

e7 / e7D

Multifunction display

Quick reference

ENGLISH

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The Raymarine logo is positioned in the bottom left corner of the page. It features the brand name 'Raymarine' in a bold, black, sans-serif font, with a registered trademark symbol (®) to the upper right of the 'e'. The logo is set against a light gray background that is part of a larger graphic element consisting of several overlapping, curved bands in shades of gray and black that sweep across the bottom of the page.

Raymarine®

Safety notices



Warning: Ensure safe navigation

This product is intended only as an aid to navigation and must never be used in preference to sound navigational judgment. Only official government charts and notices to mariners contain all the current information needed for safe navigation, and the captain is responsible for their prudent use. It is the user's responsibility to use official government charts, notices to mariners, caution and proper navigational skill when operating this or any other Raymarine product.

Powering the display on

1. Press and hold the **POWER** button until the Raymarine logo appears.
2. Press **OK** to acknowledge the disclaimer message.

Powering the display off

1. Press and hold the **POWER** button until the countdown reaches zero.

Note: If the **POWER** button is released before the countdown reaches zero, the power off is cancelled.

Adjusting the display brightness

1. Press the **POWER** button once.
The Backlight Level control is displayed.
2. Using the rotary control, adjust the brightness level as appropriate.
3. To switch the color palette, from the homescreen select **Customize > Display Preferences > Color Palette**.

Simulator mode

The Simulator mode enables you to practice operating your display without data from a GPS antenna, radar scanner, AIS unit, or fishfinder.

The simulator mode is switched on / off in the **System Setup Menu**.

Note: Raymarine recommends that you do NOT use the simulator mode whilst navigating.

Note: The simulator will NOT display any real data, including any safety messages (such as those received from AIS units).

Note: Any system settings made whilst in Simulator mode are NOT transmitted to other equipment.

Enabling simulator mode

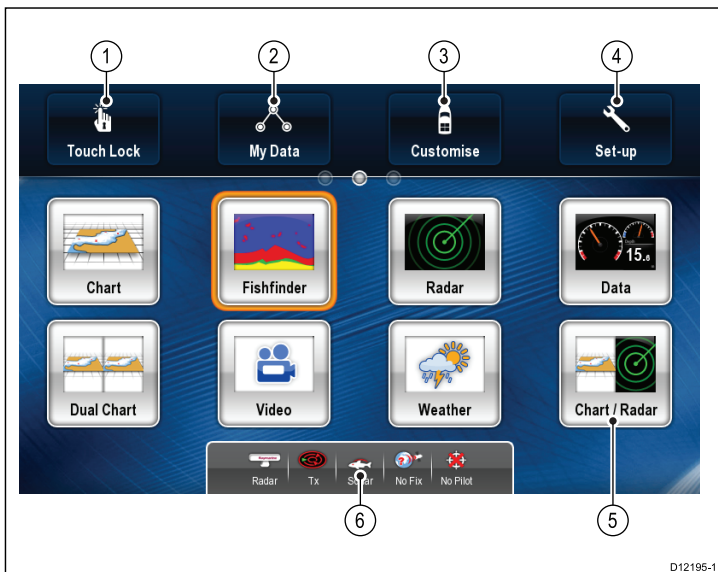
With the homescreen displayed:

1. Select **Set-Up**.
2. Select **System Settings**.
3. Select **Simulator**.

Homescreen overview

The homescreen provides a central point of access to your display's range of applications.

- The homescreen also provides quick access to your data (waypoints, routes, and tracks).
- To access the homescreen, hold the **MENU** button for 3 seconds. Alternatively, select the on-screen **Home** icon.
- The homescreen consists of a number of application "pages", each represented by an icon. Applications can be started by selecting the relevant page icon.
- Use the joystick or swipe the screen with your finger to scroll the homescreen and access additional application pages.




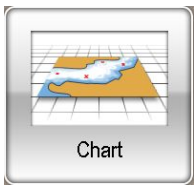

Screen item	Description
1	Touch Lock — select this icon to lock the touchscreen, preventing accidental use. To unlock, use the UniControl to deselect the Touch Lock icon.
2	My Data — this icon enables you to centrally manage your lists of routes, tracks, and waypoints.
3	Customize — select this icon to configure application pages and select the display's language, units, date/time, boat details and display preferences.
4	Set-up — select this icon to access the system set-up menus.
5	Page — each icon represents an application page. A page can display up to 2 applications simultaneously.
6	Status bar — the status icons confirm the status of externally-connected equipment, including GPS, AIS, radar, and autopilot units.

Pages

Pages are used to display applications.

Pages are displayed and accessed on the homescreen. Each page can display up to 2 applications.

Any page on the homescreen can be customized, enabling you to group your applications into different pages, each designed for a specific purpose. For example, you could have a page that includes the chart and fishfinder applications, suitable for fishing, and another page that includes the chart and data applications, which would be suitable for general sailing.

