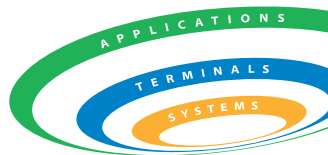


# Quick Start Guide

**SC20 series** hand-portable radio



Going further in critical communications



Original Instructions: ENGLISH  
Document Number: MOD-15-1898  
Issue 4.0

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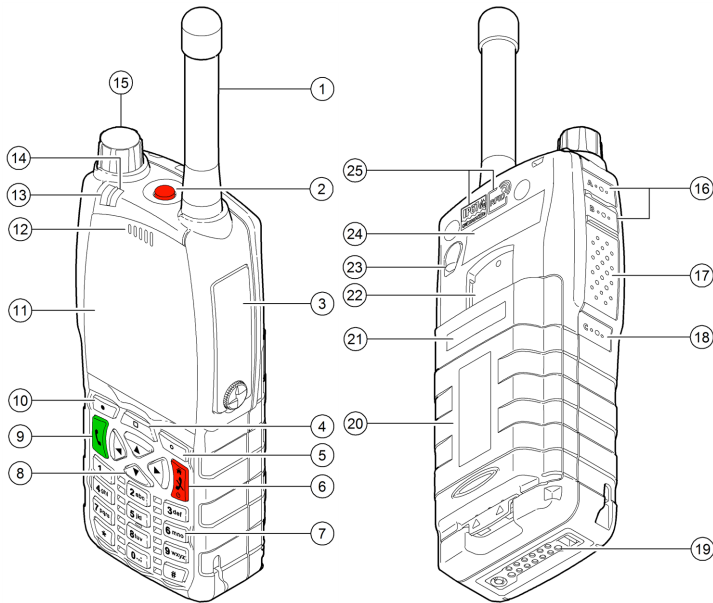
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# General information

This user guide describes the default operation and features of the SC20 series radio. Your service provider or organisation may have customised your radio to optimise its performance to suit your individual needs. There may be differences between this guide and the way your product operates. Contact your service provider or organisation for information about the customisation of your radio.

# Your radio at a glance



| Item | Description                                                                                             |
|------|---------------------------------------------------------------------------------------------------------|
| 1    | <b>Antenna.</b>                                                                                         |
| 2    | <b>Emergency Button.</b> Press and hold (2 seconds) to initiate an Alarm call.                          |
| 3    | <b>Rugged Accessory Connector (sRAC).</b> Provides connection for accessories.                          |
| 4    | <b>Centre context key.</b> Press to activate the feature or option that appears directly above the key. |
| 5    | <b>Right context key.</b> Press to activate the feature or option that appears directly above the key.  |

| Item | Description                                                                                                                                                                                                                                             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6    | <b>Cancel/Home key.</b> Press and hold (2 seconds) to power <b>on</b> your radio. From the Home screen, press and hold (4 seconds) to power <b>off</b> .                                                                                                |
| 7    | <b>Alphanumeric keypad with backlight.</b> Loudspeaker and microphone behind.                                                                                                                                                                           |
| 8    | <b>Navigation keys.</b> Press to scroll through lists and move the cursor when writing text.                                                                                                                                                            |
| 9    | <b>Select/Send key.</b> Press to initiate a phone call.                                                                                                                                                                                                 |
| 10   | <b>Left context key.</b> Press to activate the feature or option that appears directly above the key.                                                                                                                                                   |
| 11   | <b>Colour display</b> with backlight.                                                                                                                                                                                                                   |
| 12   | <b>Earpiece and microphone.</b> Earpiece is active during phone calls when the radio is held like a Smartphone against the ear. Speak into the microphone during Group calls when the radio is not attached to an audio accessory and held in the hand. |
| 13   | <b>Tri-colour LED</b> (indicator). Indicates various operational states of the radio.                                                                                                                                                                   |
| 14   | <b>Blue LED</b> (indicator). Indicates a missed event such as a call, Callout or message. Also indicates Bluetooth® status.                                                                                                                             |
| 15   | <b>Navi-knob.</b> A continuously rotating knob used to adjust the speaker volume.                                                                                                                                                                       |
| 16   | <b>Side Button (A/B)</b> (soft keys). Press to activate a programmed feature.                                                                                                                                                                           |
| 17   | <b>PTT (Press-to-talk) button.</b> Press and hold to talk during a group call. Release to listen to other radio users.                                                                                                                                  |
| 18   | <b>Side Button (C)</b> (soft key). Press to activate a programmed feature.                                                                                                                                                                              |
| 19   | <b>Digital Accessory Connector (sDAC).</b> Used to charge the battery, program the radio and attach accessories.                                                                                                                                        |
| 20   | <b>Battery</b>                                                                                                                                                                                                                                          |
| 21   | <b>Battery user label area</b> for attaching an asset label (optional).                                                                                                                                                                                 |

| Item | Description                                                                                       |
|------|---------------------------------------------------------------------------------------------------|
| 22   | <b>Attachment point for accessory</b>                                                             |
| 23   | <b>External Antenna Connector</b> used with a car kit to attach an external antenna to the radio. |
| 24   | <b>Radio user label area</b> for attaching an asset label (optional).                             |
| 25   | <b>RFID tag</b> for monitoring and auditing purposes.                                             |

# Battery

For your safety, inspect the battery regularly for any signs of damage, such as cracks or surface damage caused by an impact or the battery being dropped. Fit a new battery if there are any signs of damage.



**Warning: Risk to personal safety.** Sepura TETRA radios have been tested and certified using Sepura approved batteries. The use of non-approved batteries may damage the product, will result in non-compliance with regulatory requirements, compromise the product safety ratings including SARS, reduce the length of operating time and will invalidate the product warranty.

## Checking the battery charge

Always check the amount of battery charge before lengthy periods of operation. A fully charged battery should provide continuous operation for a full shift, depending on a number of operational factors such as how the radio is operated, the operating environment (temperature and network signal strength) and the condition of the battery. When the radio is powered **on**, the amount of charge remaining may be displayed as a percentage (%) on the screen.

---

## Charging the battery

Your radio is powered by a rechargeable battery. The battery may be recharged many times but it will eventually need replacing to ensure continuous maximum performance from your radio.

## First time battery charging

New batteries (Standard battery part no. 300-01174 and High Capacity battery part no. 300-01175) are supplied in 'storage mode' which means they have a minimum amount of charge for storage purposes. Before using a new battery for the first time it must be fully charged to reactivate it. If the battery is used before it is reactivated (fully charged) the radio

may not power **on**, or may indicate a low battery status icon or low level of charge.

## Battery chargers

Only use Sepura approved battery chargers. Use of non-approved chargers may not fully charge the battery or damage it. Always read the user documentation supplied with the charger for additional safety instructions and how to use it.

## Charging methods

The radio may be powered **on** or **off** during charging.

