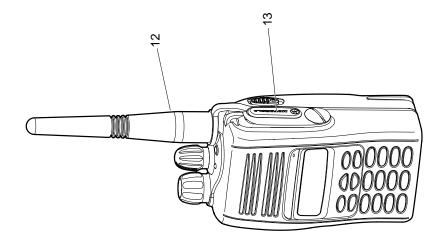


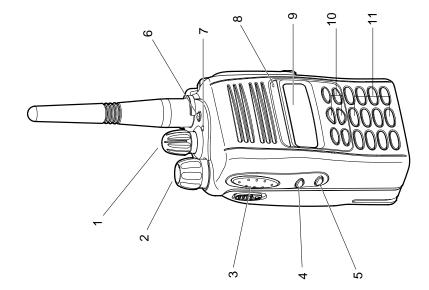
Professional Radio GP388

User Guide

68P64110B99

Issue: Nov 2001





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RADIO OVERVIEW

This user guide covers the operation of the GP388 Professional Portable Radio.

Before using this radio, refer to Important Safety and General Information contained in the separate booklet 68P64117B25_ enclosed with your radio.

OPERATION AND CONTROL FUNCTIONS

Radio Controls

The numbers below refer to the illustrations on the inside front cover.

1. **Rotary Knob**

Used as a channel selector and for multifunction scrolling.

On-Off / Volume Knob 2.

Used to turn the radio on or off, and to adjust the radio's volume.

Push to Talk Button (PTT)

Press and hold down this button to talk, release it to listen.

Top Button (programmable) Recommended as Emergency button.

7. **LED Indicator**

Green: Successful power up. Green Flashing: Radio scanning.

Red: Radio transmitting.

Red Flashing: Channel busy - when receiving.

Yellow: Radio called.

Yellow Flashing: Radio call reminder alert. Red Flashing: Low battery warning - when transmitting.

- Microphone 8.
- LCD Display (1 Line) 9.
- 10. Menu Keys
- 11. Keypad
- 12. Antenna

13. Accessory Connector

Connects headsets, remote speaker/microphones and other accessories. Replace attached dust cap when not in use.

Programmable Buttons

Several of your radio buttons can be programmed (by Customer Programming Software CPS) to

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Feature	Description
Monitor/Cancel	Monitor allows user to select between signalling squelch, carrier squelch and unsquelch, and to suspend scan when landed on a channel in scan mode. Cancel allows user to cancel current incoming or outgoing call.
Radio Call	To make an individual or group selective call.
Missed Call List	Allows user direct access into the Missed Call List menu feature.
Contact List	Allows user direct access into Contact List menu feature.
Status List	Allows user direct access into Status List menu feature.
Channel alslib.com manuals search engine	Allows user direct access into the Channel mode. The rotary knob (1) is set to increment/decrement the channel number

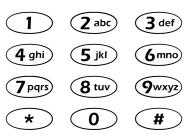
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Feature	Description
Nuisance Delete	To delete a nuisance (unwanted) channel when scanning, with exception of priority channel, last channel in scan list and home channel.
Power Level	To toggle the radio's transmit power level between High and Low.
Talkaround On/Off	To talk directly with another radio without going through a system or despatcher.
Emergency	Activates emergency alarm sequence.
Lone Worker	To identify user as a lone worker. Radio enters emergency sequence unless user responds, when prompted, by pressing any radio button.
Call Forward	To transfer calls automatically to another radio if user is unable to take the call.
Whisper	To increase the gain of the radio microphone to allow user to speak quietly.

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Feature	Description
Keypad Lock On/Off	Allows user to lock/unlock menu keys and keypad keys.
DTMF	To place the keypad into permanent DTMF live dial mode.
Backlight	To toggle the display/keypad backlight on and off.

Keypad Keys



These keys are used when dialling a phone number, making a radio call, or for numeric channel selection.

Keypad Lock/Unlock

On your radio there is a keypad lock feature which allows you to lock the keypad keys and menu keys to eliminate accidental key presses.

Press the keypad lock button to lock the keys, the display icon **Q** will be lit and the display will show:

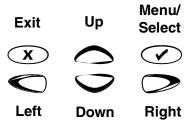
After 2 seconds the radio returns to the IDLE STATE.

Press the keypad lock button again to unlock the keys when the icon will be extinguished and the display will show:

The radio will then return to the IDLE STATE.

Keypad Unlock may be performed during a call, to allow menu access to the contact list, status list and scan on/off features.

Menu Keys



Menu/Select Key 🗸

Used to enter the Menu Mode. When you are in the Menu Mode, this key is also used to make menu selections.

Note: When the radio is in the IDLE STATE, pressing any of the six menu keys causes the radio to enter the Menu mode.

