FdP PRO

User Manual

To Customers

Thank you for purchasing the FDP Pro 80CH 5W UHF Handheld Transceiver CB.
We believe that this compact and stylish IP67 waterproof transceiver will provide dependable communications.

The FDP Pro is one of the most feature packed UHF Handheld Transceivers available for CBRS (Citizen Band Radio Service) and LMRS (Land Mobile Radios Service), being approved to both. The numbered keypad allows quick and easy access to user functions and channel numbers.

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Observe these following precautions to prevent damage to the transceiver, personal injury, or even fire.

■Do not modify or attempt to adjust this transceiver for any reason. Refer service to qualified technicians only.

■Do not expose the transceiver to long periods of direct sunlight, or place it close to heating appliances.

■Do not operate the transceiver at a petrol station or taking on fuel.

■Do not expose the transceiver to extreme environments.

■Use only the correct 12VDC power supply to the charging cradle to prevent damage.

■Do not operate a transceiver without an antenna and do not transmit while holding the antenna.

■Do not leave a transceiver on the dash of your car.

■Avoid continual and prolonged transmit times.

■Whilst the radio is certified IP67 waterproof, it does not mean the radio can be neglected when wet after use. Gently dry the radio with a soft cloth and remove the battery, and very gently dry the battery terminals and contacts if wet. If wet with salt water, gently flush with fresh water first, before removing the battery.

■If an abnormal odour, or smoke is detected coming from the transceiver, switch OFF the power immediately and remove the battery pack from the radio. Contact your local authorised FDP dealer.

■Keep the antenna more than 25mm away from any part of your body or head when transmitting.

We recommend that you identify the items listed in the following table. If any items are missing or have been damaged during shipment, please inform the seller.

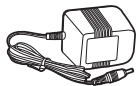**SUPPLIED ACCESSORIES**

ANTENNA   Li-ion BATTERY   CHARGER   CAR CHARGER CORD

ADAPTOR   BELT CLIP   USER'S MANUAL

CHARGING THE BATTERY PACK

The battery pack is not charged at the factory. Please charge before use.

The battery takes approximately 4 hours to fully charge a flat battery. The LED of the desktop charger will indicate RED for charging and GREEN for full charge. To allow the charger to give a complete charge to the battery, it is recommended that the radio be turned off when charging. Turn the desktop charger off when not in use.

- Do not use a different battery charger other than the one specified.
- Use only the original battery pack that suits the charger.
- Do not store a battery in a discharged state, as it can ruin the charging capacity of the battery.
- Do not leave a discharged battery in a radio that is left on for excessive periods (this will reduce the charging capacity of ANY rechargeable battery).
- 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.
- Don't attempt to open the unit.
- The battery can be charged by itself, without a radio attached, in the desktop charger.
- Make sure the battery is seated correctly in the charger, and the charger LED is on.
- Do not charge the battery pack or transceiver while it is wet. Dry thoroughly beforehand.
- For long term storage, it is recommended that the battery be removed from the radio, and fully charged beforehand.

- **If** LED light is blinking on the desktop charger, this indicates a problem, either battery is damaged or environment temperature is extreme.

- Don't carry the radio by the antenna or microphone directly.

- Use a soft, clean, dry cloth to clean the radio.

- Please cover the speaker/microphone jacks with the supplied cover when the radio is not in used.

- Should the keypad, dials and housing become dirty after a period of use, you can use a very mild

 detergent and soft cloth to clean it. Do not use harsh chemicals.

INSTALL /REMOVE BATTERY

With the default battery save feature activated, the radio battery can give up to 30hrs standby time, depending on use. More about the battery save can be found further in the manual.
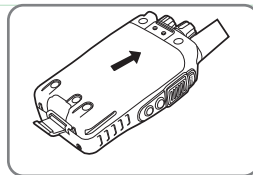
⚠ **CAUTION**

◆ Don't short circuit the battery charger contacts or discard the battery into fire.

◆ Don't disassemble the case of the battery.

Match the top of the battery pack with the corresponding grooves on the radio.
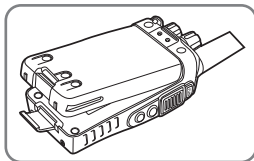
Push the battery onto the bottom of the radio, buckle the safety lock.

