close proximity on channels above 41.

Wideband CB radios are being phased out.

Channels 22 and 23 are voice transmit locked out as these are data channels. Channels 61, 62

& 63 are also currently transmit locked out.

A list of currently authorised channels can be obtained from the ACMA website in Australia, and RSM website in New Zealand.

The citizen band (CB) radio service is covered by the ACMA Radiocommunications (Citizen Band Radio Stations) Class Licence in Australia and in New Zealand by the RSM General User Radio Licence. Operation is subject to the conditions contained in these licences.

Repeater Channel Table

Channels 1 - 80 Simplex (direct CB to CB contact).

Duplex/Repeater Channels:

CH 81 - CH 1 Rep.	CH 91 - CH 41 Rep.
CH 82 - CH 2 Rep.	CH 92 - CH 42 Rep.
CH 83 - CH 3 Rep.	CH 93 - CH 43 Rep.
CH 84 - CH 4 Rep.	CH 94 - CH 44 Rep.
CH 85 - CH 5 Rep.	CH 95 - CH 45 Rep.
CH 86 - CH 6 Rep.	CH 96 - CH 46 Rep.
CH 87 - CH 7 Rep.	CH 97 - CH 47 Rep.
CH 88 - CH 8 Rep.	CH 98 - CH 48 Rep.

Precautions and Warranty

Do not modify this radio. Never operate the transceiver with an earphone at high volume. Turn off radio at a fuel station or taking on fuel. Never expose transceiver to liquids. Do not operate near unshielded electrical blasting caps or in an explosive atmosphere. Avoid continual prolonged transmit times. Avoid the use of chemical agents when cleaning. Avoid prolonged exposure of direct sunlight. Turn radio power off immediately and remove battery if abnormal odour or smoke is detected - contact distributor. Turn off Charging Dock when not in use. Keep the antenna more than 25 mm from any part of the head or body when transmitting.

The ONLINE.MS Transceiver is covered by 12 months warranty from defects in materials or workmanship from date of purchase. Batteries and accessories are not covered by this warranty. Removal of the warranty sticker and/or loss of original purchase receipt will void warranty. Warranty does not cover natural disasters, misuse, modification, immersion in water or liquid, damage by dropping, lack of due care, or failure to follow the above listed precautions. We do not accept any additional liability under the terms of consequential loss nor any other additional liability. Should you wish to make a warranty claim, we will, at our option, either refund your money and take the product back or replace/repair the product, should claim be approved.

*Land Mobile Service

The ONLINE.MS is an approved LMRS transceiver & covers 403-480MHz narrowband. These LMRS frequencies will not be programmed into the radio without proper authority, and can only be programmed by the Distributor or approved agent.

CTCSS/DCS and other features like selective scanning are also available by programming only.

Li-ion Battery Care

Li-ion batteries require slightly different care to the older type Ni-Cds or Ni-MH. Here are a couple of pointers for Li-ion Battery Care:

- The Charger will charge with the radio still on, but it is recommended that it be turned off when charging for a quicker full charge.
- Turn the Desktop Charger OFF when not in use. This helps to fully reset the Charger. If not convenient, it is recommended to place the charger on a timer.
- Do not leave a discharged battery in a radio that is left ON for excessive periods. This is called over discharging. This can ruin any rechargeable battery, not just li-ions.
- For long term storage, it is recommended that the battery be removed from the radio, and fully charged beforehand.
- Charging the battery in extremes of temperature may result in the battery not reaching full charge.
- Do not short-circuit the battery terminals, or discard in fire.
- Do not attempt to open the unit.
- The battery can be charged by itself, without a radio attached, in the desktop charger.
- Li-ion batteries do not need to be cycled (fully discharged before recharging) like Ni-Cads which tend to form a memory. Li-ion batteries can be charged anytime.
- It is recommended that the battery be recharged when battery state falls below 35% (as indicated by the radio's Voltage Indicator function). The radio will still continue to transmit at this level, but at reduced power. When the battery level decreases further, the radio has a low battery alarm in the form of a voice announce indicating time to recharge the battery.
- Do not charge the battery pack or transceiver while it is wet. Dry thoroughly before-hand.
- Do not transmit whilst charging in the charging dock.

Ingress Protection

The ONLINE.MS is rated splashproof - meeting IP54 standard for dust and water ingress. Sometimes referred to weatherproof.

This rating only applies if the radio is in good condition, fully assembled (including antenna & battery) and well maintained, with the accessories port cover fitted correctly.

Ingress rating does not really cover extended use in saltwater environments. Very gently rinse with freshwater if exposed to saltwater.

Always dry a radio if wet at the earliest possible convenience.

Do not use a radio in the vicinity of metal grinding. The grindings and metal dust are attracted to the speaker magnet and can damage the speaker.

Key Functions

* 1. Short Press 2. Long Press

Top Key

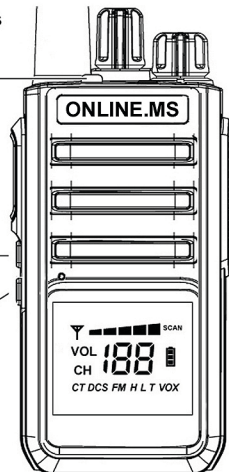
1. Display on / off
2. Squelch off temp.

Side Key 2

1. Key lock / unlock
2. Power - H / L

Side Key 3

1. Scan on / off
2. Battery State



ONLINE.MS DCS Encoded Channels

CH	*CB channel with ^DCS
109	9
112	12
113	13
114	14
115	15
116	16
117	17
119	19
120	20
121	21
124	24
125	25
126	26
127	27
128	28
139	39
149	49
150	50
151	51
152	52
153	53
154	54
155	55
156	56
157	57
158	58
159	59
160	60
164	64
165	65
166	66
167	67
168	68
169	69
170	70
179	79
180	80

* Designated general use CB channels

^ DCS - Digital Coded Squelch