Exit Key X

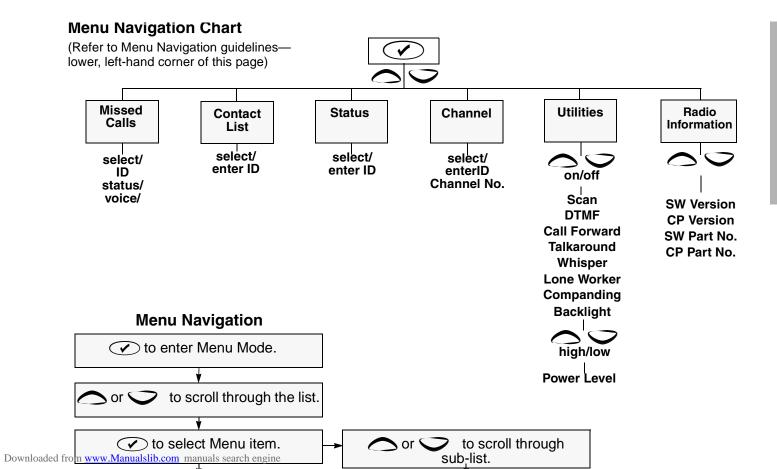
Used to move up to the next higher Menu level. When the top level menu is selected, this key is used to exit the Menu Mode.

Up Key

Used for scrolling when in Menu Mode.

Down Key 💙

Used for scrolling when in Menu Mode.



LCD Display and Icons



Displays channel, menu, and radio status information. The top two screen rows show radio status indicator symbols, explained in the table below:

	Symbol	Name and Description
		XPAND**Indicator Indicates that your radio has the companding feature activated.
	ĽН	Power Level Indicator "L" lights when your radio is configured to transmit in Low Power. "H" lights when your radio is configured to transmit in High Power.
Downloaded f	rom www.Manu	Monitor Indicator On indicates carrier squelch. ਕੀਲੀਜ਼ਿਆਰੀਫਿਸ਼ਾਈ ਤਰਿਸ਼ੀਜ਼ਿਆਰਾਤquelch.

Symbol	Name and Description
Ø	Keypad Lock Indicator On indicates that the keypad and menu keys are locked. Off indicates unlocked.
	Battery Level Indicator Shows the remaining charge in your battery, based on how many bars are displayed. Flashing, indicates flat battery.
0	DTMF Indicator Indicates DTMF is enabled.
A	Missed Call Indicator On indicates call in list. Off indicates no calls in list. Flashing, indicates new call in list.
 → 	Talkaround Indicator Indicates talkaround enabled.
88:88	Timer Shows the call time.

Audio Signal Tones

High pitched tone $\ \square$ Low pitched tone $\ \blacksquare$

Tone	Signal	Description
Power up OK		Radio self-test OK.
Power up Fail		Radio self-test fail.
Button/ Keypad Error		Button/keypad key/ menu key press not permitted.
Engaged		Channel busy or not permitted to transmit.
Call Failed		Call failed to connect.
Force Monitor		Radio must monitor channel before transmission permitted.
Button Feature Enable		Any option button pressed to enable a feature.
Button Feature Disable _{Manualslib}	.com manuals search en	Any option button pressed to disable a feature.

Tone	Signal	Description
Individual Call		Radio receives an Individual Call.
Call Reminder		Reminder of unanswered call.
TOT Pre-Alert		Warns of expiry of time out timer.
Monitor Alert		Alerts to change of squelch.
Scan Start		Radio starts scanning.
Scan Stop		Radio stops scanning.
Priority Call Decode		Radio detects a priority call.
Priority Channel		Radio landed on the priority channel.
Lone Worker		Reminds lone worker to respond.
Low Battery		Battery below receive threshold level.

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Tone	Signal	Description
Channel Free Beep		Indicates current channel is free.
Incoming Emergency Alert		Indicates an emergency situation.
Keypad Acknowledge		Confidence tone when any key pressed.
Ringtones	English/French/ General	Incoming calls (high tones), outgoing calls (low tones).

GETTING STARTED

BATTERY INFORMATION

Battery Care and Tips

This product is powered by a lithium-ion rechargeable battery.

The following battery tips will help you obtain the highest performance and longest cycle life from your Motorola rechargeable battery.

- Charge your new battery overnight (14-16 hrs) before using it to obtain maximum battery capacity and performance.
- Charging in non-Motorola equipment may lead to battery damage and void the battery warranty.
- When charging a battery that is attached to the radio, turn the radio off to ensure a full charge.
- The battery should be at about 25°C (room temperature) whenever possible. Charging a cold battery (below 10°C) may result in leakage of electrolyte and ultimately, in failure of the

- Charging a hot battery (above 35°C) results in reduced discharge capacity, affecting the performance of the radio. Motorola rapid-rate battery chargers contain a temperature-sensing circuit to ensure that the battery is charged within these temperature limits.
- New batteries can be stored up to two years without significant cycle loss. Store new/unused batteries in a cool dry area.
- Batteries which have been in storage should be charged overnight.
- Do not return fully charged batteries to the charger for an "extra boost". This action will significantly reduce cycle life.
- Do not leave your radio and battery in the charger when not charging. Continuous charging will shorten battery life. (Do not use your charger as a radio stand.)
- For optimum battery life and operation use only Motorola brand chargers. They were designed to operate as an integrated energy system.