To remove the battery pack, lift the safety lock and pull the battery pack away from the radio.
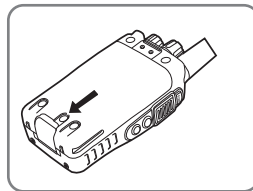
INSTALL ANTENNA

Hold the radio, screw the antenna into the connector on the top of the radio. Hold the antenna and turn it clock-wise until secure. Do not over tighten.

Note: Don't use the antenna as handle, keychain or speaker/ microphone hook, it will damage the antenna and affect the function of the radio.

Antenna
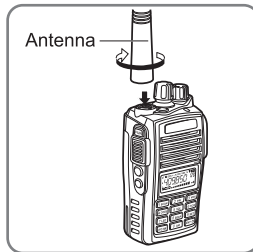
INSTALL BELT CLIP

When necessary, you can install the belt clip to the back of the radio.

Note:

◆ You should remove the belt clip first before removing the battery pack.
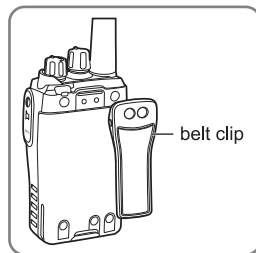
belt clip

⚠ CAUTION

◆ Please don't use glue to fix the screws of belt clip, otherwise it may ruin the housing!

INSTALL SPEAKER/MICROPHONE

Insert the speaker/microphone plugs into the speaker/microphonejack. Use the plugs single retaining screw to secure the fitting, should it have one.
Note:
The radio is not entirely waterproof when using the speaker/microphone.

Speaker/Microphone

INSTALL THE COVER OVER THE SPEAKER/MICROPHONE JACKS

When not using a speaker/microphone, please use the screw to install the cover over the speaker/microphone jack.
Note: If you need your transceiver to be waterproof you have to install the cover.

Speaker/Microphone Jack

ANTENNA

GROUP ALERT ALARM

LED INDICATOR
Lights red while transmitting.
Lights green while receiving.

SPEAKER

CHANNEL SWITCH

Rotate to select a channel from 1 to 128

POWER SWITCH/VOLUME CONTROL
Turn clockwise to switch on the transceiver.
Rotate to adjust the volume.
To switch off the transceiver, turn countercl-
ockwise fully.

MICROPHONE

FUN(function key)

PTT (push to talk) BUTTON
Press this key, then speak into
the microphone to call. Release
it to receive.

SIDE 3 KEY/SIDE 4 KEY
Monitor Buttons, and possible
other functions depending on
programming.

SPEAKER/MICROP-
HONE JACK

BATTERY PACK

1. Channels 1-80 UHF 5W CB
2. 16 Duplexed Channels & alpha tagging for repeaters
3. Hi/Lo Power Select levels (5W/1W)
4. Adjustable Squelch levels: 0-9
5. High Capacity 1600mAh Li-ion Battery
6. Scrambler (up to 8 settings)
7. Keypad Lock/Unlock
8. VOX
9. Channel Scan (3 modes)
10. Frequency Receive Mode
11. Built in FM Radio Receiver
12. CTCSS/DCS
13. Voice Prompt for the vision impaired
14. Group Alert Alarm
15. Certified IP67 Waterproof and Dust-proof.

Dealer Programmable features
16. LMRS approved -128 Channels between 430-500Mhz
17. Alpha Tagging of Channels

18. Priority Channel Scan set

19. Battery Save Feature - Multiple levels from 30hrs standby and up

20. DTMF/MSK ANI PTT ID

21. TOT adjustable

22. Function Button Disable - locking the radio down to Software Defined only, for simple use

▣	🔋	Battery power indicator
▣	**+**	TX offset direction in relation to the Rx frequency
▣	**−**	TX offset direction in relation to the Rx frequency
▣	🔒	Keypad locked
▣	**DT**	DCS tone
▣	**CT**	CTCSS tone
▣	**PRI**	Priority scan
▣	**H/L**	High/Lower power
▣	**S**	Scrambler
▣	**VOX**	VOX
▣	**F**	Menu function
▣	▂▃▄▅▆▇	Received signal strength and TX power
▣	*888888* 128	Frequency or Channel display

Turn on and off the power/ Adjusting volume

If you want to turn on the power, rotate the **PWR/VOL** knob clockwise until a beep sound is heard. LCD Screen will display information. You can adjust your desired volume by turning the knob.

