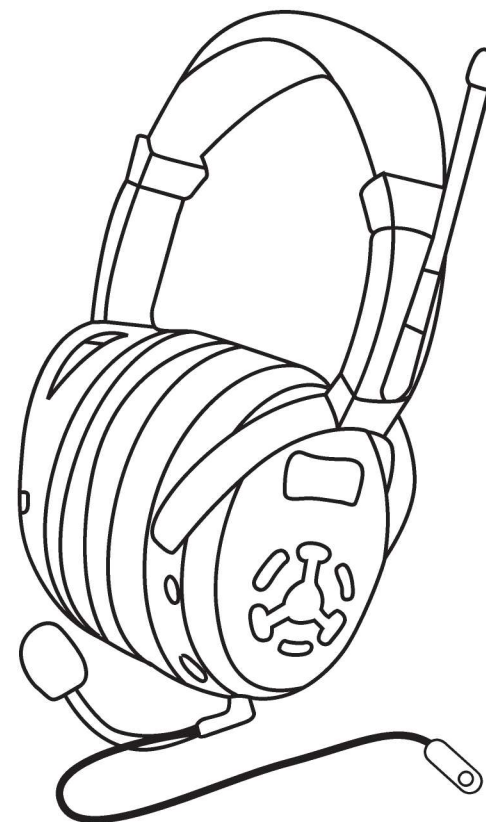


**Operation guide**  
**UHF CB Radio Headset**  
***DIGITECH* DC-1052**



“Use of the citizen band radio service is licensed in Australia by ACMA Radiocommunications (Citizens Band Radio Stations) Class Licence and in New Zealand by MED General User Radio Licence for Citizens Band Radio and operation is subject to conditions contained in those licences.”

‡ Channel 61, 62 and 63 are reserved for future use. They cannot be activated until approved by the ACMA CBRS Class Licence in Australia.

**CTCSS table**

Sub CH	Frequency (Hz)	Sub CH	Frequency (Hz)	Sub CH	Frequency (Hz)	Sub CH	Frequency (Hz)
1	67.0	11	97.4	21	136.5	31	192.8
2	71.9	12	100.0	22	141.3	32	203.5
3	74.4	13	103.5	23	146.2	33	210.7
4	77.0	14	107.2	24	151.4	34	218.1
5	79.7	15	110.9	25	156.7	35	225.7
6	82.5	16	114.8	26	162.2	36	233.6
7	85.4	17	118.8	27	167.9	37	241.8
8	88.5	18	123.0	28	173.8	38	250.3
9	91.5	19	127.3	29	179.9	00	NIL
10	94.8	20	131.8	30	186.2		

**Note:**

This product is made to the new standard 2011 version.

There are possible operational issues during the changeover from the old version 25kHz channel spacing to the new version of 12.5kHz. They include the consequences of narrowband (with 2.5kHz deviation) transmissions being received on the old wideband equipment, and wideband (with 5.0kHz deviation) transmissions being received on newer narrowband equipment.

There is a possibility of interference due to the older equipment being operated on channels adjacent to new narrowband channels.

The list of currently authorised channels can be obtained from the ACMA website in Australia and the MED website in New Zealand.

## Channel and Sub-code

Channel and frequency table

CH	Frequency (MHz)	CH	Frequency (MHz)	CH	Frequency (MHz)	CH	Frequency (MHz)
1*	476.4250	41*	476.4375	21	476.9250	61‡	-
2*	476.4500	42*	476.4625	22†	476.9500	62‡	-
3*	476.4750	43*	476.4875	23†	476.9750	63‡	-
4*	476.5000	44*	476.5125	24	477.0000	64	477.0125
5*#	# 476.5250	45*	476.5375	25	477.0250	65	477.0375
6*	476.5500	46*	476.5625	26	477.0500	66	477.0625
7*	476.5750	47*	476.5875	27	477.0750	67	477.0875
8*	476.6000	48*	476.6125	28	477.1000	68	477.1125
9	476.6250	49	476.6375	29	477.1250	69	477.1375
10	476.6500	50	476.6625	30	477.1500	70	477.1625
11	476.6750	51	476.6875	31*	477.1750	71*	477.1875
12	476.7000	52	476.7125	32*	477.2000	72*	477.2125
13	476.7250	53	476.7375	33*	477.2250	73*	477.2375
14	476.7500	54	476.7625	34*	477.2500	74*	477.2625
15	476.7750	55	476.7875	35*#	477.2750	75*	477.2875
16	476.8000	56	476.8125	36*	477.3000	76*	477.3125
17	476.8250	57	476.8375	37*	477.3250	77*	477.3375
18	476.8500	58	476.8625	38*	477.3500	78*	477.3625
19	476.8750	59	476.8875	39	477.3750	79	477.3875
20	476.9000	60	476.9125	40	477.4000	80	477.4125