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Recycling or Disposal of Batteries

Motorola endorses and encourages the recycling of all re-chargeable batteries. Contact your local Motorola dealer for further information.

Charging the Battery

If a battery is new, or its charge level is very low, you will need to charge the battery before you can use it in your radio.

The **IIII** icon flashes when the battery is flat and the hardware error tone will sound. This icon will only appear when a genuine Motorola battery is used.

Note: Batteries are shipped uncharged from the factory. New batteries could prematurely indicate full charge, charge a new battery for 14-16 hrs before initial use.

Charger LED	Status
Red	Battery is charging
Green	Battery is fully charged
Flashing Red *	Battery is unchargeable
Flashing Yellow	Charger is getting ready to charge
Flashing Green	Battery is 90% charged

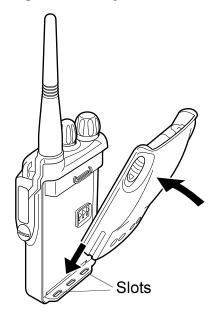
^{*} Battery is damaged. Please contact your dealer.

- **1.** Place the radio with the battery attached, or the battery alone, in the charger.
- **2.** The charger's LED indicates the charging progress.

Battery chargers will charge only the Motorola authorized batteries listed below; other batteries will not charge.

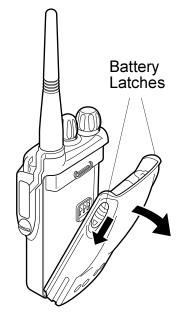
Part No.	Description
JMNN4023	Lithium-Ion
JMNN4024	Lithium-Ion - High Capacity

ACCESSORY INFORMATION Attaching the Battery



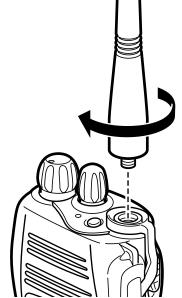
- Fit the extensions at the bottom of the battery 1. into the slots at the bottom of the radio's body.
- 2. Press the top part of the battery towards the

Removing the Battery



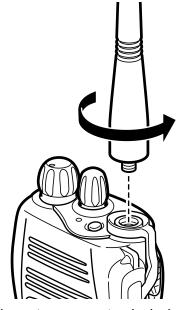
- Turn off the radio, if it is turned on. 1.
- 2. Slide the battery latches, on both sides of the battery, downwards.
- Pull the top part of the battery away from the 3.

Attaching the Antenna



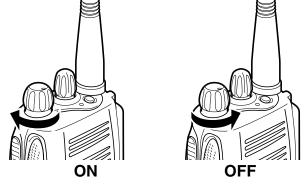
- **1.** Align the threaded end of the antenna with the radio's antenna connector.
- 2. Turn the antenna clockwise to fasten it.

Removing the Antenna



1. Turn the antenna counterclockwise until you can remove it.

RADIO OPERATION Turning the Radio On or Off



- To turn the radio on, turn the On-Off/Volume Control knob clockwise.
- To turn the radio off, turn the On-Off/Volume Control knob counterclockwise until you hear a click.

Radio On Message

At power up the radio will display a message customised by your dealer, e.g.:

Radi o On

After this text has been displayed, the radio perform a self test routine. On completion of a successful self test the radio will display:

Channel

This may be a number or an alias and will be the channel currently selected by the rotary channel selector. Alternatively, if required the radio may display a message customised by your dealer, e.g.

Ready

Note: If your radio fails the self test routine consult your dealer.

Adjusting the Radio's Volume

 Turn the On-Off/Volume Control knob to adjust the volume level.

Selecting a Radio Channel

Your radio offers up to 255 channels, however some may not be programmed. Check with your dealer for more information.

Before selecting a channel ensure your radio is in channel mode.

Note: The rotary knob default is channel mode.

The keypad default is programmable and may be set to channel mode.

There are two ways to enter channel mode:

Method 1

Press the Channel Mode direct access button, if programmed by your dealer.

Method 2

1 v to enter Menu Mode

2 or until: Channel

3 v to select

Downloaded from www.Manualslib.com manuals search engine Display shows e.d.. Chan:

Once in channel mode, there are three ways to select a channel:

Method 1

Turn the rotary knob (1) clockwise or counterclockwise until you reach the desired channel indicated on the display.

Method 2

1 or until:

Channel Number or

2 v to confirm your selection.

Display shows: (for 2 seconds)

Sel ected

(Alias

Method 3

Enter the desired channel number from the keypad, e.g. 05:

CH: 05

2 v to confirm your selection.