Attach the Charger cable to the connector at the base of the radio or place the radio with battery attached into a charging dock. During charging, the tri-coloured LED on the radio indicates the charging progress and the ⚡ **charging** icon appears on the status line, providing there is sufficient charge in the battery to support this function.

| Status LED      | Description                                                                                         |
|-----------------|-----------------------------------------------------------------------------------------------------|
| Flashing Orange | Battery temperature is either too hot or cold to commence charging.                                 |
| Solid Orange    | Charging in progress.                                                                               |
| Solid Green     | Charging complete.                                                                                  |
| Solid Red       | Battery has failed to charge and may be not be chargeable. Contact your service provider or Sepura. |

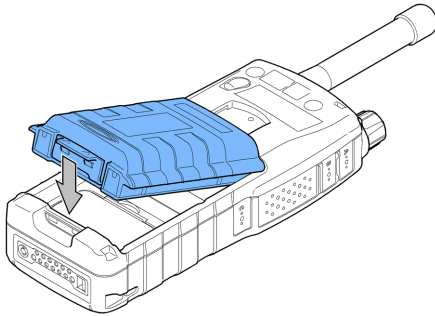
The battery may be charged separately from the radio using a battery-only charger.

---

## Fitting the battery

If a Belt clip or Shirt/Pocket clip is fitted to the radio, lift the Belt clip or Shirt/Pocket clip before attempting to fit the battery. Do not attempt to insert the battery into the battery compartment sideways under the clip. This may result in damage to the radio and the clip.

To attach the battery, insert the battery into the battery compartment as shown. Press the battery downwards until it clicks into position.



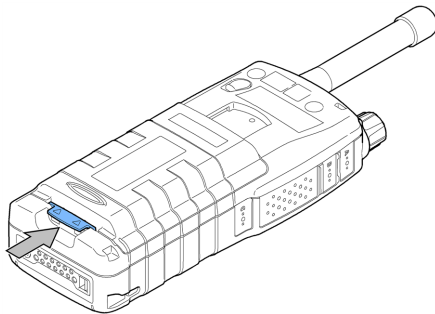
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## Removing the battery

**Caution:** Power off before removing the battery.

If a Belt clip or Shirt/Pocket clip is attached, lift the clip before removing the battery.

Push the safety latch on the bottom of the battery. Lift the battery upwards and remove.



# Operational overview

---

## Keys, buttons and knobs

### Emergency button

Press and hold (2 seconds) to initiate an Alarm Call.

If the radio is powered **off**, press and hold (3 seconds) to power **on** and initiate an Alarm Call. It may take several seconds for the radio to complete its power on process before initiating the Alarm call.

### PTT (press-to-talk) button

Press and hold to transmit (speak) during a Group call.

Release to receive and listen to other radio users.

### Cancel/Home key

Press and hold (2 seconds) to power **on**.

In the Home screen, press and hold (4 seconds) to power **off**.

Press and hold (2 seconds) to return to the Home screen from any other screen.

Press to end a phone call.

### Select/Send key

Press to initiate a phone call.

Press to select a menu or option.

### Navi-knob

Rotate to adjust the volume.

### Navigation keys

Press to scroll lists, menus, talkgroup folders and status messages.

Press to move through characters when writing text.

## Context keys

Context labels appear at the bottom of the screen, directly above each context key. These labels show the action of the key when it is pressed; either activating a feature or performing a function such as clearing a call (**Clear**) or selecting an option (**Select**).

The labels and actions of the context keys in the Home screen are:

| Context key | Label           | Action                                                                                                                                                                                     |
|-------------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Left        | <b>Menu</b>     | Press to enter the main menu.                                                                                                                                                              |
| Centre      | <b>Groups</b>   | Press to change the talkgroup. See <a href="#">Selecting a talkgroup on page 21</a>                                                                                                        |
|             | <b>Status</b>   | Press 2 times to send a status message. See <a href="#">Send a message on page 42</a>                                                                                                      |
|             | <b>Profiles</b> | Press 3 times to select a user profile. See <a href="#">User profiles on page 38</a>                                                                                                       |
| Right       | <b>Shortcut</b> | Press to open the Shortcut Bar to quickly access regularly used features or clear a notification. See <a href="#">Notifications on page 20</a> and <a href="#">Shortcut Bar on page 19</a> |

## Soft keys

Special features such as SmartMenus can be assigned to a soft key. Your service provider or organisation can provide information about the customisation of your radio's soft keys.

To activate a soft key function, press and release a programmable soft key or press and hold (1 second) any one of the 0–9, \* and # keys.

---

## LED indicators

### Blue LED

The blue LED indicates either a missed event, such as a missed call or unread message, or your Bluetooth® status (if enabled). Notifications alerting you to the missed calls, Callouts or unread messages appear in the Shortcut Bar. See [Notifications](#) on page 20.

| LED Indication                                                                                  | Description                                        |
|-------------------------------------------------------------------------------------------------|----------------------------------------------------|
| Flashing on for 1 second, off for one second, on for another second, then off for seven seconds | Missed event                                       |
| One flash every 10s                                                                             | Bluetooth® function is enabled                     |
| Continuous rapid flashing                                                                       | radio is in Bluetooth® discoverable (visible) mode |

### Tri-colour LED

The tri-colour LED indicates the operational state of the radio.

| LED Colour                       | Description                                                                                          |
|----------------------------------|------------------------------------------------------------------------------------------------------|
| Solid green                      | Radio is powering <b>on</b> or in a call and receiving                                               |
| Solid red                        | Radio is in a call and transmitting                                                                  |
| Intermittent flashing red        | Attempting to connect to the network or incoming telephone SDS/Status message or battery low warning |
| Flashing orange                  | Incoming telephone call or SDS/Status message                                                        |
| Intermittent four flashes orange | Transmit Inhibit mode or Fallback mode are active                                                    |

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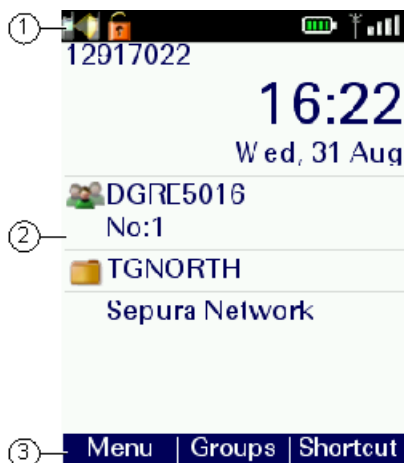
## Home screen

The top level screen, known as the *home screen*, appears when the radio powers **on** and when it is idle.

**Tip:** To quickly get back to the home Screen, press and hold (2 seconds) the **Cancel/Home** key.

The *status line*, at the top of the screen, displays various icons to indicate the state of operation or when certain functions such as keypad lock have been activated. It can also be configured to display the Network Name when the radio is idle.