To turn off the power, rotate the **PWR/VOL** knob counter-clockwise rotation. All the icons on the display will disappear and the radio will be off.

After turning on the radio, rotate the **PWR/VOL** knob clockwise to increase the volume and counter-clockwise to decrease.

Monitor

Both side key 3 and 4 (under the PTT button) are set as Monitor Buttons as default on the FDP Pro for CB use. Pressing the Monitor button opens the radio's squelch, to allow any receivable signals to be heard if present.

Transmitting/Receiving

To call a station, press and hold the PTT switch, then speak across the microphone using your normal speaking voice. Do not hold the radio too far from the corner of your mouth either.

The top indicator lights red while transmitting.

Release the PTT switch to receive.

Indicator lights green when receiving a signal.

Always listen in on a channel (or observe a channel busy indicator) to ensure it is not already being used, before you transmit. This is were the Monitor Button can be useful.
    The FDP Pro has two modes - Channel Mode and Frequency Receive Mode.

Channel Mode is channel based and has transmit/receive channels, either as CB or LMRS channels, depending on how programmed by the distributor or authorised agent (CBRS is default). These channels may also be Alpha Tagged (channel name shown in LCD Screen).

Frequency Mode is a frequency based mode, operating as receive only. It allows you to listen to analogue frequencies of interest between 430-500Mhz - a bit like a scanner. These frequencies can be directly entered via the keypad numbers, turning the channel selector, or you scan through them. Information on scanning channels or frequencies is listed elsewhere in the manual.

To access either mode, simply press the VFO/MR button on the front keypad.

FM RADIO function

This radio has a FM radio function.

1) Press [FUN] key the display will show "F" icon, press the side key 3 (predefined as FM radio) again to enable and disable the FM radio.

Under FM radio mode ,you can use the keypad to input the frequency of the station you need. Turn the channel switch clockwise, the frequency or channel will rise; turn the channel switch counterclockwise, the frequency or channel will fall, the step is 50K/100K.

2) FM radio mode switch: Press 🔘 key then press the keypad to enter the FM radio station you stored.

3) FM radio scan: Press SIDE KEY 3 the FM radio frequency will rise, press SIDE KEY 4 the FM radio frequency will fall. It will stop scan and show the current frequency you scan when the radio receive a signal.

Group Alert Alarm

The Group Alert Alarm, which is sometimes called and used as a 'man down alarm' can be transmit activated on a channel by pressing the orange button on the top of radio.

This alarm will only sound for less than 3 seconds in any 60 second period, regardless of how many

times the button is pushed in that minute. This is to comply with the 'tone timing' restrictions imposed by the CBRS operational requirements. If the radio has been programmed with PTT ID on this channel, when the Alarm is activated, it will also transmit it's caller ID with the alarm.

Note: Tone Timing Restrictions

The CBRS (Citizen Band Radio Service) has timing restrictions on tones as part of its operational requirements, primarily to reduce 'nuisance' behaviour These tones include Alert Alarms, Caller ID Tones, and Roger Beeps. As part of Standards, the manufacturer is required to minimise the length of this tones, however the onus is placed on the operator to not use tones excessively, or they could be in breach of these restrictions. This does not apply to LMRS.

Function key [FUN]

The Function Key can be found above the PTT switch.

The Function Key allows you to access the transceiver's adjustable function settings, either quickly by using the radios keypad (hot-keys), or through a menu (menu can be accessed by 9SET key), or radio's side keys.

When the Function Key is pressed, a "F" icon will appear in the LCD Screen. This will only remain

active for about 8 seconds unless further prompted.

FUN+ `1 SCAN` =enter the channel scan

FUN+ `2 PRI` =enter the priority channel scan

FUN+ `3 VOX` =enter the VOX sensitivity setting

FUN+ `4 CODE` =enter the RX&TX CTCSS/DCS setting

FUN+ `5 SQL` =enter the SQL setting

FUN+ `6 SCR` =enter the scrambler on/off setting

FUN+ `7 LED` =enter backlight on/off setting

FUN+ `8 BEEP` =enter the beep on/off setting

FUN+ `9 SET` =enter the menu function

FUN+ `VFO/MR` = enter the channel store setting

FUN+ `ENT` = enter the keypad lock

Menu setting

1. Press FUN+9set key to enter the menu mode.
2. Turn the channel switch to select the menu item you need.
3. Press ENT key to enter the menu item setting, some function can be set by the number keys and some functions should be use the channel switch to find the menu item you need, press ENT key to confirm your selection.
4. Press VFO/MR key to exit the menu mode after setting.