Display shows:

Selected

Sending a Call

- 1. Select the desired radio channel.
- 2. Press the PTT button and speak clearly into the microphone. Your mouth should be 2.5 to 5 cm away from the microphone.
- **3.** When transmitting, the red indicator will light continuously.
- 4. Release the PTT button to listen.

Your radio may be configured for 'Transmit Inhibit' under certain conditions (e.g. when the channel is in use by others) in which case, the channel busy tone will sound when you press the PTT or call button to indicate that transmission is inhibited.

When the channel is free, the Channel Free beep ____will sound, and you can make a call.

If your radio is equipped with a transmit time out timer (TOT), a warning tone _____will sound a few seconds before the transmission is cut off. Your radio may be programmed to inhibit retransmission within a preset time.

Receiving a Call

- 1. Turn your radio on and adjust the volume level.
- 2. Switch to the desired radio channel.
- **3.** If, at any time, a call is received you will hear the call at the volume level you have set.

Note: The system may have a limited call time and the call may be terminated automatically if this call time is exceeded.

Cancelling a Call

At any time while setting up a call it may be cancelled by pressing the Monitor/Call Cancel button. The call timer can also cancel a call.

Ending a Call

A call should always be ended by pressing the Monitor/Call Cancel button.

RADIO CALLS

SELECTIVE CALLS

Making a Selective Call

You can make a selective call to a particular radio, known as an individual call, or a group of radios, known as a group call.

You can make calls by using the **Contact List**, the **Missed Calls List** or **Manual Dialling**.

Receiving a Selective Call

When you receive a selective call, you will hear either.

or a group call alert tone _______

The LED Indicator will light (yellow) and the display will show the alias (name) or number (address) of the calling radio e.g.

To answer the call:

- **1.** Press the PTT button or Call button.
- The call will terminate automatically when the conversation has ended or press the Monitor button.

Your radio has a call timer which shows the time used on an incoming or outgoing selective call

e.g.

Display shows:

01:22

Downloaded from www Displayitshows nuals search engoder: 234

CONTACT LIST

When the radio is in the IDLE state or during a call, the contact list may be used to give access to up to 255 preprogrammed numbers accessed via the menu.

Depending on the way your radio is programmed, the radio will display either the alpha alias (name) or the number to be dialled.

There are two ways to enter the Contact List:

Method 1

Press the Contact List direct access button, if programmed by your dealer.

Method 2

1 vo enter Menu Mode.

2 or until:

Contact List

3 v to select

Once in the Contact List, there are three ways to choose the desired address:

Method 1

Turn the rotary knob (1) clockwise or counterclockwise until you reach the desired address indicated on the display.

Method 2

or until:

Alpha Alias

Method 3 (Manual Dialling)

Enter the desired address from the keypad, e.g. 0574:

(ADDR: 0574

Number

Once the desired address is displayed, there are two methods to select the address:

Method 1

to confirm your selection.

Display shows: (for 2 seconds)

Selected

Method 2

Press the PTT button *or* Call 1-4 to select address and make the call.

Call 1-4 are pre-programmed call buttons.

Note: During a call you may enter the contact list as described above and make another call to a third party, or initiate a new call. In either case the call may be a voice or status call.

Keypad Edit

If the radio is displaying a Contact List number, a Keypad Dialled number or a Status number, the last digit may be deleted by:

	For Aliases, eg:	Jack
1	or Once (to select number)	(1234567
2	Again (to delete last digit)	(123456
	For Numbers, eg:	1234567
3	For Numbers, eg: Once (to delete last digit)	1234567 123456

5 PTT button to make radio call.

Note: The edited number is not saved at the end of the call in the contact list, but is saved in the

MISSED CALLS

If a call remains unanswered, the call will be stored by the radio, provided that Missed Calls has been programmed into your radio.

Up to ten calls can be stored. If the same radio calls more than once, only the most recent call is stored. When ten calls have been stored by the radio, depending on the radio programming, the eleventh call received may overwrite the first or not be stored by the radio. When a new call has been stored by the radio, the Missed Call icon I will flash and the display will show the alias (name) or number (address) of the last calling radio e.g.:

When the Missed Calls list has been read and any missed calls retained, the Missed Call icon will be illuminated.

The Missed Call List can be entered directly by pressing the Missed Call button (if

To view the calls in the list via the menu:

- to enter Menu Mode.
- 2 Display shows:

Missed Calls

- to select
- or Oto scroll list:

Addr: Alias

Note: In the Missed Calls list some alpha alias/ numbers may contain a suffix S, which indicates a status message associated with the call.

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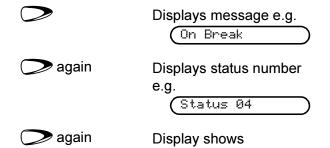
234

Example:

1 Display shows

Reception S

If the displays shows S there is a status message associated with the call.