The *context key labels* at the bottom of the screen indicate what the context key directly below the label is configured to do. These labels change according to where you are in the menu hierarchy.



| # | Description                                                                                                                                                                                                                                         |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Status line showing the radio coverage signal strength, battery charge indicators, and operational status icons.                                                                                                                                    |
| 2 | Information area containing information that only appears on the Home screen. This is customised by your service provider or organisation. It may show date and time, your selected talkgroup, folder and network name (Mobile Network Code Alias). |
| 3 | Context key options (available in the Home screen).                                                                                                                                                                                                 |

---

## Status icons

Icons appear on the status line (at the top of the display) when the radio is engaged in certain activities or when certain functions are active.

| Icon                                                                                | Description                                                                                                                                                                  |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Security and Emergency</b>                                                       |                                                                                                                                                                              |
|    | <b>Emergency</b><br>Appears when emergency operation mode is active on your radio and an Alarm call is in progress.                                                          |
|    | <b>Air Interface Encryption disabled</b><br>Calls will not be encrypted.                                                                                                     |
| <b>Trunked Mode Operation (TMO)</b>                                                 |                                                                                                                                                                              |
|    | <b>Outgoing TMO call in progress</b><br>You are in a call that you initiated.                                                                                                |
|    | <b>Incoming TMO call in progress</b><br>You are in a call that was initiated by another person or your dispatcher on the TMO network.                                        |
|    | <b>Missed incoming TMO call</b><br>You have missed an incoming TMO call. The blue LED flashes. A notification alerting you to the missed call appears in the Shortcut Bar.   |
|  | <b>Broadcast Call</b><br>A high-priority group call ( <i>point-to-multi-point</i> ) initiated by your Dispatcher to all network radio users. You cannot reply to the caller. |
| <b>Direct Mode Operation (DMO)</b>                                                  |                                                                                                                                                                              |
|  | <b>Incoming DMO call</b><br>You are in a DMO call that was initiated by another radio user.                                                                                  |

| Icon                                                                                | Description                                                                                                                                                                                  |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <b>Outgoing DMO call in progress</b><br>You are in a call to another radio user.                                                                                                             |
|    | <b>Missed incoming DMO Call</b><br>The blue LED flashes to notify you that you have missed an incoming DMO call. A notification alerting you to the missed call appears in the Shortcut Bar. |
|    | <b>DMO transmission power.</b> The radio has been set to a higher transmission power than the normal transmission power level.                                                               |
|    | <b>DMO transmission power.</b> The radio has been set to a lower transmission power than the normal transmission power level.                                                                |
| <b>General icons</b>                                                                |                                                                                                                                                                                              |
|    | <b>Signal Strength</b><br>Shows the current signal strength. More bars indicate a stronger signal.                                                                                           |
|    | <b>Good radio coverage</b><br>Indicates good radio coverage.                                                                                                                                 |
|    | <b>No service</b><br>Indicates poor signal or no radio coverage.                                                                                                                             |
|  | <b>Battery Strength</b><br>Indicates the level of charge in your battery. More bars indicates more charge.                                                                                   |
|  | <b>Low battery warning</b><br>Appears when there is less than 12% charge remaining in the battery.                                                                                           |
|  | <b>Charging</b><br>Appears when the battery is attached to the radio during charging and the radio is powered on.                                                                            |
|  | <b>Keypad locked</b>                                                                                                                                                                         |

| Icon                                                                              | Description                                                                                                                                                      |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>Transmit Inhibit</b><br>Indicates that you have activated transmit inhibit and the radio is unable to transmit (overridden when Emergency mode is activated). |

## Antenna and radio coverage

**Caution:** The antenna must be attached to the radio at all times. Never remove the antenna during operational periods.

The ability to transmit and receive RF signals depends on the strength and quality of the radio coverage.

Good radio coverage is indicated by the Signal Strength icon  and bar indicator displayed on the status line. In Trunked Mode Operation (TMO) the bar indicator represents the network signal strength. In Direct Mode Operation (DMO) it indicates the strength of the signal from the transmitting radio. Poor or no radio coverage is indicated by a short bar or no bar at all with the  poor signal strength icon.

## Menu

Your radio is customised by your service provider or organisation with a number of features that are accessed from the main menu.

- ▶ To open the main menu, in the Home screen press **Menu**.
- ▶ To open a sub-menu or menu option, scroll to the option (highlight it) and press **Select**.
- ▶ To return to a higher level menu, press **Back**.
- ▶ To return to the Home screen at any time within the menu hierarchy, press and hold (2 seconds) the **Cancel/Home** key.

## Menu options

The following icons are used to identify the sub-menus that provide access to further options.

| Icon                                                                                | Menu option                                                                                                                                                                                                                                                              |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <b>Phone</b><br>Add, edit and delete your personal contacts within your personal folder. Search (or filter) your contacts to locate the contact you want and initiate a call. Review you call history.                                                                   |
|    | <b>Messages</b><br>Read, create, save and send text (SDS) messages. View picture messages (if customised). Select and send a status message. Clear your mailbox of unwanted messages.                                                                                    |
|    | <b>Groups</b><br>Search your talkgroup folders and select a talkgroup. Enable scanning of your selected talkgroups. Set up your speech call settings.                                                                                                                    |
|    | <b>GPS</b><br>Manage your GPS location and position settings. View your current location, direction and speed.                                                                                                                                                           |
|   | <b>Applications</b><br>Your radio may be customised with a number of applications such as Man-down and Lone Worker. Your service provider or organisation may have installed specific applications (Short Data Applications) to help you in your role. Access WAP sites. |
|  | <b>Networks</b><br>Manage your network connections and DMO options. Change your operating mode (TMO/DMO). Enable/disable Transmit Inhibit mode when working in RF sensitive areas.                                                                                       |

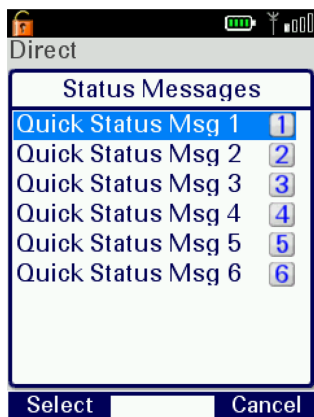
| Icon                                                                              | Menu option                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>Options</b><br>Manage your Bluetooth® devices and settings. Personalise your radio settings such as backlight, text size and language. Reset your radio to the last customisation, with options to keep personal data settings such as contacts in the phonebook. Enable Connector Protector when working in salt laden environments to protect your radio. |
|  | <b>User Profiles</b><br>Select customised profiles designed specifically for the way you work.                                                                                                                                                                                                                                                                 |
|  | <b>Help</b><br>View help, such as a list of customised soft keys on your radio.                                                                                                                                                                                                                                                                                |

---

## SmartMenus

SmartMenus are designed to provide quick access to regularly used radio features, usually with a common theme. Your service provider or organisation may customise your radio with a number of SmartMenus, for example you may have a SmartMenu containing all your Quick Status messages, another for user profiles and another for selecting operational modes such as toggling on/off covert mode, Transmit Inhibit, loudspeaker mute and so on.

