

## Handset keys and its functions

### A Distress

A Distress call is broadcast to all DSC equipped radios, so it will create an alarm on every DSC radio within range. If position information is available, it will be included in the transmission.

Short press to commence a distress call. Nature of the distress can be selected from the list. Long press to initiate an immediate 'undesigned' distress call.

### B 16 / 9

Short press to change to the priority channel CH16. Press again to return to original channel. Long press to make Channel 09 the priority channel (US/CAN country mode only).

### C X / POWER

Short press in menu mode to EXIT when navigating menus, to clear incorrect entries, to exit from a menu without saving changes, and to back up to the previous screen.

Short press in menu mode to change the backlight setting. Long press to turn the radio system ON/OFF.

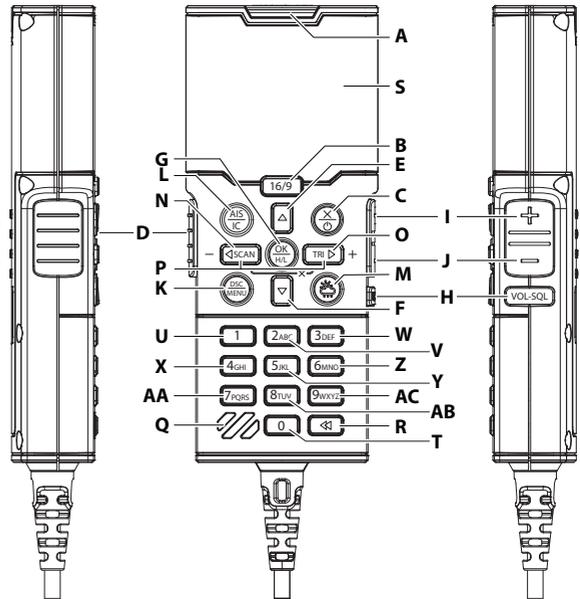
→ **Note:** The radio system can only be turned ON from any fixed handset (F1-F4).

→ **Note:** When the radio system is ON:

- The radio system can only be turned OFF from the fixed handset 1 (F1).
- Long pressing the X/POWER key from the fixed handset (F2-F4) will turn that handset OFF. Long pressing the X/POWER key from the wireless handset (W1-W4) will turn that handset OFF/ON.

### D PTT (Push-to-talk)

Press key to transmit. Only depress for duration of message to be broadcast. The radio can't receive while PTT is pressed (transmitting).



## E ▲ (Channel UP)

Short pressing the ▲ key increases one channel.

Long pressing the ▲ key will, after a short delay, step rapidly through the channels.

→ **Note:** You can also directly select a channel by typing the channel number on the keypad.

→ **Note:** The ▲ key is also used for menu scrolling, editing, and backlight level adjustment.

## F ▼ (Channel DOWN)

Short pressing the ▼ key decreases one channel.

Long pressing the ▼ key will, after a short delay, step rapidly through the channels.

→ **Note:** You can also directly select a channel by typing the channel number on the keypad.

→ **Note:** The ▼ key is also used for menu scrolling, editing, and backlight level adjustment.

## G OK / HL

Short press to make selections in the menus.

Long press to toggle transmission power between HIGH (25 W) or LOW (1 W) for the entire channel bank. The HI or LO selection is displayed on the screen.

→ **Note:** Some channels allow only low power transmissions. Error beeps will sound if attempting to change the transmission power while on one of these channels. Some channels allow only low power transmissions initially, but can be overridden to high power by pressing (and holding) H/L after depressing PTT. Keep the H/L key pressed down after releasing the PTT key, if wanting to transmit again on high power.

## H VOL / SQL selector

Short press to toggle between Volume or Squelch control. The selected control is indicated by a small triangular arrow above the level bar for each option on the display. Use the + and - keys to adjust.

→ **Note:** The volume control is common to internal and external speaker.

Long press to open the SHORTCUTS menu.

## I +

Short press to increase the selected control (Volume and Squelch).

## J -

Short press to decrease the selected control (Volume and Squelch).

## **K DSC / MENU**

Short press to enter the DSC Call Menu and make DSC calls.

Long press to open the MENU SELECT page.

## **L AIS / IC**

Short press to enter the AIS (Automatic Identification System) mode (NRS-2 only; no function on NRS-1).

Long press to enter Intercom / Hailer / Fog Horn / Announce mode.