MENU FUNCTION LIST

NO.	Indication and description	Definition
1	SCAN (channel scan)	All channels scan
2	PRI (priority channel scan)	Priority channel scan
3	VOX (VOX sensitivity)	OFF-9
4	POW (TX power)	HIGH/LOW
5	SQL (Squelch level)	0-9
6	SCRM (scrambler)	OFF/1-8 scrambler groups
7	LED (backlight on/off)	OFF/AUTO/ON

NO.	Indication and description	Definition
8	BEEP (keytone)	ON/OFF
9	KEYBO (keyboard lock)	MANUAL/AUTO
10	SCANS (scan mode)	TO/CO/SE
11	VOICE (voice guide)	OFF/ENG
12	C-CDC (RX/TX CTCSS/DCS)	OFF-254.1/D023-D754
13	R-CDC (RX CTCSS/DCS)	OFF-254.1/D023-D754
14	T-CDC (TX CTCSS/DCS)	OFF-254.1/D023-D754
15	STEP (frequency step)	2.5K/5K/6.25K/10K/12.5K/25K/50K/100K
16	ROGER (call end tone)	OFF/ON

All channel scan

Hold on [F] key, and press 1SCAN key, "SCAN?" will show on the screen, Then press ENT key to enter all channel scan mode, and scan starts with the displayed channel and it will pause for 5 seconds if any signal is detected on a channel, otherwise it will continue to scan next channel. Press any keys except [PTT] key and ENT key to stop scanning and return to the previous displayed channel.

Priority channel scan

Press [F] key, then press 1SCAN key and turn the channel switch, then "PRI?" will show on the screen, Then press ENT key to enter priority scan mode, and scan starts with the priority channel and it will pause for 5 seconds if any signal is detected in a channel, then it will scan other channels in turn, press any keys except [PTT] key and ENT key, it will stop scanning and return to the previous displayed channel.

Otherwise it will scan the next channel. For instance, if channel 3 is set as priority channel, the radio will scan 3-1,3-2 in turn. The Priority channel has been set on the FDP Pro as Channel 40 as default. This can be changed by the authorised FDP dealer.

VOX SENSITIVITY(VOX)

VOX allows you to perform transmission by voices activation without pressing PTT key, and the radio

will stop transmission automatically after the talk ends.

Under channel mode, hold on [FUN] key and 3 vox key, the display will show "VOX?", and press ENTA key then press the number keys(0-9) or turn the channel switch to select the sensitivity level you need, select "OFF" means close the VOX function. Press ENTA key to confirm and press VFO/MR to exit. If you require VOX to operate with accessories like earpiece microphones - these require a VOX switch on the accessory.

TRANSMISSION POWER(POW)

Hold on [FUN] key, then press 9 SET key and turn the channel switch, until "POW?" shows on the screen Press ENTA key to choose high or low power, "POW L?" indicates low power; turn the channel switch to switch to "POW H?" which indicates high power, press ENTA key to confirm. Press VFO/MR key to exit.

SQUELCH(SQL)

Hold on [F] key and press 5 SQL key, "SQL" will show on the screen. Press ENTA key to enter squelch setting, and turn the channel switch to select the desired squelch level. Squelch level 4 (SQL 4) is pre-set at factory. The FDP Pro has a receiver sensitivity of =< 0.224uV.Press ENTA key to exit after selection.

SCRAMBLER

Under frequency/channel mode, press [FUN]+ [6 SCR] key, the screen will show "SCRM?", press [ENT🔒] then turn the channel switch to select OFF/ON, the scrambler will be off if you select "OFF", press [ENT🔒] to confirm after selection and press [VFO/MR] key to exit. The FDP Pro has 8 scrambler setting, each one being slightly different. Setting 1 is default. These other settings can be changed by the authorised FDP dealer. When in Channel Mode, activating the Scrambler, will be on a channel by channel basis, however when in Frequency Receive Mode, the scrambler will work across the whole frequency band.