SmartMenus are assigned to a soft key, either a Side key or one of the keys on the keypad. To open a SmartMenu, press the Side key or press and hold (1 second) the assigned key on the keypad.



Use the navigation keys to scroll the list of options on the SmartMenu. Options are labelled with a number, shown to the right of the option. To select the option, press the key that corresponds to the number of the option, for example to select option 3, press the 3 key. Note that using this method only options numbered 1 to 12 can be selected using the keys on the keypad (press 0 for option 10, the Star (\*) key for option 11 and the Hash (#) key for option 12). For options numbered 13 onwards, scroll to the option (highlight it), and press **Select**.

# Getting Started

---

## Power on

To power **on**, press and hold (2 seconds) the **Cancel/Home** key.

Your radio attaches to the last selected talkgroup when it is powered off (if it is 'in service'). This is customisable.

**Note:** A message may be displayed relating to the authenticity of your battery or attached accessory. A message may appear if your software licence has or is about to expire.

**Note:** If an accessory is detected when the radio is powered on, and it is the same accessory that was attached at power off, the radio will continue to operate using the selected accessory profile. See [Accessory profiles](#) on page 1.

---

## Power off

**Note:** **Do not** power **off** the radio by removing the battery. The radio must be powered **off** correctly to ensure that it performs a controlled 'powered down'.

To power **off**, from the Home screen press and hold (4 seconds) the **Cancel/Home** key.

- Scroll to the **Shutdown** option, then press the **Select** key to power **off** your radio.

---

## Locking and unlocking the keypad

To prevent accidental activity during operation, you can lock the keypad. This will also prevent access to the radio's functions if the radio is stolen. When the keypad is locked, the  Key icon appears in the status line.

The **Navi-knob**, and the **PTT** and **Emergency** buttons remain unlocked so you can still adjust the volume, make a Group or Alarm call when the keypad is locked.

### To lock/unlock the keypad:

Press the \* (star) key (or a designated soft key), then press the **OK** context key to lock/unlock the keypad.

If you press any other key while the keypad is locked no action is taken. A message is displayed to remind you that the keypad is locked.

---

## Adjusting the volume

Rotate the **Navi-knob** to adjust the volume. A vertical volume meter displays to indicate the current volume level. The radio sounds an audible tone at the new volume level.

**Note:** Adjusting the volume of an audio accessory is achieved using Accessory Profiles. See [Accessory profiles](#) on page 1.

---

## Shortcut Bar

You can easily access commonly used radio features such as your Inbox, and turn features on and off using the *Shortcut Bar*. The Shortcut Bar can contain up to 5 radio features and some of these can be paired with notifications to alert you to a missed call or a new message in your Inbox.

To open the Shortcut Bar, in the Home screen press the **Shortcut** context key or the Up navigation key.



| # | Description                                                                                                                                                                                                                             |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Use the navigation keys to scroll through the notifications and features. Notifications always appear to the left of features. Press the <b>Right</b> navigation key to continue scrolling right to view more shortcuts (if available). |
| 2 | To open a notification or feature, highlight it and press the <b>Select</b> context key.                                                                                                                                                |
| 3 | Press the <b>Back</b> context key to close the Shortcut Bar without opening a feature. The Shortcut Bar cannot be closed if there are notifications.                                                                                    |

## Notifications

Like a Smartphone, your radio can display notifications to indicate a missed call or new message. They also appear when certain functions are enabled such as mute and transmit inhibit. Your radio can display up to 5 notifications, and up to 5 shortcuts commonly used radio features.

Some features can be paired with notifications, such as your Inbox so when a message is received a notification appears in the Shortcut Bar to alert you to the unread message. When paired with a feature, the feature icon appears with a notification badge . Notifications paired with features appear to the left of all other feature icons.

The following notifications can be paired with a feature:

| Icon                                                                                | Notification   | Paired Feature |
|-------------------------------------------------------------------------------------|----------------|----------------|
|  | Unread message | Inbox          |
|  | Missed call    | Call History   |
|  | Missed Callout | Callout        |

### To close a notification:

From the Home screen, press the **Shortcut** context key or the **Up** navigation key to open the Shortcut Bar, highlight the notification then press the **Select** context key. Use the feature in the usual way, for example, read an unread message or respond to a missed call. The notification automatically closes and disappears from the Shortcut Bar.

---

## Selecting TMO and DMO

In Direct Mode Operation (DMO), radios communicate directly with other TETRA radios without using a network. Coverage depends on the position of the caller and the receiving radio. When you switch to DMO mode your radio leaves the network and tunes to the selected DMO talkgroup. In Trunked Mode Operation (TMO) your radio operates on the network infrastructure supplied by your service provider.

### To change operating mode from the Home screen

Press the **Menu** context key, then select **Networks > Operating Mode**. Scroll to the mode (highlight it) and press **Select**.

---

## Selecting a talkgroup

Your radio is customised with talkgroups that typically include users who are either performing a similar role or who are within a distinct location or provide a service that you use.

The way you select a talkgroup depends on the customisation of your radio. Your radio may be customised for *Folder Selection Mode* or *Talkgroup Selection Mode*. Contact your service provider for information about the customisation of your radio.

### Talkgroup Selection Mode

If your radio is customised for Talkgroup Selection Mode, you need to select a talkgroup before you can make a call. You can change the talkgroup at any time.

## To select a talkgroup:

1. From the Home Screen, press the **Groups** key. The current selected folder and talkgroup appear in the talkgroup selection box.

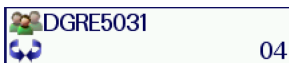


**Tip:** If you want to change to another talkgroup within the same folder, simply enter the number of the talkgroup, or select the All Folder which contains all the talkgroups and enter the number of the talkgroup.

2. Use the **Left and Right** navigation keys to move between folders at the same level. Use the **Up and Down** navigation keys to move between the folder levels (sub-folders).



Rotate the **Navi-knob** to scroll through the talkgroups within the currently selected folder. The directional arrows under the talkgroup name indicate the rotational direction of the **Navi-knob**.



3. Press the **Select** context key to attach to the talkgroup.

## Folder Selection Mode

If your radio is customised for Folder Selection Mode, you must select a folder, and the selected talkgroup within that folder becomes your requested talkgroup when you make a call.

You can change the selected talkgroup within the folder (if the talkgroup is editable) and change the selected folder at any time. You cannot select the *DGNA*, *Always Attached*, *Background* or *Smart Call* folder as your selected folder. You can only select a talkgroup that is editable.

## Selecting a folder

Use one of the following methods to select the current folder:

- ▶ From the Home screen, press **Menu** then select **Groups> Folders** to display the current selected folder containing the selected talkgroup.
- ▶ From the Home screen, press **Groups**. Depending on the customisation of your radio, either the current selected folder opens displaying all talkgroups within the folder, or the Talkgroup Selection box opens displaying the selected talkgroup and folder.