Reception

S

You can call back to any number in the Missed Call list by:

1 or until desired number is displayed:

(Addr: Alias

- 2 PTT button or or # to make the call.
- **3** After the call is set-up, press PTT button and talk with your mouth 2.5-5 cm from microphone. Release PTT to listen.
- The call will terminate automatically when the conversation has ended or press the Monitor/Cancel button.

On a successful call set- up, the entry is automatically deleted from the stack together with any associated status message.

Unanswered calls may be deleted from the Missed Call list at any time by :

1 v to enter Menu Mode.

2 Display shows:

Missed Calls

3 v to select

4 or to select entry in list:

Addr: Alias

5 x to request deletion.

6 Display shows: ☐elete? ✔/ ★

7 v to confirm deletion.

8 Display shows momentarily, then

Deleted

On deletion of the last message in the Missed Calls list, the radio will exit the menu and return to the IDLE STATE.

To exit the Missed Call List:

1 x x to exit Missed Call List.

Display shows e.g.:

Ready

Note: The calls in the list are not deleted when the radio is turned off.

Downloaded from www.returns.to.thenMissed.rch engine

STATUS CALLS

A status is a code for transmitting prearranged messages, e.g. status "05" may indicate "Return to Base". The prearranged messages and associated code digits are contained in a Status List which contains up to 255 entries. This list is used for both incoming calls, when the status of the calling radio is displayed, and outgoing calls, when your status is sent either to a requesting radio or to other radios.

Making a Status Call

When the radio is in the IDLE state or during a call, the status list may be used to select a status message to reply to a calling radio or send your status to another radio.

There are two ways to enter the Status List:

Method 1

Press the Status List direct access button, if programmed by your dealer.

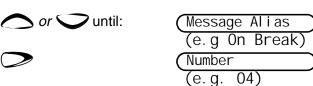
v to select

Once in the Status List, there are three ways to choose the desired status:

Method 1

Turn the rotary knob (1) clockwise or counterclockwise until you reach the desired status indicated on the display.

Method 2



Method 3 (Manual Dialling)

Enter the desired status from the keypad, e.g. 04: (digit range 00 to 999)

Stat: 04

Once the desired status is displayed, there are two methods to select the status:

Method 1

to confirm your selection.

Display shows: (for 2 seconds)

Sel ected

Method 2

Press the PTT button *or* Call 1-4 to select and make the call. Call 1-4 are pre-programmed call buttons.

Note: During a call you may enter the status list as described above and make another status call to a third party or initiate a new status call.

To send status message to another radio, select radio Alias/ID from Contact List via menu and send as detailed.

Receiving a Status Call

Your radio receives a Status Call when:

- Individual Call alert sounds
- 2 Display shows:

(Stat: On Break)
or
(Stat: 04)

alternating with

(Alias/Number

Where Status message "04" / "On Break" is example status message. Note that status number (04) only will be displayed if associated message is not programmed into your radio. Alias/Number is the name or number of the calling radio.

EMERGENCY CALL

Your radio can be programmed to give you a one-button quick access to call a particular radio or centre (predefined by your dealer) in emergency situations. This is the *Emergency Call*.

When you make an Emergency call, your radio goes into an Emergency state, which can be programmed to:

- · continually receive speech,
- the radio can receive and transmit.
- **1.** Press the **Emergency** button to initiate an Emergency call.
- **2.** Emergency can be stopped by:
 - Switching the radio Off and On again.
 - A reset message is received by your radio.
 - The emergency time duration is reached

Should you receive an Emergency call the
incoming emergency alert tone
will sound.

DTMF

DTMF means Dual Tone Multi Frequency and is used when the radio is required to operate in a radio system with an interface to telephone systems.

There are two methods of accessing DTMF Live Dial Mode:

Automatic/Manual

To do this, your radio must send a telephone interconnect to a station that connects you to a phone line. After you have finished your call, the radio sends a clear down call (if programmed) to shutdown the connection to the phone line.

Sending the Telephone Interconnect Call

Your radio can be programmed to send the interconnect call in one of the following ways:

 automatically - when a call button (Call 1 - 4 or PTT) has been programmed with the interconnect call, or a contact list entry has been programmed for DTMF access.

To initiate a DTMF call with Automatic Telephone Interconnect Call

1 Press dedicated Call Button (Call 1-4 or PTT), you will hear a tone sequence.

Display icon lit:

Wait for call to be set up when you will hear a dial tone.

Display shows:

Enter Digits

 \odot

3 Enter desired phone number, taking care not to press the PTT.

Note: Each DTMF digit is transmitted instantly.

Display shows entered digits:

8116

Once the radio has connected to the called number, you can begin the conversation. Even though this is a phone call, your conversation mimics a radio call, that means that both parties speak in turn, i.e. press the PTT to talk, release to listen.

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0	
CA	
က	

5 To end the call press the Monitor Button or change channel when the clear down call is sent automatically from your radio to shutdown the phone line.