	<p>You can add any application(s) to any empty page.</p>
 <p>Chart</p>	<p>Page featuring a single application.</p>
 <p>Custom</p>	<p>Page featuring multiple applications.</p>

You can also define a "layout" for each page, which determines how the applications are arranged on the screen.

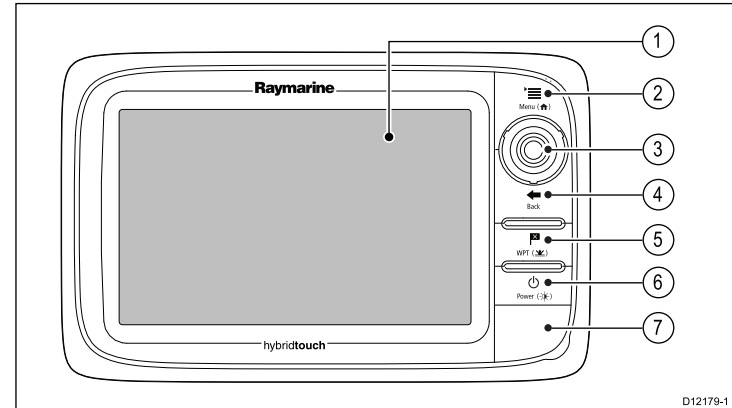
Changing an existing page on the homescreen

With the homescreen displayed:

1. Select **Customize**.
2. Select **Homescreen**.
3. Select **Edit Page**.
4. Select the page icon that you want to change.
The Customize menu options are displayed.
5. Select the appropriate page layout (for example, "Splitscreen").

6. Select the application(s) you want to display on the page, either by selecting the relevant menu item or dragging it over to the displayed page.
7. Select **Finish**.
The Rename Page dialog is displayed.
8. Use the on-screen keyboard to name the page, then select **Save**.

Controls



1. **Touchscreen** — you can touch the screen to operate many common functions, including all menu operations.
2. **Menu** — accesses menus. Press again to close menus.
3. **UniControl** — provides a joystick and rotary control and an OK button for using menus and applications.
4. **Back** — press to return to a previous menu or dialog level.
5. **WPTS / MOB** — press and release to access the waypoint options. Press again to place a waypoint. Press and hold to place a Man Overboard (MOB) marker at your current position.

6. **Power** — press once to switch the unit ON. Once powered on, press the Power button again to adjust the brightness, access the power controls for external devices, and access the autopilot controls. Press and hold to switch the unit OFF.
7. **Chart card slots** — open the card door to insert or remove MicroSD cards. There are 2 card slots (labelled 1 and 2), used for electronic charts and archiving waypoint, route and track data.

Note: Raymarine strongly recommends that you familiarize yourself with touch operations while your vessel is anchored or moored. You may find it helpful to use the simulator mode (accessible from **Homescreen > Set-up > System Settings**) in these situations.

Hybridtouch overview

Your multifunction display features Hybridtouch, which enables you to operate the unit using the touchscreen and the physical keys.

Many common functions can be accessed using the touchscreen. However, there may be situations (such as rough sea conditions) when it is not appropriate to use the touchscreen. In these situations, Raymarine strongly recommends that you activate the touch lock and use the physical keys to operate your multifunction display.

Touchscreen overview

The touchscreen provides a quick way of performing many common functions.

Some of the functions you can operate with the touchscreen include:

- Accessing applications.
- Adding and editing applications pages.
- Placing and editing waypoints.
- Building routes.
- Panning the chart display.
- Placing and moving the cursor.

Basic touchscreen operations

Placing and moving the cursor using touch

1. Touch the screen at any position on the screen to place the cursor there.

Selecting the active window using touch

With a page featuring multiple applications displayed:

1. Tap anywhere inside the application you want to make active.
A border appears around the application, indicating that it is active.

Locking the touchscreen

With the homescreen displayed:

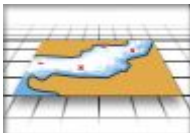
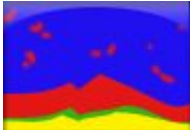



1. Select the **Touch Lock** icon.
It changes color to indicate that the touchscreen is disabled. All functions are still available using the buttons and UniControl.