### To select a folder using the folder list:

1. From the Home screen, press **Menu**, then select **Groups > Folders** to open the current folder.
2. Press **Back** to navigate back 'up' the folders list.
3. Scroll to the folder (highlight it) and press **Options**, then scroll to the **Select** option and press **Select**.

**Note:** Only talkgroups which are valid for the current network are listed in the folder.

### To select a folder and talkgroup using the Talkgroup Selection box:

1. From the Home screen, press **Groups**. The current selected folder and talkgroup are displayed in the Talkgroup Selection box. Note that the selected talkgroup appears in bold typeface and an icon indicating the scanning priority and whether or not the talkgroup is scan-enabled (no icon appears for DMO talkgroups).



**Tip:** If you want to change to another talkgroup within the same folder, simply enter the number of the talkgroup.

2. Use the **Left and Right** navigation keys to move between folders at the same level. Use the **Up and Down** navigation keys to move between the folder levels (sub-folders).



Rotate the **Navi-knob** to scroll through the talkgroups within the currently selected folder. The directional arrows under the talkgroup name indicate the rotational direction of the **Navi-knob**.



3. Press **Select** to select the folder and attach to the talkgroup.

### To select a talkgroup:

The selected talkgroup within each folder only becomes your requested talkgroup when the folder is selected. Depending on the customisation of your radio, you will use one of the following methods to change the talkgroup.

**Tip:** You can only select a talkgroup that is editable.

### To select a talkgroup from the folder:

1. From the **Home** screen, press **Groups** to open the current folder. The selected talkgroup within the folder is indicated by the  icon.



2. Scroll to the talkgroup you want as your requested talkgroup and press **Select**. Selection is indicated by the  icon.

### **To select a talkgroup using the Talkgroup Selection box:**

1. From the **Home** screen, press **Groups**. The selected talkgroup and folder appear in the Talkgroup Selection box. The current talkgroup appears in bold typeface.
2. Rotate the **Navi-knob** to scroll through the talkgroups within the currently selected folder. The directional arrows under the talkgroup name indicate the rotational direction of the **Navi-knob**.



3. Press **Select** to attach to the talkgroup. The talkgroup appears in bold typeface. If you have selected a TMO talkgroup, an icon appears to the left of the talkgroup name indicating the scanning priority and whether or not the talkgroup is scan-enabled (no icon appears for DMO talkgroups).

# Emergency operation

The red button on the top of your radio can be programmed to initiate an Alarm call at any time when your radio is in operation. This button is known as the *Emergency Button*.

Your radio may be customised to perform one or more of the following:

- ▶ Initiate an Alarm call set up to one or more pre-defined users (typically to your dispatcher and other members of your talkgroup) and/or;
- ▶ Send an Emergency Status message to an individual, the dispatcher or a talkgroup and/or;
- ▶ Send a position report (GPS dependent).

If you are working in RF sensitive areas and have enabled Transmit Inhibit, prohibiting radio transmission, initiating an Alarm call will override the Transmit Inhibit feature and the Alarm call will be transmitted.

Your service provider or organisation can provide information on how your radio is customised for Alarm calls and how to operate your radio in emergency situations. If you are working in a sensitive environment your radio may be customised for Silent Alarm calls where audible and display alerts are disabled, or your radio may be customised for Live Microphone that allows you to call for assistance hands-free without pressing the PTT button.

## Live Microphone feature

Your radio may be customised with the Live Microphone feature. This feature allows you to broadcast a call for assistance hands-free for a specified period of time and without having to press the PTT button. The radio automatically cycles between transmit and receive communication during a programmed period of time (seconds). Live Microphone is cancelled when the time expires or by pressing the PTT button.

---

## Making an Alarm call

You can still make an Alarm call if the keypad is locked.

1. Press and hold (2 seconds) the **Emergency** button; a confirmation beep sounds.
2. Release the button and speak into the microphone.

During an Alarm call:

- ▶ the microphone is 'live' for a programmed period (seconds) allowing you to speak hands-free without pressing the PTT button (customisable)
- ▶ the LED illuminates solid red
- ▶ your radio sounds audible tones
- ▶ a large emergency symbol appears on the screen
- ▶ your identity and talkgroup appears on the display of those receiving the Alarm call

---

## Receiving an Alarm call

An Alarm call overrides any existing calls on the talkgroup.

You know you are receiving an Alarm call when:

- ▶ your radio sounds an audible tone
- ▶ the LED flashes red
- ▶ the emergency symbol appears on the screen
- ▶ your radio status changes to *Emergency*

---

## Clearing an Alarm call

You can only clear an Alarm call that you have initiated.

To cancel the Alarm call, press the **Clear** context key.

To cancel the Alarm call, press the **Call Clear** key, the **Clear** context key or the **Cancel/Home** key. Alternatively, your radio may be customised to use the **Emergency** button to cancel the Alarm call.

To cancel the Alarm call, press



**Warning:** Depending on which network is being used, if the TETRA Alarm call is a group call, then—although both of the TETRA Alarm call exit functions will clear the TETRA Alarm call on the call originator's radio—it will not remove the alarm from the system. Radios alerted to the emergency may, depending upon the infrastructure configuration, remain in the TETRA Alarm call condition until the dispatcher clears the call from the system.

When the Alarm call is cancelled, your radio returns to the talkgroup that was selected before the call was initiated.

---

## Power on Alarm call

If your radio is powered **off**, press and hold (3 seconds) the **Emergency** button to power **on** and initiate an Alarm call. Any customised Welcome screen is not displayed during power **on**. It may take several seconds for the radio to complete its power **on** process before initiating the Alarm call.

# Contacts

Details of regularly used contacts are stored in a phone book. The phone book has a series of folders labelled *Menu*, *Search*, *All* and *Personal*. Your radio may have additional folders containing contacts programmed into your radio during customisation.

The *Personal* folder contains contacts you create (personal contacts). This folder only appears when you create your first personal contact. The *All* folder contains both personal contacts and contacts programmed into your radio.

Each contact can have up to six associated numbers. The icon next to each contact indicates the dial mode, a radio  or to a  telephone, of the first number associated with it.

To open the Phone book, from the Home screen, press the **Menu** context key, then select **Phone > Contacts**.

To open the Phone book, select **Menu > Phone > Contacts**.

---

## Searching and filtering contacts

You can search the entire phone book for contact names and numbers, or filter the contacts within a folder by entering a search string into the *Search Bar* at the top of any folder (except *Menu*):

When the search is complete:

- ▶ the **Search** folder lists folders containing at least one entry containing the search string, and the number of entries in those folders. You can open any of the listed folders.
- ▶ all other folders are filtered to show their matching entries above a dotted line. All non-matching entries are listed below the dotted line.

## To search for contacts and numbers within the phone book:

1. Select **Menu > Phone > Contacts**. Navigate to the **Search** folder.
2. Press the **Up** navigation key to open the Search Bar.
3. Enter a search string (see [Text entry on page 36](#)) and press the **Search** context key.
4. When the search is complete, any folder containing a possible match to your search (and the number of possible matches within that folder) appear in the **Search** folder. To open a folder, select it and then press the **Open** context key.
5. To clear the search string, press the **Delete** context key to delete each character in the search string, then press the **Cancel** context key, then the **OK** context key.