## **M Weather**

Short press (US/CAN country mode): to hear the most recently selected NOAA/ Canadian weather station. For non US/CAN country modes, it changes channel to user programmed choice. When in ATIS mode, it will select CH10.

Long press (non US/CAN country mode): to store current channel as the weather, local harbor or preferred channel.

## **N ◀ / SCAN / -**

- Menu mode: Short press to move the cursor one character to the left.
- Normal radio mode: Short press to enter ALL SCAN mode. Long press to enter the SCAN menu.
- AIS mode (NRS-2 only): Short press to decrease (zoom in) the scale of the AIS plotter out one range at a time. The scales available are: 1, 2, 4, 8, 16, 32 nm.

## **O ▶ / TRI / +**

- Menu mode: Short press to move the cursor one character to the right
- Normal radio mode: Short press to start DUAL WATCH or TRI WATCH (if 'watch' channel set). Long press to set the current channel as the watch channel.
- AIS mode (NRS-2 only): Short press to increase (zoom out) the scale of the AIS plotter in one range at a time. The scales available are: 1, 2, 4, 8, 16, 32 nm.

## **P MOB (SCAN+TRI)**

Long press both keys simultaneously to mark the current location with a Man-Over-Board (MOB) waypoint.

## **Q Speaker and MIC (Microphone)**

Location on the handset for the speaker and microphone.

## **R Voice Recorder Playback**

Short press to replay the last 60 seconds of VHF radio traffic

Long press to open the Voice Recorder menu

## **S LCD (Display)**

## **T Alphanumeric keys (0-9)**

Press to enable different key functions depending on the radio mode.

## Alphanumeric keys and its functions

Depending on the mode the radio is in, the alphanumeric keys on the handset provides additional functionalities.

- NORMAL mode** - System is in standby:
  - Short press to enter a numeric digit (i.e. channel number).
  - Long press to open a predetermined function or menu.
- DATA INPUT mode** - Entering data in a menu:
  - Short press to enter a numeric digit. Subsequent presses enters a letter. The displayed letter is accepted after a short pause, or on pressing a different key.
- INTERCOM mode** - System is in Intercom mode:
  - Short press to make a direct call to another intercom station.

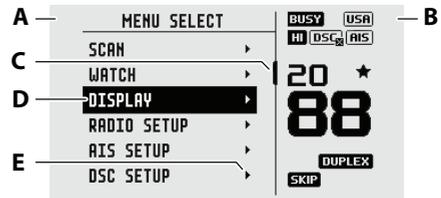
Key	Mode	Short press	Long press
0	Normal	0	Hailer mode menu
	Data input	0	(blank character/space)
	Intercom	Call all IC stations	All PA announce tone
1	Normal	1	Horn mode menu
	Data input	1	n/a
	Intercom	Direct call to Handset-1	n/a
2 <sup>ABC</sup>	Normal	2	Alarms config. menu
	Data input	2, A, B, C	n/a
	Intercom	Direct call to Handset-2	n/a
3 <sup>DEF</sup>	Normal	3	Speaker setup ON/OFF
	Data input	3, D, E, F	n/a
	Intercom	Direct call to Handset-3	n/a
4 <sup>GHI</sup>	Normal	4	Diagnostics - Handsets
	Data input	4, G, H, I	n/a
	Intercom	Direct call to Handset-4	n/a
5 <sup>JKL</sup>	Normal	5	Position display
	Data input	5, J, K, L	n/a
	Intercom	Direct call to Handset-5	n/a
6 <sup>MNO</sup>	Normal	6	Navigation mode
	Data input	6, M, N, O	n/a
	Intercom	Direct call to Handset-6	n/a

7 PQRS	Normal	7	Speakers config. menu
	Data input	7, P, Q, R, S	n/a
	Intercom	Direct call to Handset-7	n/a
8 TUV	Normal	8	AIS Silent mode menu
	Data input	8, T, U, V	n/a
	Intercom	Direct call to Handset-8	n/a
9 WXYZ	Normal	9	My channels
	Data input	9, W, X, Y, Z	n/a
	Intercom	n/a	n/a

## The Radio menu

Long press the DSC/MENU key to open the main Menu page.

- A** Split screen display: **Main Menu** - select an option from the Menu to setup or modify settings.
  - B** Split screen display: **Channel region** - displays the radio frequency information.
  - C** Scroll bar indicates additional options above or below displayed Menu text.
  - D** Current menu item selected is highlighted.
  - E** Arrow indicates additional sub-menu items for the menu option.
- **Note:** Press the X/POWER key to step backwards to the previous menu page, or exit the menus completely. Press the OK/HL key to make selections in the menu.