Unlocking the touchscreen

With the homescreen displayed:

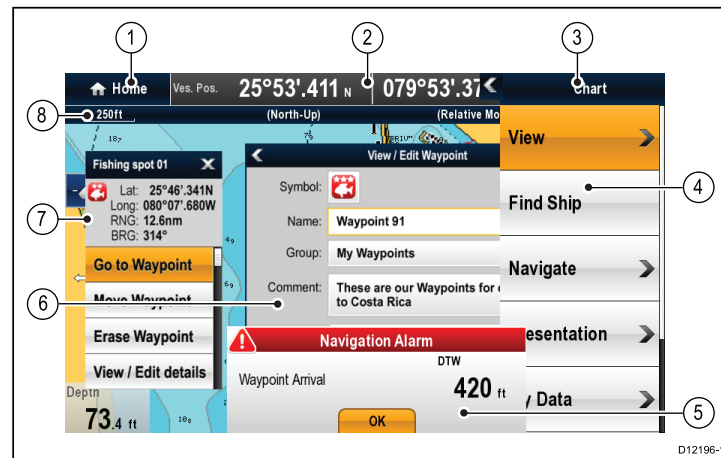
1. Use the UniControl to highlight the **Touch Lock** icon.
2. Press the **OK** button.
The Touchscreen is enabled.

Applications

	<p>Chart application — provides a 2D or 3D graphical view of your charts to help you navigate. Waypoint, route, and track functions enable you to navigate to a specific location, build and navigate routes, or record where you've been. Chart cards provide higher levels of detail and 3D views.</p>
	<p>Fishfinder application — with a transducer and a "D" variant multifunction display or compatible Digital Sounder Module (DSM), you can use the fishfinder application to help you accurately distinguish between different sizes of fish, bottom structure, and underwater obstacles. You can also view sea depth and temperature data and mark points of interest such as fishing spots or wrecks.</p>
	<p>Radar application — with a suitable radar scanner, you can use the radar application to track targets and measure distances and bearings. A number of automatic gain presets and color modes are provided to help you get the best performance from your radar scanner.</p>
	<p>Data application — view system and instrument data on your multifunction display, for a range of compatible instruments. Use the joystick or touchscreen to scroll through the available data pages.</p>
	<p>Weather application — (North America only). With a suitable weather receiver connected to your system, the weather application overlays historical, live, and forecasted weather graphics on a world map.</p>

	<p>Thermal camera application — view and control a compatible thermal camera using your multifunction display.</p>
	<p>Video application — view a video or camera source on your multifunction display.</p>

Screen overview



Screen item	Description
1	Home — select this icon to access the homescreen.
2	Databar — provides information about your vessel and its environment. The position and type of information in the databar can be customized if required. Touch the databar to reveal more information.
3	Menu — select this icon to access the menu. The menu options are specific to the application that you are currently using. Use the joystick or touchscreen to select menu items and scroll long menus.
4	Pop-up menu — menu options are displayed when you select the Menu icon.
5	Pop-up messages — alert you to a situation (such as an alarm), or unavailable function. Pop-up messages may require a response from you — for example, select OK to silence alarms.
6	Dialogs — enable data to be selected, edited or entered. Use in many common functions — for example, editing a waypoint..
7	Context menu — provides information and options specific to each application. In certain applications you can hold your finger on the touchscreen for 2 seconds to display the options for that particular context. For example, hold your finger anywhere on the chart for 2 seconds to access the option to place a waypoint at that location.
8	Status bar — provides information specific to each application. This information cannot be edited or moved.

Alarms

Alarms alert you to a situation or hazard requiring your attention.

You can set up alarms to alert you to certain conditions, such as collision warnings and temperature limits.

Alarms are raised by system functions, and also external equipment connected to your multifunction display.

When an alarm sounds a message dialog is displayed on your multifunction display and any networked displays. The dialog states the reason for the alarm.

You can configure the behavior of certain alarms by selecting the Edit option on the message dialog or by using the **Alarms** menu, accessible from the homescreen via the **Set-Up** icon.

Man overboard

If you lose a person or object overboard, you can use the Man Overboard (MOB) function to mark the position that the vessel was at when the MOB function was activated.

The MOB function is available at all times, regardless of which application is running. MOB can be set to Dead Reckoning or Position mode. Dead Reckoning mode will take into consideration the effects of wind and tides. This usually provides a more accurate course. Position mode does not take these factors into account.

To obtain a MOB position, your multifunction display must have a GPS position fix. Alternatively, if you're using dead reckoning, heading and speed data must be available.

When MOB is **activated**:

- An audible MOB alarm is sounded.
- An MOB alarm dialog box is displayed.
- The system sends MOB alarms to other Raymarine equipment.

- The active chart application is changed to a low-detail 2D view, with an initial range of 15 m (50 ft). Motion mode is set to Auto Range.
- The active radar application range is changed to 230 m (760 ft).
- All Goto and Follow functions are disabled in all applications. Navigation to any active waypoint is stopped and any existing navigation function is cancelled.
- If position or heading and speed information is available a MOB waypoint is placed at the current vessel position in any application that is capable of showing waypoints and vessel position.
- MOB data is displayed in the databar, replacing the existing data.
- MOB data is displayed on the homescreen, replacing the status icons.
- As the vessel moves away from the MOB position a dotted line is displayed, joining the MOB position with the vessel's position.