## To filter contacts within a folder:

1. Open the folder.
2. Press the **Up** navigation key to open the Search Bar.
3. Enter a search string (see [Text entry on page 36](#)), then press the **Filter** context key.
4. Any contact in the folder that is a possible match to your search criteria appears at the top of the contact list. To view the contact's details, select the contact and press the **Open** context key.
5. To clear the search string, press the **Delete** context key to delete each character in the search string, then press the **Cancel** context key, then the **OK** context key.

---

## Creating contacts

### To create a contact:

1. Select **Menu > Phone > Contacts**.
2. Navigate to the **Menu** card and select **Create Contact**.

3. Enter the contact name (see [Text entry on page 36](#)) then press the **Save** context key.
4. Select a dial mode for this contact, either TETRA Network (default) or telephone/mobile network.

To change the dial mode, press the **Up** navigation key to select the dial mode line then use the **Left** or **Right** navigation keys to switch dial modes. Press the **Down** navigation key to continue entering the number.

**Note:** If the message *Wrong number type* appears, change the dial mode or check that the length of the number is between 5 and 8 numbers.

5. Enter the number (see [Text entry on page 36](#)) then press the **Save** context key.
6. To add more phone numbers for the contact select **Add Next Number** and repeat the previous step.

**Tip:** To add further contact numbers to a saved contact, open the contact and select **Add New Number** at the end of its numbers list.

7. To return to the Personal folder press the **Cancel** context key.

---

## Editing contacts

You can edit (and delete) contacts in the *Personal* folder of the Phone book.

### To edit personal contacts:

1. Select **Menu > Phone > Contacts** and then select the **Personal** folder.
2. Navigate to the contact you want to edit, then press **Open**.

### To edit the name:

1. Select the name and then press **Edit**.
2. Make changes as required, then press **Save**.

### **To edit a number:**

1. Select the number and then press **Options**. Select **Edit** and press **Select**.
2. Make changes: to add additional digits press the number keys; to delete digits press the **Left** navigation key.
3. After making changes press **Save**.

### **To delete a contact:**

1. Select the contact and press **Open**.
2. Press **Options**.
3. Select **Edit > Delete contact**, then press **Select**.

# Calls

The various types of voice and data calls that are supported by your radio, and the acoustic and visual alerts that accompany a call, depend on your radio's customisation.

---

## Group calls

Group (*point-to-multipoint*) calls are calls where you talk to other users within a nominated group of radio users (a talkgroup). In a group call only one person can talk at any one time (known as *half-duplex* mode).

During group calls the microphone at the top of your radio is active and all received audio is routed to the loudspeaker.

### Making a group call

1. Press and hold the **PTT** button and speak into the top microphone.

The LED changes to solid red to indicate that your radio is transmitting, and an audible tone is heard and your radio status text changes to 'Talk'.

2. When you have finished talking, release the **PTT** button and listen to audio received, through the loudspeaker.

The LED changes to solid green whilst the group call is active and your radio status text changes to 'Group Call'.

3. When you have finished your call, press the **Clear** context key.

### Receiving a group call

When a group call is received, your radio status changes to 'Group Call'. The name of the talkgroup, talkgroup folder and the caller's ID are displayed.

---

## Individual calls

Individual calls (*point-to-point*) are private calls between you and one other person. You can make individual calls in two modes:

- ▶ individual calls (half-duplex mode)—where only one person can talk at a time using the **PTT** button.
- ▶ individual 'phone' calls (full-duplex mode)—where both parties can talk simultaneously.

### Making individual calls (half-duplex mode)

#### Calling a contact:

1. Select **Menu > Phone > Contacts** to open the contacts menu.
2. Navigate to a contacts folder (such as the *All* folder) and select your contact. Press the **Open** context key, then choose the phone number.
3. Press the **PTT** button to initiate the call (or press **Options**, select **Dial** then press **Select**).
4. To speak, press the **PTT** button; release the PTT button to listen.
5. To end the call, press the **Clear** context key or the **Cancel/Home** key.

#### Calling by dialling:

1. From the Home Screen, dial the number of the person you are calling.
2. Press the **PTT** button to initiate the call (or press the **Call** context key).
3. To speak press the **PTT** button; release the PTT button to listen to the other radio users.
4. To end the call, press the **Clear** context key.

### Receiving individual calls (half-duplex)

1. Press the **PTT** button to answer the call or the **Clear** context key to reject the call.

## Making individual phone calls (full-duplex mode)

### Calling a contact:

1. Select **Menu > Phone > Contacts** to open the contacts menu.
2. Navigate to a contacts folder (such as the *All* folder) and select your contact. Press the **Open** context key, then choose the phone number.
3. To initiate the 'phone' call press the **Dial** context key.
4. To end the call, press the **Clear** context key .

### Calling by dialling:

1. From Home Screen, dial the number of the person you are calling.
2. Press **Send** to initiate the call.
3. To end the call, press **Clear**.

**Note:** If your radio has been customised with a single dial mode for TETRA, PBX and PSTN numbers, the dial mode icon cannot be changed.

## Receiving a phone call

When an incoming phone call is received, your radio sounds an audible alert and displays the identity of the caller (if the contact or number is stored in your phone book).

1. Press the **Accept** context key to answer the call. Press the **Reject** context key to reject the call.
2. To end the call, press the **Clear** context key .

# Text entry

Writing and editing text on your radio is similar to most Smartphones. *Text edit* mode is automatically activated when you select certain functions, such as creating a message or adding a contact to your phone book.

---

## Character sets

You can use character sets to change the style of the text, and to enter numbers and special characters. The character set can be changed as often as required when entering text. The following character sets are supported:

| Character set             | Description                                                                                                                                                                                                                               |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Auto-capitalisation (Abc) | The first letter is entered in upper-case, with all following characters in lower-case. New sentences start with a capital letter and end with a full stop (.), question mark (?) or exclamation mark (!) followed by one or more spaces. |
| Upper case (ABC)          | All characters are entered in upper-case.                                                                                                                                                                                                 |
| Lower case (abc)          | All characters are entered in lower-case.                                                                                                                                                                                                 |
| Numeric (123)             | All characters are numbers.                                                                                                                                                                                                               |
| Special characters(!.@)   | You can select special characters such as full stops (.), semi-colon (;) and commas (,) by pressing the 0 key. Further special characters # @ ! " £ \$ % & ' ( ) * + - are available on the # key.                                        |

The selected character set is indicated on the status line at the top of the display.

### **To change the character set:**

Press the Star (\*) key during text entry.

### **To enter characters:**

Press a key repeatedly to highlight a character in its Character Selection Box at the bottom of the screen, then press the **Select** context key (or wait for the character to be auto-inserted).