Backlight ON/OFF

Under frequency/channel mode, press [FUN]+ [7 LED] key, the screen will show "LED?", press [ENT🔒] key then turn the channel switch to select "OFF/AUTO/ON".

OFF means that the backlight is off upon any keyboard operation;

ON means that the backlight led keeps on constantly even you do not operate on any button.

AUTO means that the backlight led is on upon any keyboard operation, and it will remain on for 10 seconds. If there is no subsequent operation, the backlight will be cut off automatically.

BEEP ON/OFF

Under frequency/channel mode, press [FUN]+ [8 BEEP] key, the screen will show "BEEP?", press [ENT🔒] key

and turn the channel switch to select "OFF/ON", select "ON" it means beep function is on, "OFF" me-
ans the function is off. Press ⟨ENT⟩ to Confirm after selection and press ⟨VFO/MR⟩ to exit.

KEYPAD LOCK SETTING

Under frequency/channel mode, press [FUN]+ ⟨9 SET⟩ key to enter the menu mode, turn the channel swit-
ch to select "MANUAL" "AUTO". After selection press ⟨ENT⟩ Key to confirm and press ⟨VFO/MR⟩ to exit.

SCAN MODE

Under frequency/channel mode, press FUN+ ⟨9 SET⟩ key to enter the menu mode, turn the channel switch
until the screen shows "SCAN?" press ⟨ENT⟩ to confirm, you can select the three types: TO,CO,SE.

● **Time Operation mode(TO)**

When the radio detects a signal, it will pause scanning and remain the current status for 5 seconds,
and it will go on with the scanning even if the signal still exists.

● **Carrier frequency mode(CO)**

When the radio detects a signal, it will stop scanning and stay on the same frequency till such signal
disappears. There is 2 seconds latency between the disappearance of signal and continuing to scan.

● **Search scan mode(SE)**

When the radio detects a signal, it will stay on the frequency or channel of such signal and exit scanning.

VOICE GUIDE FUNCTION

Under frequency/channel mode, press [FUN]+ [9 SET] key to enter the menu mode, turn the channel switch until the screen shows "VOICE?", Press [ENT🔒] key and turn the channel

switch to select "OFF/ENG", if you select "OFF", it means turn off the VOICE GUIDE function.

After selection press [ENT🔒] key to confirm and press [VFO/MR] to exit.

TRANSMIT/RECEIVE CTCSS/DCS

CTCSS/DCS tones can be added to channels to create semi-private channels. Only radios with the same tone, on the same channel, will respond to each other, ignoring other radios that don't match the same set CTCSS/DCS tone.

CTCSS/DCS access is inhibited on CB emergency channels 5 and 35, as required by CBRS Standard.

Under Channel mode, press [FUN] + 4CODE key, the screen will show "C-CDC?", press ENT key then turn the channel switch to select CTCSS(OFF-254.1). Press SIDE KEY 3 to switch between CTCSS and DCS. DCS range is OFF-D754. Press SIDE KEY 4, you will select the normal (N) or inverted (I) DCS codes.

RECEIVE CTCSS/DCS

Under channel mode, press [FUN]+ 9SET key to enter the menu mode, turn the channel switch until, the screen will shows "R-CDC?", press ENT key then turn the channel switch to select CTCSS(OFF-254.1), press the SIDE KEY 3 you can switch between CTCSS and DCS. DCS range is OFF-D754. Press SIDE KEY 4, you can select the normal (N) or inverted (I) DCS codes. After selection, press ENT key to confirm and press VFO/MR key to exit. When in Channel Mode, activating the CTCSS/DCS, will be on a

channel by channel basis, however if set in Frequency Receive Mode, CTCSS/DCS will work across the whole frequency band. It is recommended to not activate this in Frequency Receive Mode, as it is not a desirable function in this mode.

