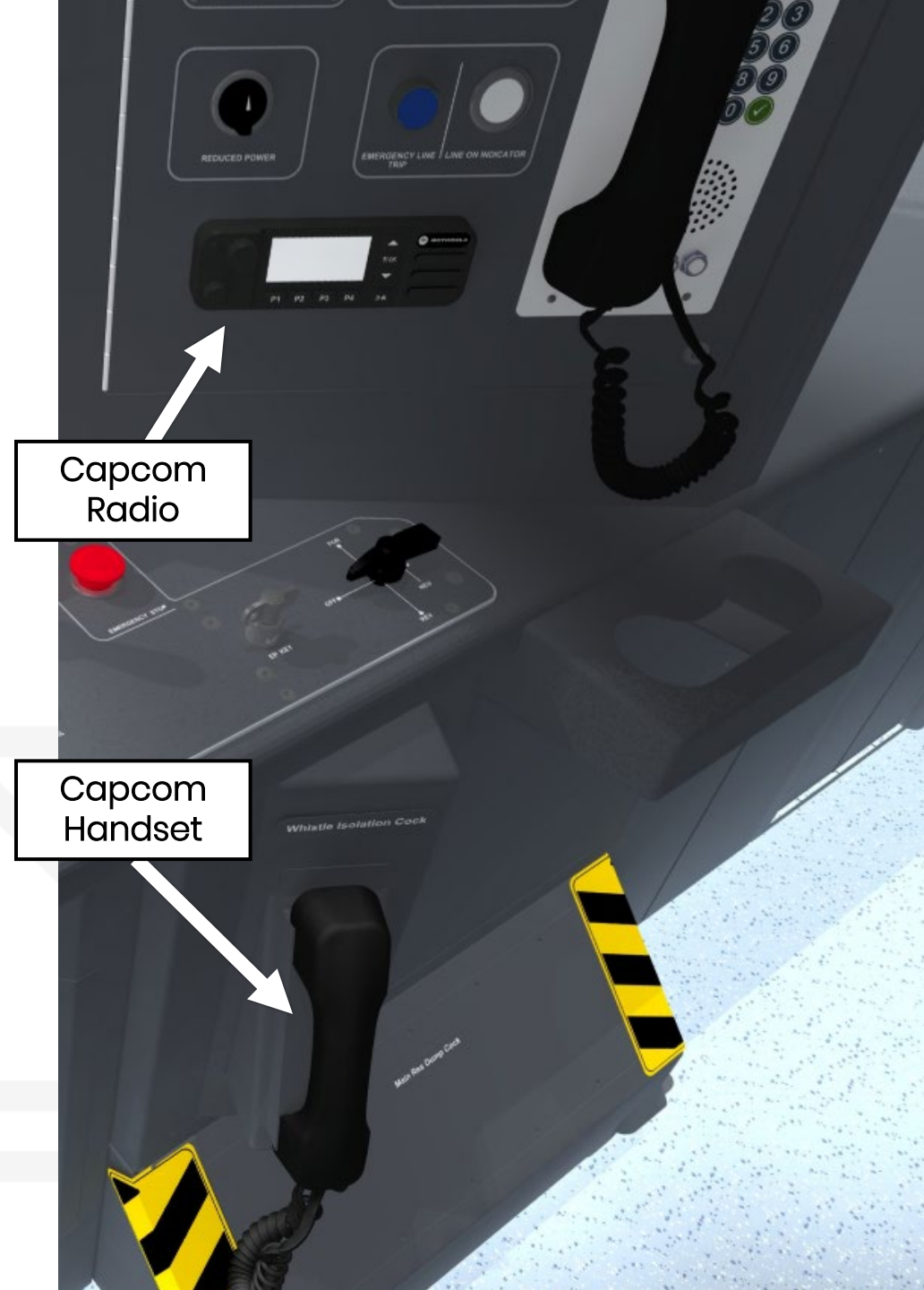


Radio & Handset

To facilitate emergency and instructional communications between the Driver and Signaller, a Motorola Capcom Radio is installed in each Driver's cab.

The Capcom Radio is installed in the central pillar next to the Train FX system

The Capcom Handset is located below the Driver's desk within easy reach.



Capcom
Radio

Capcom
Handset

Equipment Overview

Identifying Radio Controls

Cab Radio Display-Head

Manual Power
button On/Off

Volume Control

Display



Microphone Socket (Not Utilised,
for testing purposes only)