To initiate a DTMF call with Manually Dialled Telephone Interconnect Call

1	Enter the interconnect call from the keypad,
	you will hear a tone sequence.

Display shows e.g. (122

2 Press dedicated Call Button (PTT or Call 1-4)

Display icon lit:

3 Wait for call to be set up when you will hear a dial tone.

Display shows: Enter Digits

4 Enter desired phone number, taking care not to press the PTT.

Note: Each DTMF digit is transmitted instantly.

Display shows entered digits:

(8116

- Once the radio has connected to the called number, you can begin the conversation. Even though this is a phone call, your conversation mimics a radio call, that means that both parties speak in turn, i.e. press the PTT to talk, release to listen.
- 6 To end the call press the Monitor Button or change channel when the clear down call is sent automatically from your radio to shutdown the phone line.

Note: The radio starts a programmable timer the moment both parties stop transmitting (talking). If the time-out timer expires, the radio will end the phone call.

Permanent DTMF Mode

Press the pre-programmed DTMF button once, to put the keypad into permanent DTMF live dial mode. Press the DTMF button again to disable the DTMF live dial. The radio then returns to the IDLE STATE and select calls can be made.

Alternatively, use the DTMF menu option to enable or disable permanent DTMF Mode.

Note: Permanent DTMF mode is not available in scan or during a call.

Using the DTMF Button

1. Press the **DTMF** button to switch **on** permanent DTMF Mode when the feature enable alert will sound, the display icon ① is lit and the display will show:

DTMF Mode On

2. Press the DTMF button again to switch off permanent DTMF Mode when the feature disable alert will sound, the display icon () is Downloaded from www.xtmquished and the display will show:

Using the Menu

- 1 Ensure radio is in IDLE STATE.
- 2 v to enter Menu Mode.
- 3 or until: Utilities
- 4 v to select
- 5 or until: DTMF Mode
- 6 v to select

Display shows Off current status e.g. :

- 7 or until: On
- 8 v to select:

Display shows: Selected

9 Radio exits menu mode and display

(for 2 seconds)

Chan' 05

To initiate a DTMF call in permanent live dial

1	Enter the interconnect call from the keypad,
	you will hear a tone sequence.

Display shows e.g.

122

Wait for call to be set up when you will hear a dial tone.

Display shows:

Enter Digits

3 Enter desired phone number, taking care not to press the PTT.

Note: Each DTMF digit is transmitted instantly.

Display shows entered digits:

8116

4 Once the radio has connected to the called number, you can begin the conversation. Even though this is a phone call, your conversation mimics a radio call, that means that both par-

5 To end the call press the Monitor Button or change channel when the clear down call is sent automatically from your radio to shutdown the phone line.

UTILITIES

The utilities described below are programmed into your radio by your dealer and are accessible either via a programmable button or via the menu.

DTMF

DTMF means Dual Tone Multi Frequency and is used when the radio is required to operate in a radio system with an interface to telephone systems.

You can switch **On** or **Off** Permanent DTMF Mode by using a pre-programmed **DTMF** button or via the menu, please refer to page 30.

SCAN

You can monitor several channels in order to receive any call that is transmitted on any of these channels. Sixteen different channels can be programmed into each scan list. Each channel can share the same scan list or have different scan lists assigned to them.

Once the radio's scan operation is activated and the radio detects a call coming through a channel in its scan list, it switches to that channel for you to receive the call.

STARTING OR STOPPING SCAN

You can start or stop a scan operation by using a pre-programmed **Scan** button or via the menu, either when the radio is in the IDLE STATE or when in a call.

Using the Scan Button

- 1. Press the **Scan** button to start scanning. The scan start alert tone □□□□□ will sound and the display icon it.
- 2. Press the Scan button again to stop scanning. The scan stop alert tone ■■■■ will sound and the display icon is extinguished.

Using the Menu

	_				101	_	\circ		- 11
7	Ensure	radia	10	ın	11 11	_	CIVIE	or in a	വി
		Taulu	15	- 11 1	1111	_	OIAIL	. UI III a	Can.

_	_				
2		+~	ontor	Manii	Mada

2 v to enter Menu Mode.

3 or until: Utilities

4 v to select

5 or until: (Scan

6 v to select

7 or until: On

8 v to select

Display shows: (Selected (for 2 seconds)

9 Radio exits menu
mode and display
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The scan start alert tone will sound, the display icon \nearrow will be lit and the LED indicator will blink green during a scan operation. When a call on a channel is detected the LED will stop blinking and the channel number will be displayed.

PRIORITY CHANNEL

A scan list may contain a priority channel. This means that a particular channel (for example, a commonly used channel) may be checked more frequently than other channels in the list during a scan operation. Priority channels are programmed into your radio scan lists by your dealer, however when a priority channel is included in a scan list, the scan icon changes from \angle to \angle .