50 GROUPS OF CTCSS FREQUENCY

67.0	85.4	107.2	136.5	165.5	186.2	210.7	254.1
69.3	88.5	110.9	141.3	167.9	189.9	218.1	
71.9	91.5	114.8	146.2	171.3	192.8	225.7	
74.4	94.8	118.8	151.4	173.8	196.6	229.1	
77.0	97.4	123.0	156.7	177.3	199.5	233.6	
79.7	100.0	127.3	159.8	179.9	203.5	241.8	
82.5	103.5	131.8	162.2	183.5	206.5	250.3	

104+1 GROUPS OF DCS CODE

023	065	132	205	255	331	413	465	612	723
025	071	134	212	261	332	423	466	624	731
026	072	143	223	263	343	431	503	627	732
031	073	145	225	265	346	432	506	631	734
032	074	152	226	266	351	445	516	632	743
036	114	155	243	271	356	446	523	645	754
043	115	156	244	274	364	452	526	654	
047	116	162	245	306	365	454	532	662	
051	122	165	246	311	371	455	546	664	
053	125	172	251	315	411	462	565	703	
054	131	174	252	325	412	464	606	712	

Note: CTCSS and DCS can set between the highest frequency and lowest frequency.

TRANSMIT CDC

Under channel mode, press [FUN]+ [9 SET] key to enter the menu mode, turn the channel switch to until item, the screen will shows "T-CDC?", press [ENT] key and turn the channel switch to select the CTCSS (OFF-254.1). press the SIDE KEY 3 you can switch between CTCSS and DCS. DCS range is OFF-D754. Press SIDE KEY 4, you can select the normal (N) or inverted (I) DCS codes. After selection, press [ENT] key to confirm and press [VFO/MR] key to exit.

FREQUENCY STEP

Under frequency mode, press [FUN]+ [9 SET] key to enter the menu mode, turn the channel switch until, the screen will shows "STEP?", press [ENT] key turn the channel switch to select "2.5K/5K/6.25K/10K/12.5K/25K/50K/100K".(UHF default is 12.5K). After selection press [ENT] key to confirm and press [VFO/MR] key to exit.

ROGER BEEP

Under frequency/channel mode, press [FUN]+ [9 SET] key to enter the menu mode, turn the channel switch until the screen shows "ROGER?", press [ENT] key and turn the channel switch to select "OFF/ON", "OFF" means turn off the Roger Beep function. After selection press [ENT] key to confirm and press [VFO/MR]

key to exit. The Roger Beep should only be used when conversation is difficult, and it is hard to tell when each transmission is over. Most operators find listening to a Roger Beep extremely annoying. Excessive use of a Roger Beep (by continually keying the PTT repeatedly) could exceed the tone limitations imposed on the CBRS operational requirements. Do not use Roger Beep with other tone functions.

UHF CITIZEN BAND RADIO SERVICE (CBRS)

Channels 1-80 UHF CB TX/RX Simplex (direct CB to CB transmit and receive)

Duplexed (repeater access) Channels 1-8 and 41-48 have been allocated to memory position 81-88 and 91-98 and alpha tagged (channel name labelled) as channels REP 01-08 and REP 41-48 (REP for repeater).

REPEATER OPERATION

Duplexing allows access to repeaters in the UHF CB Band for increased transmit coverage in some areas where these repeaters exist. Only use these channels for extending your communications range when you know the channel of the repeater facility in your local area. It is recommended that you do not use channels 31 to 38 and 71 to 78 Simplex in areas of specific repeaters as it can cause interference, as these are repeater input channels. The FDP Pro has these channels alpha tagged with an asterisk as a reminder. Channels 5/35 (alpha tagged E) are the emergency channels and are monitored by volunteers in some areas. Do not use these channels in non-emergency cases.

Duplex Channels have been alpha tagged REP. Repeater input channels are tagged with an asterisk . Channel 11 is the customary calling channel (alpha tagged C) and channel 40 is the highway channel (alpha tagged H).

Note: No voice transmissions are permitted on data channels 22 and 23. Equipment meeting this standard will inhibit voice operations on channels 22 and 23. Channels 61, 62 & 63 are for future use, and TX

(transmit) is inhibited on these channels.

The 80CH CB EXPANSION

To accommodate the new 80 channels within the UHF CB band, narrowband transmission has been authorised by the ACMA. The older 40 channel UHF CB's use what is called wideband mode, as it's transmission width is wider. Both 40 and 80 channel radios can still talk to each other as they still share the same common channels, however they may sound a little different from each other due to this, and it is not the fault of the radios. Wideband radios may sound loud on narrowband radios, and narrowband radios may seem quieter on wideband radios. Adjust volume for best clarity. Narrowband radios operating on channels 41-80 may encounter interference from nearby wideband radios on adjacent channel frequencies. This problem is thought to present less of an issue over time when 80 channels becomes more common.