Speaker

Equipment Overview

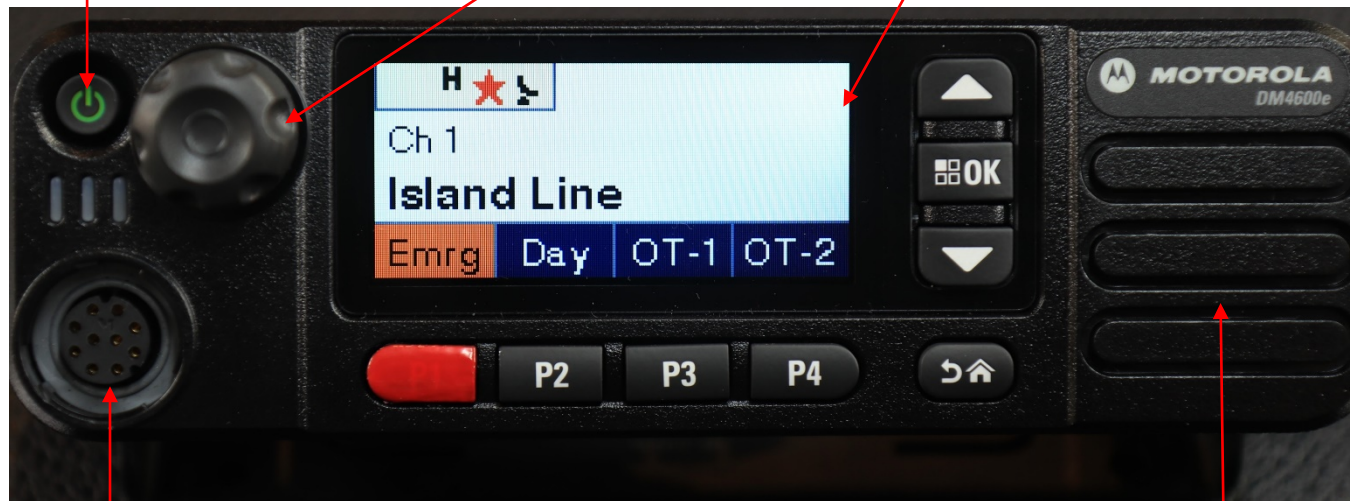
Identifying Radio Controls

Cab Radio Display-Head

Manual Power
button On/Off

Volume Control

Display



Microphone Socket (Not Utilised,
for testing purposes only)

Speaker

Button Configuration



Capcom can program the programmable buttons as shortcuts to radio functions or up to a maximum of six (functions depending on the duration of a button press):

P1 – Emergency Call - activate call to signaller.

P2 - Display Mode – Toggles the day/night display mode.

P3 - One Touch Access – Directly initiates a predefined Quick Text message menu.

P4 - One Touch Access – Signaller Call – Provides direct access to the contacts list (Signaller) to activate call to signaller.

Menu Navigation Buttons: Press OK To access the menu,

Press the appropriate Scroll Up/Down button to access the menu functions.



LED Configuration

- Solid Green: Transmitting
- Solid Yellow: Enter Permanent Monitor or Private Call
- Flashing RED: Receiving Emergency Alarm



- Red
- Yellow
- Green


Display Information

Received Signal Strength Indicator (RSSI)

The number of bars displayed represents the radio signal strength. Four bars indicate the strongest signal. This icon is only displayed while receiving.

-  **Emergency**
Radio is in Emergency mode.
-  **Notification**
Notification list is not empty.

 **GPS Available**
The GPS feature is enabled. The icon stays lit when a position fix is available.

 **GPS Not Available/Out of Range**
The GPS feature is enabled but is not receiving data from the satellite.



L or H Power Level




Radio is set at Low power or Radio is set at High power.

Power levels will be pre-programmed into the radio via software. The radios will be programmed to high power (H) for Island Line system.

Button Configuration

Mini Notice Icons

The following icons appear momentarily on the radio's display after an action to perform task is taken.

-  **Successful Transmission (Positive)**
Successful action taken.
-  **Failed Transmission (Negative)**
Failed action taken.
-  **Transmission in Progress (Transitional)**
Transmitting. This dynamic icon is seen before indication for Successful Transmission or Failed Transmission.

Telephone Handset & Stowage



The handset comprises of two parts, cradle and handset. When not in operation the handset will mount on the cradle fixing. The operator will lift the headset to use and reattach once conversation has been completed.

Receive audio will be present from the cab radio display head speaker and handset speaker at all times, this includes notifications and calls. The cab radio display head speaker can be adjusted via the volume control, the handset speaker is set at a fixed level.

Radio Operation



Driver Key Power Up.

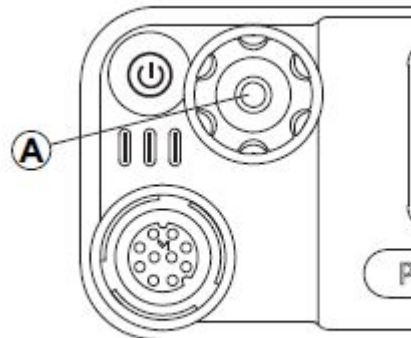
Ignition (Drivers key) will automatically switch on with the drivers' key. You see MOTOTRBO (TM) on the radio's display momentarily, followed by a welcome message or welcome image. The green LED and the Home screen lights up. A brief tone sounds, indicating that the power up test is successful.

Manual Power Up.

Press the On/Off Button briefly. You see MOTOTRBO (TM) on the radio's display momentarily, followed by a welcome message or welcome image. The green LED and the Home screen lights up. A brief tone sounds, indicating that the power up test is successful.