TALKBACK

If the programmable Talkback option is set, you can respond to any calls received during the scan operation by pressing the PTT button before the programmed hang-time ends. Check

DELETING A NUISANCE CHANNEL

If a channel continually generates unwanted calls/ noise (a "nuisance" channel), you can temporarily remove it from the scan list by performing a *Nuisance Channel Delete* operation:

- While the radio is on the Nuisance Channel, press and hold the Nuisance Delete button until you hear the scan start alert tone.
- 2. Release the **Nuisance Delete** button.

Note: You cannot perform a Nuisance Channel Delete on a priority channel or if there is only one remaining channel in the scan list.

ADDING A DELETED NUISANCE CHANNEL BACK INTO THE SCAN LIST

Using the Scan Button

- Press the **Scan** button to stop scanning.
 The scan stop alert tone will sound.
- 2. Press the **Scan** button again to re-start scanning. The scan start alert tone will sound, and the scan list will contain all programmed channels.

Using the Menu

- Follow the instructions for selecting Scan On/Off via the menu
- Select Scan Off. Your radio will stop scanning, the scan stop alert tone will sound, the display icon and the LED indicator will be extinguished.

CALL FORWARD

You can call forward calls to your radio to another radio if you are unable to take calls or are away from your radio.

You can switch **On** or **Off** Call Forward by using a pre-programmed **Call Forward** button or via the menu.

Using the Call Forward Button

 Press the Call Forward button to switch on Call Forward, when the feature enable alert will sound and the display will show:

Forwarded On

2. Press the Call Forward button again to switch off Call Forward when the feature disable alert will sound and the display will show:

Forwarded Off

Using the Menu

- 1 Ensure radio is in IDLE STATE.
- 2 v to enter Menu Mode.
- 3 or until: Utilities
- 4 v to select
- 5 or until: Call Forward
- 6 v to select

Display shows Off current status e.g. :

- 7 or until: On
- 8 oto select

Display shows: Sel ected (for 2 seconds)

9 Radio exits menu and returns to IDLE STATE.

TALKAROUND

In your communications network, you may be using a system to cover a larger area than is possible with your radio. However, you can communicate with another radio within your radio's range without going through the system by using the Talkaround feature. This is especially useful when the system is down.

You can switch **On** or **Off** Talkaround by using a pre-programmed **Talkaround** button or via the menu.

Using the Talkaround Button

1. Press the Talkaround button to switch on Talkaround when the feature enable alert will sound, the display icon |→| is lit and the display will show:

(Talkaround On

2. Press the **Talkaround** button again to switch off Talkaround when the feature disable alert

will sound, the display icon → is extinguished

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Using the Menu

- 1 Ensure radio is in IDLE STATE.
- 2 v to enter Menu Mode.
- 3 or until: Utilities
- 4 v to select
- 5 or until: (Talkaround
- 6 v to select

- 7 or Until: On
- 8 v to select

Display shows: Selected (for 2 seconds)

9 Radio exits menu mode and display

Chan: 05

WHISPER

Whisper allows you to talk quietly into the radio microphone when making a call, by increasing the gain of the radio microphone.

You can switch **On** or **Off** Whisper by using a pre-programmed **Whisper** button or via the menu.

Using the Whisper Button

 Press the Whisper button to switch Whisper on, when the feature enable alert will sound and the display will show:

(Whisper On

2. Press the **Whisper** button again to switch Whisper **off**, when the feature disable alert will sound and the display will show:

(Whisper Off

Using the Menu

- **1** Ensure radio is in IDLE STATE.
- 2 v to enter Menu Mode.
- 3 or until: Utilities
- 4 v to select
- 5 or until: Whisper
- 6 v to select

- 7 or until: On
- 8 oto select

Display shows: Selected (for 2 seconds)

9 Radio exits menu mode and display

LONE WORKER

The Lone Worker feature enables you to work alone with added safety.

You can switch **On** or **Off** Lone Worker by using a pre-programmed **Lone Worker** button or via the menu.

Using the Lone Worker Button

 Press the Lone Worker button to switch Lone Worker on, when the feature enable alert will sound and the display will show:

Lone Wkr On

- You will be reminded at intervals that Lone Worker is switched on by a high pitched alert tone (Lone Worker Reminder) being sounded.
- Press any button to respond and cancel the alert, if you do not the radio will enter the Emergency state.
- 2. Press the Lone Worker button again to switch Lone Worker off, when the feature disable alert will sound and the display will show:

Using the Menu

- 1 Ensure radio is in IDLE STATE.
- 2 v to enter Menu Mode.
- 3 or until: Utilities
- 4 v to select
- 5 or until: Lone Worker
- 6 v to select

- 7 or until: On
- 8 v to select

Display shows: Selected (for 2 seconds)

9 Radio exits menu mode and display

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POWER LEVEL

You can transmit your calls at different transmit power levels. A higher level means you can reach a radio that is farther away. A lower power level conserves battery power. Use the high power setting only when necessary, to conserve battery life.

You can switch between **high** and **low** power levels by using a pre-programmed **Power Level** button or via the menu.