# Channel 5 and 35 are for emergency calling. Please do not use these channels in non-emergency cases.

† Speech telephony is inhibited on Channel 22 and 23.

\* Channel 1-8 and 31-38, 41-48 and 71-78 are used as repeater channels with 750kHz offset. Channels 1-8 and 41-48 are used for mobile reception and channels 31-38 and 71-78 for mobile transmission.

Only use this repeater function when a long distance communication via the local repeater facility is specifically required. Unless it is necessary, to avoid operation on locally used repeater input channels (channels 31 to 38) or locally used repeater receiving channels (channels 1 to 8) is recommended.

## Introduction

Welcome

Congratulations on choosing to purchase a Digitech UHF CB Radio Headset. The product has been designed and manufactured to the Australian and New Zealand Safety Standards. We hope you will enjoy using the product.

## Features

1. The high quality software of CTCSS (Continuous Tone-Coded Squelch System) provides 38 sub-channels to eliminate any interference.
2. Multi Levels of Volume Control.
3. Auto Search Channel for Matching.
4. Multi-channel Selection with Channel Indicator.
5. Repeater function
6. Battery Level Indicator.
7. SQL (Squelch Level) Selection.
8. Carrier Sense Protection.
9. Call Transmit Function.
10. Restore Factory Setting.
11. Power Disconnect Examination.

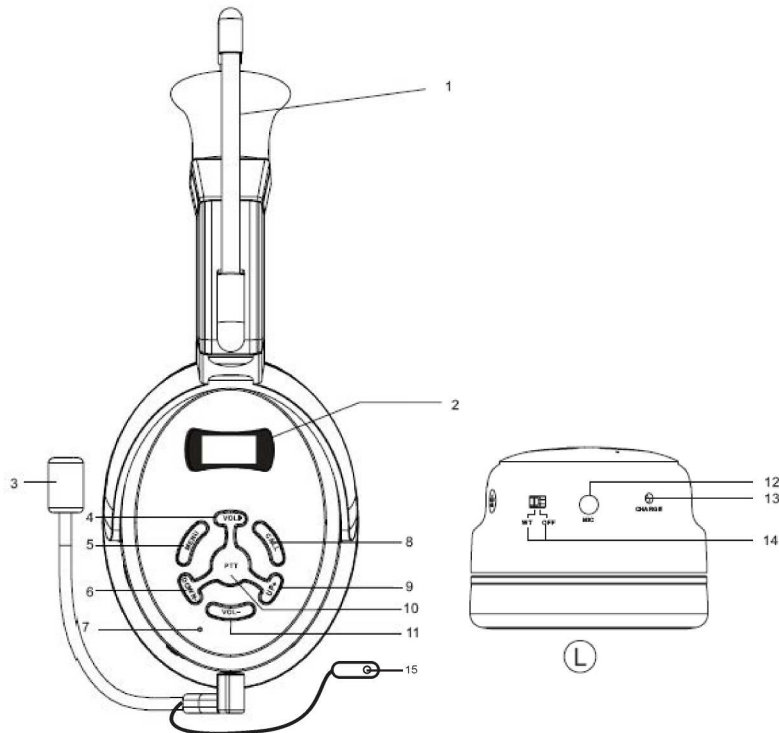
## Items included

1. 1x Headset UHF CB Radio
2. 1x Microphone with PTT cable assembly
3. 1x Li-ion Rechargeable battery
4. 1x A/C adaptor
5. 1x Operation Manual