### **To delete a character:**

To delete the character to the left of the cursor press the **Delete** context key.

### **To enter special characters:**

To insert punctuation (*full stop, comma, or semi-colon*) press zero (0) repeatedly until the symbol is highlighted in the Character Selection Box, then press the **Select** context key (or wait for the character to be auto-inserted).

To insert a *space* press 1 (on the keypad).

To insert symbols press the hash(#) key repeatedly until the symbol is highlighted in the Character Selection Box, then press the **Select** context key (or wait for the character to be auto-inserted).

# Features

Your radio can be customised for various advanced features and can have various soft keys assigned to frequently used features.

---

## Connector Protector

When working in salt water environments or in an area with high salt-laden humidity such as sea mist or fog, enabling the Connector Protector feature will protect the Digital Accessory connector (sDAC) from potential corrosive damage when an accessory is not attached.

**Note:** A cover must be fitted to the Rugged Accessory Connector (RAC) (on the side of the radio) if an accessory is not attached.

### To enable Connector Protector:

1. Press **Menu** then select **Options > Settings > Connector Protector**.
2. To toggle protection on/off press the **Toggle** context key. When the **CP Enable** check box is ticked, Connector Protector is enabled, and when the check box is empty it is disabled.

If Connector Protector is enabled (  ) when the radio is powered **off**, it will remain enabled when the radio is next powered **on** unless the radio is in a charger or car kit or if a data accessory is attached when the radio is powered **on**, in which case Connection Protector is disabled (  ) until the radio is removed from the charger, car kit or data accessory. In these circumstances it is not necessary to re-enable Connector Protector.

---

## User profiles 1

User profiles are pre-set combinations of alerts and settings on your radio. They allow you to switch settings easily to match your circumstances or environment. An icon  1 showing the number of the profile selected, appears on the status line or the Shortcut Bar. Up to ten pre-defined user

profiles may be configured for your radio. Example user profiles could be *Normal*, *Lone Worker* and *Covert*.

### To change the user profile:

1. From the Home screen, press the **Groups** context key 3 times ( **User Profiles**).
2. Use the navigation keys or the **Navi-knob** to scroll through the user profiles.
3. Press the **Select** context key to activate the selected user profile.

---

## Man Down

Man Down is a licensed customisable feature which uses motion sensors to detect motion in three dimensions. When your radio is powered on it stores it's current angle of inclination (orientation). If it moves more than a customised angle from the original inclination or is stationary for more than a customised length of time, the radio sounds an alarm and displays a 'Man Down Alarm' message. In other words the radio can detect conditions indicating that you have become incapacitated. If you do not respond to the alert within a customised time period, your radio initiates a Man Down Emergency and takes action depending on its customisation.

### To toggle Man Down on/off:

1. Activate Man Down using one of the following methods:
  - ▶ Press a customised soft key to toggle Man Down on. The sensors activated are those set in [Man Down options on the next page](#).
  - ▶ Select a user profile which uses Man Down (see [User profiles on the previous page](#)). The sensors activated are those customised in the profile.
  - ▶ From the Home screen, press the **Shortcut** context key, then select the Man Down icon.

A message ('Man Down Starting') is displayed and an alert sounds (a succession of beeps).

2. Attach your radio in a comfortable wearing position on your body. When a two second continuous tone finishes the radio's 'normal' wearing position has been recorded. An icon indicates that Man Down is switched on and which sensors are active.

To deactivate Man Down, either select a user profile which does not use Man Down, or press the customised soft key to toggle Man Down off.

## Man Down options

1. Press **Menu** then select **Applications > Man Down**.
2. Select the Man Down sensors to use:  **Motion & Tilt** sensors,  **Motion Sensor** only, or  **Tilt Only** sensor.

If you enable Man Down from a User Profile, the Man Down Settings screen updates to reflect the sensors defined as active in the Profile.

---

## Lone Worker

If you are working alone you can use the *Lone Worker* feature to let your dispatcher know that you are safe.

When Lone Worker is enabled your radio periodically sounds an alert which you must acknowledge—usually by pressing a pre-programmed key—otherwise the radio sends an emergency status message to your dispatcher.

To enable Lone Worker, scroll to a user profile which has **Lone Worker** enabled, then press the **Select** context key. See [User profiles](#) on page 38.

To disable Lone Worker mode, repeat the process and choose a different user profile.

# Messages

Your radio supports  *status* messages,  *text* (SDS) messages and  *picture* messages. All message types are available from the **Messages** menu.

---

## Inbox

Incoming messages are displayed in the *Inbox* with the most recently received messages at the top. Unread messages appear in **Bold**. The icon next to the message indicates the type of message received and whether the message is read or unread.

The Inbox can store up to 50 messages. When the Inbox is full, unsaved older messages are automatically deleted when new messages are received. If you want to keep a message, you must save it.

To open your inbox, from the Home screen, press the **Menu** context key, then select **Messages > Inbox**. A shortcut to your Inbox may be available from the Shortcut Bar, see [Shortcut Bar on page 19](#).

---

## Create a text message

To create a text message, from the Home screen, press the **Menu** context key, then select **Messages > Create Message**. Write your message (see [Text entry on page 36](#)).

To send your message, see [Send a message on the next page](#).

---

## Read a new message

When a message is received your radio vibrates and/or generates an audible alert. A notification appears in the Shortcut Bar, see [Notifications on page 20](#) and the blue LED flashes.

To read a new message, open your Inbox (**Messages > Inbox**). To open the message, select it and press the **Open** context key. To read a long

message use the **Down** navigation key to continue reading, and the **Up** navigation key to return to the top of the message.

When you have finished reading the message, you can choose to reply to the message (see [Reply to a message below](#)), delete it or save it.

- ▶ To delete the message, press the **Options** context key, select the **Delete** option and press the **Select** context key. Select the **Delete Message** option and press the **Select** context key.
- ▶ To save the message, press the **Options** context key, select **Save** and then press the **Select** context key.

---

## Reply to a message

You can only reply to a text message.

To reply to a message, press the **Reply** context key. Write your message and when you have finished entering text, press the **Send** context key. For information on how to send your message, see [Send a message below](#).

---

## Send a message

Your service provider or organisation may customise your radio with a default destination, for example when you reply to a message it is sent to your Supervisor or Dispatcher. Other options allow you to send your message to your current talkgroup or a contact in your phone book or a known contact by dialling their number (ISSI).

To send to your default destination, select **Send to default** and then press **Send**.

To send to your talkgroup, select **Send to group**. The details of your current talkgroup appear. You cannot change the talkgroup. Press the **Send** context key to send your message.

To send to a contact in your phone book, select **Phonebook** then select your contact and the destination number (see [Contacts on page 29](#)). Press **Send** to send your message.

To dial the number of a known contact, select **Dial**. Enter the ISSI (Individual Short Subscriber Identity) for your contact and press the **Send** context key.