Volume Adjustment.

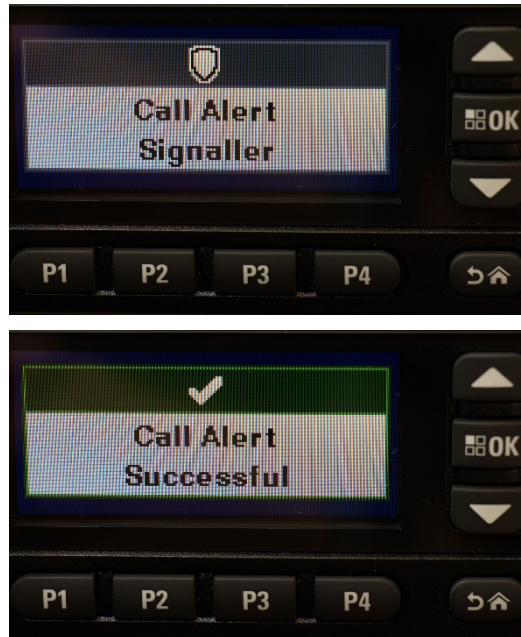
To increase the volume, turn the Volume/Channel Knob (A) clockwise. To decrease the volume, turn this knob counter clockwise.



Making Calls to Signaller

Standard Signaller Call

Press P4 The Private Call icon appears in the top right corner. The first text line shows the caller alias. The second text line displays the call status for a signaller Call.



1. Hold the handset 2.0cm to 4.0 cm from your mouth.
2. Press the handset PTT (Push – To – Talk).
Wait for the Talk Permit Tone to finish and speak clearly into the microphone.
3. Release the PTT (Push – To – Talk) button to listen.

[Click To Play Clip](#)

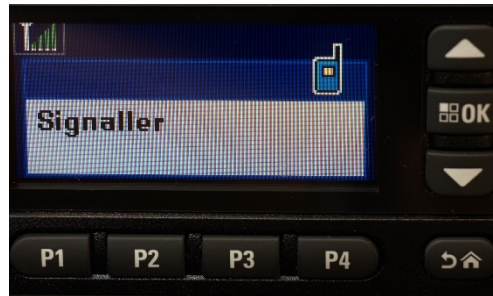


Receiving Calls from Signaller

Standard receiving Signaller Call

When receiving a call from signaller

- The radio will display signaller notification
- Audio ring tone will occur
- Yellow LED will flash



Answering Call-

1. Hold the handset 2.0cm to 4.0 cm from your mouth.
2. Press the handset PTT (Push – To – Talk).
Wait for the Talk Permit Tone to finish and speak clearly into the microphone.
3. Release the PTT (Push – To – Talk) button to listen.

Click To Play Clip



Making Emergency Calls

(Please Note Alarm Procedure has not be finalised and is subject to change)

Making a Call Alert with the One Touch Access Button Press P1

One Touch Access button to make a Call Alert to the predefined alias or ID (Signaller).

The display shows Call Alert and the subscriber alias or ID, indicating that the Call Alert has been sent. The LED lights up solid green when your radio is sending the Call Alert. If the Call Alert acknowledgement is received, the display shows positive mini notice. If the Call Alert acknowledgement is not received, the display shows negative mini notice.

On acknowledgment from signaller follow the standard call procedure.

1. Hold the handset 2.0cm to 4.0 cm from your mouth.
2. Press the handset PTT (Push – To – Talk).
Wait for the Talk Permit Tone to finish and speak clearly into the microphone.
3. Release the PTT (Push – To – Talk) button to listen.

Exiting Emergency Call




After Sending the Emergency Alarm Your radio exits Emergency mode when one of the following occurs: • Emergency Alarm acknowledgement is received (for Emergency Alarm only).

- All retries to send the alarm have been exhausted.
- The Emergency Off button is pressed



Mini Notice Icons

The following icons appear momentarily on the radio's display after an action to perform task is taken.

-  **Successful Transmission (Positive)**
Successful action taken.
-  **Failed Transmission (Negative)**
Failed action taken.
-  **Transmission in Progress (Transitional)**
Transmitting. This dynamic icon is seen before indication for Successful Transmission or Failed Transmission.

Receiving Emergency Calls

(Please Note Alarm Procedure has not be finalised and is subject to change)

On receiving an emergency alarm the emergency icon appears, a tone sounds, the LED blinks red and the radio displays the emergency caller alias. If more than one alarm has occurred all emergency caller aliases are displayed in an Alarm List. When receiving an emergency alarm, do one of the following: • If a single emergency call alias is displayed, press to view more details. press again to view your action details.

On receiving alarm message, follow the standard call procedure.

1. Hold the handset 2.0cm to 4.0 cm from your mouth.
2. Press the handset PTT (Push – To – Talk).
Wait for the Talk Permit Tone to finish and speak clearly into the microphone.
3. Release the PTT (Push – To – Talk) button to listen.

Your radio exits Emergency mode when:
The Menu OK button is pressed.

<End of Section>