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

Operation is subject to the conditions contained in the ACMA Radio Communications (Citizen Band radio Stations) Class Licence in Australia, and MED General User Licence in New Zealand.

AUTHORISED DEALER PROGRAMMING FEATURES
LAND MOBILE SERVICE

The FDP Pro is also approved to the LMRS (licensed private/commercial frequencies outside the CB Band) covering 430 - 500 Mhz. This also covers the Amateur Radio 70cm Ham Band. The FDP Pro is capable of storing up to 128 dealer programmable channels for transmit and receive.
These LMRS channels will not be programmed without the proper authority to do so.

ALPHA TAGGING
Alpha Tagging (LCD Screen Channel Naming), sometimes called channel alias, can be programmed into channels for easy identification on the LCD screen. The LCD screen allow up to 6 letters and or numbers for channel identification.

PRIORITY CHANNEL SCAN
The authorised dealer can change which channel is set as a priority scan channel.

BATTERY SAVE FEATURE
The FDP Pro has up to 5 different setting of battery save. Very few radios can boast this. This can be adjusted by the authorised dealer. At maximum battery save setting, the battery can last several days on standby. This is a feature often favoured by rescue groups that can be 'off grid' for long periods of time. The trade off is, that the greater the battery save, the longer the receive lag (the time the radio takes to

respond to a transmission) when in it is in standby mode (radio goes into standby mode/battery save mode when the radio has been idle for a period of time-once the radio is active again, the battery save deactivates, and no receive lag occurs. After a period of in-activity, the battery save will re-activate).
All radios with battery save have this lag to varying degrees.
Battery Save is not an issue when using correct (old school) radio procedure - press the PTT (push to talk), pause then talk. Many rescue groups train their operators in such.
However the default battery save level on the FDP Pro has been set such that any lag is virtually unnoticeable, and you can get up to 30 hrs standby time, and normally a full days typical use from the battery, even at full transmit power. Also consider reducing the transmit output to LOW to save battery power, when being used over ranges of only a few hundred metres (like in traffic control). It is unlikely the person on the receiving end will notice any difference. The battery save can also be turned off by the authorised dealer.

CALLER ID (DTMF/MSK ANI PTT ID)
The authorised dealer can set certain channels to transit and receive caller ID. This is done by the use of DTMK or MSK encoding tones and decoding. MSK is generally recommended as its tone burst is very quick and allows up to 6 letters and or numbers for identification. When Caller ID is set on a channel, the decoding ability has to be activated first, by very quickly pressing the PTT shortly after the radio is first turned on.
This is a handy feature when combined with the Group Alert Alarm.

If Caller ID is wanted to be used on a CB channel, there are certain limitations placed on such by the standard, but it can done within certain parameters. Please discuss this with your authorised FDP dealer.

FUNCTION KEY DISABLE FEATURE

The Function Key can be disabled by the distributor or approved agent, which will lock the FDP Pro to being "Software Defined" only. When set as software defined with the Function Key disabled, the use of adjusting functions like Squelch, VOX, CTCSS, etc. will be inhibited. This is a popular feature within the commercial sector where they may require a simple use radio, often with specific settings.
Frequency Receive Mode can also be deactivated by the authorised dealer, as can the Scrambler function.

TOT (Time Out Timer)

The TOT setting is pre-set at the factory for 60 seconds, which is recommended, and more than adequate in the majority or cases. The maximum allowed for AS/NZS standards is 180 seconds.

WARRANTY

The supplier warrants this product to be free from defects in materials or workmanship for a period of 12 months from the date of purchase. Warranty is void if aforementioned precautions are not followed or the transceiver is damaged by misuse or damage by dropping.

Should you make a claim for such, we will then, at our option, either repair or replace he product, or refund your money back, and take back the product. Our additional liability does not extend beyond this, nor do we accept any additional liability under the terms of consequential loss. Proof of purchased is required, as is an intact warranty sticker. Batteries and accessories are not covered by this warranty.