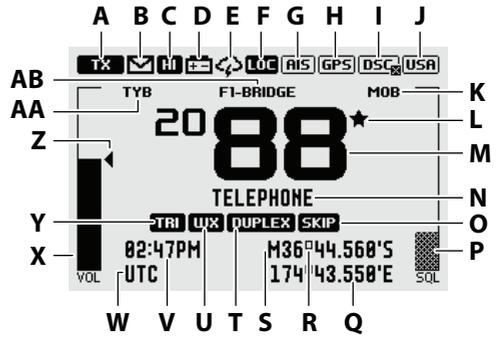


## Entering an alphanumeric character

- Press the ▲ and ▼ keys to scroll through the alphanumeric characters, or use the handset's keypad to enter texts (e.g. press the **5 key** twice to enter the letter **K**).
- Press the **OK/HL** key to select and step to the next character.
- Press the **DSC/MENU** key to step backwards.
- Press the **X/POWER** key to cancel entry and return to the previous menu.

# The Handset display

- A** Radio is Transmitting (TX) mode, will change to BUSY when receiving.
- B** Missed call in the DSC call log
- C** Channel is set to high power transmit
- D** Low vessel voltage alert
- E** Weather alert function is enabled (USA models)
- F** Sensitivity mode is set to LOCAL
- G** AIS receiver is enabled (NRS-2 only)
- H** Internal GPS is enabled, with 3D fix
- I** DSC functionality is enabled, but auto-switch is OFF
- J** The USA channel bank is active
- K** MOB waypoint is active
- L** Current channel saved in 'My Channels'
- M** Channel number (2 or 4 digits)
- N** Channel name
- O** Current channel will be skipped during a scan
- P** Squelch level indicator (greyed out means control is not active)



- Q** Longitude
- R** Latitude
- S** GPS Manual mode is active
- T** Current channel is a Duplex channel
- U** Current channel is set as the Weather channel (use Wx key to select)
- V** Time (derived from GPS)
- W** UTC offset is applied
- X** Volume is under active control (solid black indicates control is active)
- Y** Current channel is set as the Watch channel (use TRI key to select)
- Z** Volume level indicator
- AA** Track your buddy is enabled
- AB** Handset ID and Name

## Display icons and meanings

When the system starts up, a splash screen momentarily displays the brand, model, country mode, software version, and MMSI. During normal operation, the following icons may be displayed on the screen depending on setup:

Symbols	Descriptions
	Radio is transmitting
	Receiver busy with incoming signal
	Low Transmit power selected (1W)
	High Transmit power selected (25W)
	Current channel is Duplex (Simplex when OFF)
	Current channel is receive only
	Local mode enabled (used when in areas of high radio traffic, i.e. inner harbor)
	Channel is saved as a favorite
	Channel will be skipped during a scan
	Weather channel stored by user (EU & INT country modes only)
	Channel bank is set to USA
	Channel bank is set to International. (Channels available depends on selected country mode)
	Channel bank is set to Canada
	ATIS functionality is enabled (EU country mode only - must be enabled when in European inland waterways)
	DSC functionality is enabled
	DSC functionality is enabled, auto switch is turned OFF
	AIS function is enabled - Receive only mode (NRS-2 only)
	AIS Class-B function is enabled – Transmit and Receive mode (NRS-2 only)
	AIS Class-B Silent Switch mode is active – AIS transmissions are disabled (NRS-2 only)
	Internal GPS is enabled, with valid 3D fix
	Internal GPS is enabled, no fix
	External GPS is enabled, with valid 3D fix
	External GPS is enabled, no fix
	Weather alert enabled (USA/CAN only)
	Missed DSC call
	Low Battery (vessel) warning (activates at 10.5 V)
	Battery level (wireless handset)
	Track your Buddy feature is active
	TRI watch or DUAL scan is active
	GPS simulator is active

## Product manuals

For the full Operator manual, technical specifications and declarations, refer to the product website: [www.simrad-yachting.com](http://www.simrad-yachting.com) or [www.bandg.com](http://www.bandg.com).

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## United Kingdom

Hereby, Navico declares that the radio equipment types RS100, RS100-B, V100 and V100-B are in compliance with Radio Equipment Regulations 2017. The full text of the UK declaration of conformity is available at the following internet address: [www.simrad-yachting.com](http://www.simrad-yachting.com) and [www.bandg.com](http://www.bandg.com).

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