**Before operating this unit, please read this Manual carefully.**

## LOCATIONS OF CONTROLS

- |               |                                      |
|---------------|--------------------------------------|
| 1. Antennas   | - Antenna at signal Side             |
| 2. Display    | - LCD Display for Walkie-Talkie      |
| 3. Microphone | - External Boom Microphone           |
| 4. VOL+       | - Volume Up                          |
| 5. MENU       | - Menu Selector                      |
| 6. DOWN -     | - Channel Down                       |
| 7. Light      | - Red LED as Recharging Indicator    |
| 8. CALL       | - Call Button                        |
| 9. UP +       | - Channel Up                         |
| 10. PTT       | - Push to Talk Button                |
| 11. VOL -     | - Volume Down                        |
| 12. MIC       | - Microphone Jack                    |
| 13. Charge    | - Rechargeable Battery Charging Jack |
| 14. WT/OFF    | - Power On or Off Switch             |
| 15. EXT PTT   | - External Push to Talk Button       |



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## 4.11 Combination Function

To restore factory settings, press or hold the Menu (5) and PTT (10) buttons and press Power Switch (14) simultaneously.

Channel 01, CTCSS: On, Keypad tone: On, SQL: 2, other function: On


## 4.12 Memory

Memory will not be lost even power is off.

## 4.13 Carrier Sense Protection (only applicable in more than 2 units)

Receive/Transmit switch interval is less than 2 seconds. Another communication will be in process when communication (receive or transmit) time more than 3 minutes. An alert beep sound will remind you when pressing PTT (10) more than 15 seconds. Transmitting will not be stopped until PTT (10) button is released and transmitting can be retried in 15 seconds afterwards.

## 4.14 Key Lock Function

Press and hold "MENU" button (5) and VOL-(11) simultaneously for about one second until the KEY mark  is displayed. It indicates all button not adjustable. Only PTT button (10) is in normal operation.

Press and hold "MENU" button(5) and VOL-(11) once again will release the key function of all buttons..

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#### 4.7 Repeater Function

Only use this repeater function when a long distance communication via the local repeater facility is specifically required. Unless it is necessary, to avoid operation on locally used repeater input channels (channels 31-38 and 71-78) or locally used repeater receiving channels (channels 1-8 and 41-48) is recommended.

To enable the function, press WT – (9) or UP key.

To disable, press WT + (6) or DOWN key

#### 4.8 Mutual Communication PTT – Press to Talk (10)


- Make sure the involved parties apply the same frequency and CTCSS. To transmit, press PTT button (10).
- For maximum clarity, hold the microphone (3) 2-12 cm away from mouth and speak directly to the microphone (3).
- Release PTT button (10) after speaking.
- When receiving, no transmit is allowed. An alert sound beeps until PTT (10) is released.
- Please note that PTT (10) is a one-way function, no transmit can be made when receiving function is activated or vice versa.
- The unit is continuously in the receiving mode for 10 seconds after Power On or no any key pressing.

#### 4.9 Time-out Timer (TOT)

The unit has a timer to disable transmitting after 3 minutes maximum transmission period. Reactivation of the transmitter can be initiated after the release and re-keying of the PTT button.

#### 4.10 Low Battery Reminder

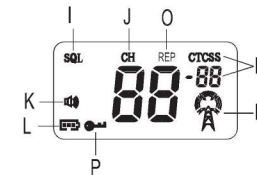
When the battery power is ample, the reminder symbol is displayed 

When the battery power is low, the reminder symbol is displayed 

When the Low Battery Reminder is displayed, no function can be sustained.