Using the Power Level Button

 Press the Power Level button to switch to high power when the feature enable alert will sound, the display icon H is lit and the display will show:

(High Power

 Press the Power Level button again to switch to low power when the feature disable alert will sound, the display icon L is lit and the dis-

Using the Menu

- 1 Ensure radio is in IDLE STATE.
- 2 v to enter Menu Mode.
- 3 or until: Utilities
- 4 v to select
- 5 or until: Power Level
- 6 v to select

Display shows Current status e.g. :

- 7 or until: (High
- 8 v to select

Display shows: Selected (for 2 seconds)

9 Radio exits menu mode and display

COMPANDING

Companding is a collective term to define **comp**ressing the audio signal on transmission and exp**anding** the audio signal on reception. The overall effect is to reduce noise in the received signal, giving you crisper, clearer audio clarity. Companding should only be used when other radios in your system have the same companding feature available.

You can switch **On** or **Off** Companding by using a pre-programmed **Companding** button or via the menu.

Using the Companding Button

Press the **Companding** button to switch Companding **on**, when the feature enable alert will sound, the display icon is lit and the display will show:

Companding On

2. Press the Companding button again to switch Companding off, when the feature disable alert Downloaded from www.Manualslib.com in aguasts search eggin extinguished

Using the Menu

- 1 Ensure radio is in IDLE STATE.
- 2 v to enter Menu Mode.
- 3 or until: Utilities
- 4 v to select
- 5 or until: Companding
- 6 v to select

Display shows Off current status e.g. :

- 7 or until: On
- 8 v to select

Display shows: Selected (for 2 seconds)

9 Radio exits menu mode and display

BACKLIGHT

Backlight illuminates the radio display, keypad and menu navigation keys.

Your radio can be programmed to have the backlight permanently on, permanently off or a timed period, when any new information being displayed, causes the backlight to remain on for 10 seconds.

You can switch **On** or **Off** the Backlight by using a pre-programmed **Backlight** button or via the menu.

Using the Backlight Button

 Press the Backlight button to switch Backlight on, when the feature enable alert will sound and the display will show:

Backlight Tmd

or (Backlight On

2. Press the Backlight button again to switch Backlight off, when the feature disable alert will sound and the display will show:

Using the Menu

- 1 Ensure radio is in IDLE STATE.
- 2 v to enter Menu Mode.
- 3 or until: Utilities
- 4 v to select
- 5 or until: Backlight
- 6 v to select

Padia avite manu

Display shows Off current status e.g. :

7 or until: On or

(Timed

8 v to select e.g.: Timed

Display shows: Selected (for 2 seconds)

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VOICE OPERATED TRANSMIT (VOX)

When the VOX headset/microphone is connected, your radio may be used with hands-free operation.

The VOX feature intelligently senses background noise, so that it adapts automatically to the noise level in the environment in which you are working.

To start the VOX feature:

- **1.** Connect the VOX headset onto the accessory connector of the radio.
- 2. Switch On the radio.

You can disable the VOX feature by pressing the PTT button on the radio. This allows you to use the VOX headset but you must press the radio PTT to transmit.

To re-enable the VOX feature:

 Switch the radio Off and On again with the headset connected to the accessory connector

STUN/UNSTUN

For added security and to avoid abuse of the radio system in which you operate, a feature known as **Stun/Unstun** is included in your radio.

This feature can only be activated by your system manager or administrator.

For example, if your radio is stolen and is being used illegally, your system administrator can send a signal which will **stun** the radio making it incapable of being used. This feature is also useful if the system is being abused by a user who is not complying with the correct communications protocol.

The radio can only be unstunned, i.e. returned to operational use, by an **unstun** signal sent from the system administrator or returning the radio for reprogramming.

RADIO INFORMATION

To enable you and your dealer/system administrator to establish, quickly, the software and radio parameters programmed into your radio, a feature known as **Radio Information** can be accessed via the menu.

On selection of **Radio Information**, your radio display will indicate:

- Software (SW) version
- Codeplug (CP) version
- Software (SW) part number
- Codeplug (CP) part number

To access Radio Information

- 1 Ensure radio is in IDLE STATE.
- 2 v to enter Menu Mode.
- 3 or until: (Radio Info
- 4 v to select
- 5 or until: SW Version or

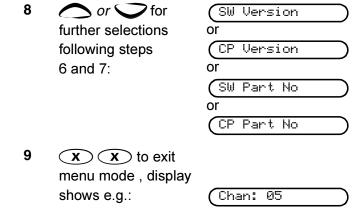
or (CP Version or

SW Part No or CP Part No

6 v to select e.g.: SW Version

Display shows e.g.: D02.00.01

7 x to return to SW Version previous menu level:



SAFETY INFORMATION

Before using this radio, refer to Important Safety and General Information contained in the separate booklet 68P64117B25_ enclosed with your radio.

NOTES