---

## Send a status message

Your service provider or organisation may customise your radio with status messages. These are pre-defined short messages that are uniquely identified by a status code. They are used to notify others of your current status.

To send a status message, from the Home screen press the **Groups** context key 2 times. Use the navigation keys to scroll through your status messages. To send the message, press the **Send** context key. See [Send a message on the previous page](#).

# Personalising your radio

You can personalise your display settings (such as text size, backlight, inverting the screen and change languages) and create a personal phone book containing your own contacts.

---

## Invert the display

When you are wearing the radio on your shoulder, attached to a belt or to a body vest, you may want to flip the display upside down to make it easier to read. The Invert Display option rotates all screen elements by 180 degrees.

### To invert the display:

1. Select **Menu > Options > Settings > Display Settings > Invert Display**.
2. Press the **Toggle** context key. When a tick appears in the check box, the display is flipped, and when the check box is empty the display is set to normal.

**Note:** When the display is inverted, the navigation keys work in opposite to their normal function. Press the **Up** key to scroll *down* and the **Down** key to scroll *up*. The **Right** key to scroll *left* and the **Left** key to scroll *right*.

---

## Adjusting the backlight

When a call or message is received, and when you press any key, the backlight lights up the display and keypad. The length of time the backlight illuminates is set during customisation.

### To adjust the backlight:

1. Select **Menu > Options > Settings > Display Settings > Backlight**.
2. Press the **Toggle** context key.

## To adjust brightness:

1. Select **Menu > Options > Settings > Display Settings > Day/Night Mode**.
2. Select **Backlight Level**.
3. Rotate the **Navi-knob** to adjust the intensity of the backlight and the keypad illumination on a scale of 1–7 (max.).

---

## Day/Night mode

When a call or message is received, and when you press any key, the backlight lights up the display and keypad. A bright display can be a potential distraction, particularly when driving at night or in poor lighting conditions. Day/Night mode lets you adjust the intensity of the backlight and keypad illumination to suit your working conditions. Night mode reduces the glare from the display, making it ideally suited for night time use.

When the preferences for day and night mode have been set, switching between the modes automatically adjusts the backlight and display settings.

## To change Day/Night mode settings

1. Select **Menu > Options > Settings > Display Settings > Day/Night Mode**.
2. Scroll to each option (highlight it) to make your adjustments:
  - ▶ **Day Mode**—to toggle between Day Mode and Night Mode press the **Toggle** context key.
  - ▶ **Backlight Enabled**—to toggle the backlight on/off press the **Toggle** context key. When a tick appears in the box, the backlight is on, and when the box is empty, the backlight is off.
  - ▶ **Backlight Level**—to adjust the intensity of the backlight and the keypad illumination on a scale of 1 to 7 .

---

## Adjusting text and icon size

Your radio uses the default size for the text and icons set during customisation, however it also supports a number of different size modes that control how text and icons are displayed, which can make them easier to see from a distance.

**Caution:** When selecting larger modes, some prompts or icons may not appear on the radio display.

Your radio supports the following modes:

**Normal Mode** allows the maximum amount of information available to be displayed in a compact character size.

**Large Mode** displays screen information in a large character size.

**Very Large Mode** displays the talkgroup number or talkgroup name, as customised, in an extra large size on the Home screen with all other screens in Large mode.

**Custom** displays the Home screen, menu and WAP browser in predefined text sizes set during customisation. Only the Home screen supports Very Large mode, with other screens set to either Normal or Large mode.

### To change text mode:

1. Select **Menu > Options > Settings > Display Settings > Text Size**.
2. Use the **Up and Down** Navigation keys to highlight the mode and then press the **Select** context key.

The radio displays the Home screen, with the text and icons appearing in the chosen mode.

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## Setting the display language

Your radio operates in the language chosen during customisation and can support two display languages. The display uses the default

language if the radio is only customised for a single language, or the currently selected language if two languages are programmed.

**To change the language:**

1. Select **Menu > Options > Settings > Language**.
  2. Scroll to the language option, and then press the **Select** context key.
- The Home screen appears and the display shows the selected language.

# Tips & Tricks

## Home Screen

To quickly get back to the Home Screen, press and hold (2 seconds) the **Cancel/Home** key.

## Keypad lock/unlock

To quickly lock/unlock the keypad, press and hold (2 seconds) the \* (star) key.

## Change talkgroup

From the Home screen, press the **Groups** context key. Use the navigation keys to change the folder, then rotate the **Navi-knob** to select the talkgroup. Press **Select** to attach to the talkgroup.

## Send status message

From the Home screen, press **Shortcut** to open the Shortcut Bar. Scroll to the **Quick Status** shortcut and press **Select**. Use the navigation keys to scroll through the messages. Press **Send** then choose a destination for the message. See [Send a message on page 42](#)

## Writing text

**To change character sets:** press the Star (\*) key during text entry.

**To delete a character to the left of cursor:** select **Delete**.

**To add punctuation (*full stop, comma, or semi-colon*):** press zero (0).

**To insert a *space*:** press 1 (on the keypad).

**To insert symbols:** press the hash(#) key repeatedly until the symbol is highlighted in the Character Selection Box, then press **Select** (or wait for the character to be auto-inserted).

## Select and cancel functions

To select and cancel functions within the sub-menus, you can press the **Select/Send** key to select a function and the **Cancel/Home** key to cancel a

function.

### **Automatic scrolling using the navigation keys**

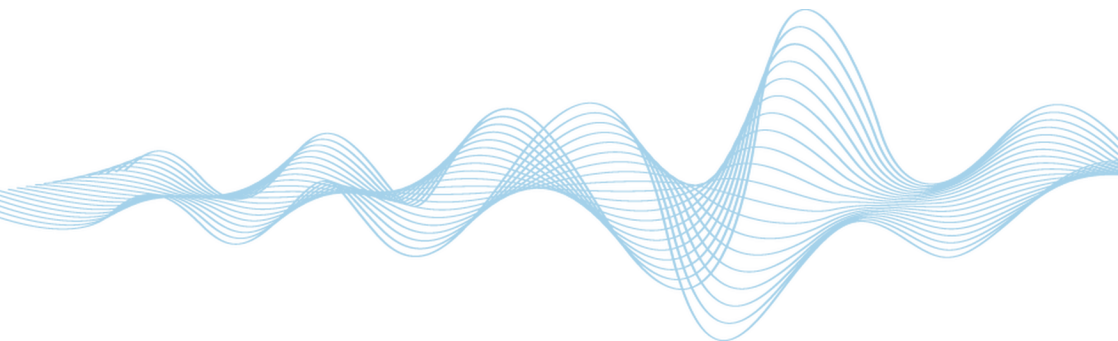
To scroll a list quickly, press and hold the **Up** or **Down** navigation key.

### **Making a phone call**

Instead of using the context keys to initiate and end a call, use the **Select/Send** key to make a call and the **Cancel/Home** key to end the call.

### **View recent calls**

To view recent calls, from the Home screen press **Menu > Phone > Call History**.



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