#### LCD DISPLAY FOR WALKIE TALKIE

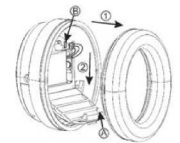
- I. SQL (Squelch Level) Indicator
- J. Channel Indicator
- K. Volume Indicator
- L. Battery Low Indicator
- M. Transmit and Receive Indicator
- N. CTCSS Indicator
- O. REPeater Indicator
- P. Key Lock Indicator



#### OPERATION OF THE UNIT

##### Battery Installation/Rechargeable Batteries Application

1. Remove the earmuff sponge and take apart the rear cabinet from the front earmuff cabinet of the left earmuff (ie the cabinet of which WT Function is built-in).
2. Press to open the battery door.
3. Insert the batteries with their polarities aligned correctly into the battery compartment and close the battery door. Then put the rear cabinet back to its original position.
4. To charge the rechargeable batteries, simply insert the special Li-ion rechargeable batteries (normal AAA rechargeable battery is not applicable) into the compartment. Pull out the cable of rechargeable battery from the hole (A), then close the battery door. Insert the connector of the cable into the jack (B). Return the rear cabinet to its original position. Then, plug in the adaptor to the rechargeable jack (14) to re-charge the battery.
5. When recharging process is in progress, the LED red light (7) is on.
6. Once it is fully recharged, the LED light (7) will be turned off automatically.
7. If ordinary batteries are to be used, 3 pcs AAA alkaline batteries are recommended for prolonged use.
8. When not using your unit for long period of time (such as over 10 days), please remove the batteries from the unit to prevent battery leakage which will damage the unit.
9. Dispose of batteries according to your local regulations. Different kinds of batteries used, improper installation, not replacing all the batteries, throw into the fire and recharging wrong type of batteries may cause overheating. Battery leakage can cause property damage and/or body injury such as burns.



## WALKIE TALKIE OPERATION

This unit is to be used for no more than 2 hours at a time.

Holding the antenna will affect the effective distance of reception range.

1. Press Main Power Button (14).
2. Put the Selector (26) to WT position, display (2) is activated in 2 seconds.
3. When the unit is ready to use, press VOL+ (4) or VOL- (11) to adjust volume.
4. Press "MENU" button (5) in the following sequence to select your desired function:

### 4.1 Channel selecting

In Australia,

- Except in an emergency, the unit must not be operated on channels 5 and 35.
- No voice transmissions are permitted on channels 22 and 23
- Channel 11 is the customary calling channel for establishing communication
- Channel 40 is the customary road vehicle channel
- Channel 61, 62 and 63 are reserved for future use. They cannot be activated until approved by ACMA CBRS Class Licence in Australia.

The factory default start up channel is channel 1 and sub-channel 00.

Press "MENU" button (5) once, select channel (XX).

#### - Set Channel

Use WT + (9)/UP or WT – (6)/DOWN to set your desired channel;

**Before selecting a channel for transmitting, always listen on it and ensure it is not already being used.** Always avoid selecting a busy channel when the unit keeps on

receiving signal from unknown party. The icon  will be displayed.

#### - Scan Channel

When Channel Indicator is blinking, press WT + (9) or WT – (6) and hold for 2 seconds to activate the automatic scanning function. Scanning will stop while approaching transmit/receive channel. After completion of transmit/receive, press WT + (9) or WT – (6) to resume the scanning procedure, or press "MENU" button (5) or PTT (10) to stop or return to the previous channel.

### 4.2 Select sub-code

- **CTCSS sub-code is inhibited on designated emergency channels 5 and 35.**

Press "MENU" button (5) twice after power on to enable/disable the operation of CTCSS selective calling facilities.

Press WT + (9) or WT – (6) to select CTCSS from 1-38 sub-code, then press PTT to confirm.

To disable the operation, press UP or DOWN button until it shows 'oF', then press PTT to confirm.

### 4.3 SQL selection

Press "MENU" button (5) 3 times to set up SQL.

LCD display SQL with 5 levels for selection.

Press WT+ (9) or WT – (6) to set the level.

Level 5 is the highest and level 1 is the lowest. 00 is "off" SQL.

### 4.4 Battery Type Selection

With correct type of battery selected, it gives correct indication of the capacity and lifetime of battery you use.

Press "MENU" button (5) 4 times for battery type selection.

When battery symbol blinks, press WT + (9) or WT – (6) to select battery type. (n: Rechargeable Battery; A: Ordinary Alkaline Battery 3AAA).

### 4.5 Unit Standby

Press "MENU" button (5) 5 times or PTT button (10) to return standby mode.

### 4.6 Call Function

**Call tone can only be transmitted once (not more than 3 sec) in any 60 sec period.**

Press CALL Button (8) to transmit call tone to receiver/s.