When the MOB alarm is **cancelled**:

- MOB data is removed from the relevant applications.
- The chart application motion mode is reset.
- The chart is centered on the vessel and pitch / rotation set to default.
- GOTO and route functions are restored.
- The databar mode is reset.
- A MOB normal mode signal is sent to any instrument on SeaTalk.

Activating the man overboard (MOB) alarm

1. Press and hold the **WPTS / MOB** button for 3 seconds.

Cancelling the man overboard (MOB) alarm

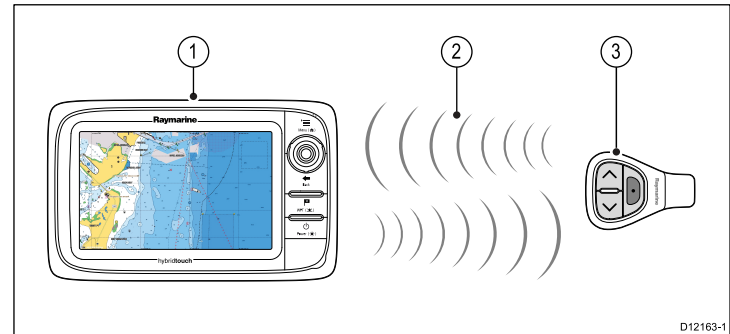
1. Select **OK** on the MOB alarm dialog.
The MOB alarm remains active.

2. To cancel the alarm, press and hold the **WPTS / MOB** button for 4 seconds.

Remote control connection

You can control the multifunction display wirelessly using a Raymarine remote control unit.

The remote control uses a Bluetooth wireless connection.



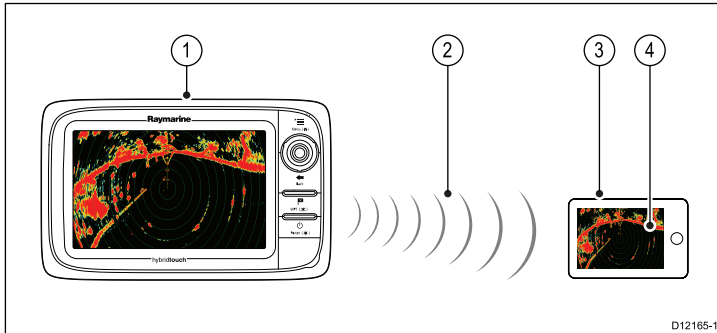
1. Multifunction display.
2. Bluetooth connection.
3. Raymarine Bluetooth remote control (for example, RCU-3).

To use the remote control you must first:

- Enable Bluetooth in the System Settings on the multifunction display.
- Pair the remote control unit with the multifunction display.

Video streaming connection

You can use an Apple iPhone or iPad as a wireless repeat display. This feature enables you to stream what you see on your multifunction display to an Apple iPhone 4 (or later) or iPad, using a WiFi connection.



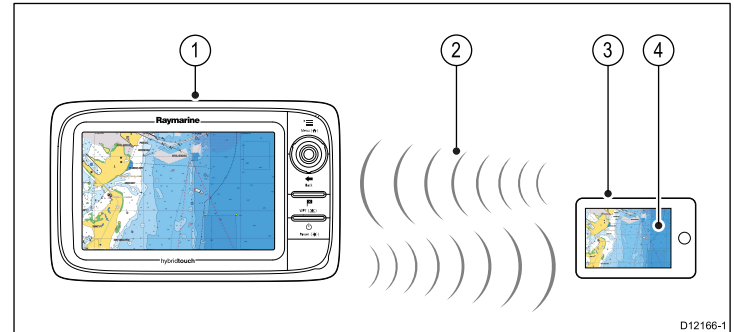
1. Multifunction display.
2. WiFi connection.
3. Apple iPhone 4 (or later) or iPad.
4. "Raymarine Viewer" video streaming app.

To use this feature you must first:

- Download and install the "Raymarine Viewer" video streaming app, available from the Apple App Store.
- Enable WiFi in the System Settings on the multifunction display.
- Enable WiFi on your iPhone or iPad.
- Select the Raymarine WiFi connection from the list of available WiFi networks on your iPhone or iPad.
- Enable Device Streaming in the System Settings on the multifunction display.

Navionics chartplotter sync connection

You can wirelessly synchronize waypoints and routes between the multifunction display and an iPhone or iPad.



1. Multifunction display.
2. WiFi connection.
3. Apple iPhone or iPad.
4. Navionics Marine app.

To use this feature you must first:

- Download and install the Navionics Marine app, available from the Apple App Store.
- Enable WiFi in the System Settings on the multifunction display.
- Enable WiFi on your iPhone or iPad.
- Select the Raymarine WiFi connection from the list of available WiFi networks on your iPhone or iPad.

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