



CL7 DISPLAY

E
QUICK START MANUAL

6YD-2819U-E0

Introduction

⚠ WARNING

See the *Important Safety and Product Information* guide in the product box for product warnings and other important information.

Device Overview

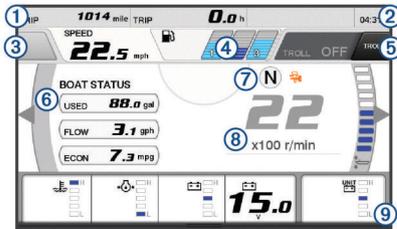


①	Touchscreen
②	Power key
③	Automatic backlight sensor
④	microSD® memory card slot

Engine Data Screen

The engine data screen appears when you turn on the device. This screen varies based on the engine network and throttle controller.

From this screen, you can access other data screens and the home screen. To open a different screen, swipe the screen right or left, or select the arrows on either side of the screen.



①	Data fields Hold to replace the data.
②	Current time Hold to view trip data.
③	Press to set the joystick button Set Point functions (Helm Master®).
④	Tank level information Hold a tank to view detailed tank level sensor information.
⑤	GPS signal strength Select to set the Fish Point high RPM limit (Helm Master). Select to set the trolling speed (Command Link Plus®).
⑥	Data fields Hold to replace the data.
⑦	Shift position
⑧	Tachometer and trim angle Hold to change the background.
⑨	Engine information Hold to replace the data and change the gauge appearance.

Engine Alert Icons

Red icons indicate engine abnormalities.

NOTICE

Consult your Yamaha® dealer if the problem cannot be located and corrected.

	Low cooling water pressure.
	Low oil pressure. Stop the engine. Check the engine oil level, and add more oil if necessary.
NOTICE	
Do not continue to run the engine if this indicator is on. Serious engine damage will occur.	
	Engine overheating. Stop the engine immediately. Check the cooling water inlet, and clear it if it is blocked.
NOTICE	
Do not continue to run the engine if this indicator is on. Serious engine damage will occur.	
	Low battery voltage. Check the battery and battery connections, and tighten all loose battery connections. Return to port soon if tightening the battery connections does not increase the battery voltage. Consult your Yamaha dealer immediately. NOTE: Do NOT stop the engine when this alert is on. If you do, you may not be able to restart the engine.
	Water in the fuel. Water has collected in the fuel filter (fuel separator). Stop the engine immediately and consult the engine manual to drain the water from the fuel filter. NOTE: Gasoline mixed with water might cause damage to the engine.
	Check engine/maintenance alert. Consult your Yamaha dealer immediately. The check engine alert also appears when more than 100 hours have elapsed since the previous maintenance.
	Engine alert notification. (Helm Master)
	Engine emission issue.

Engine Condition Icons

Orange icons indicate engine conditions.

	Yamaha security system is on.
	Engines are under synchronization control.
	Engines are warming up.

GPS Signal Strength Icons

The icons shown in the upper-right of the engine screen indicate the GPS signal strength.

	GPS satellite signal strength
	No GPS satellite signal

Menu Bar and Engine Bar

You can use the menu bar ① buttons along the bottom of the screen to open other functions and features in the MFD and to open the settings for the current screen. The menu bar appears briefly when you open a screen, and it is always shown on the home screen. Swipe up from the bottom of the screen to show the menu bar.



When you are not viewing the engine screens, a small engine bar ② along the top of the screen provides a quick view of the status of the engine gauges. Like the menu bar, the engine bar appears briefly when you open a screen. Swipe down from the top of the screen to show the engine bar.



On-Screen Buttons

These on-screen buttons may be displayed on some screens and functions. Some buttons are accessible only in a combination page or SmartMode™ layout or when accessories, such as a radar, are connected..

Button	Function
	Clears the on-screen icons and re-centers the screen on the boat
	Opens a full-screen view of the item
	Creates a new waypoint
	Creates a route, with turns, to the destination
	Adds a turn to the route at the selected location
	Removes the last added turn from the route
	Creates a direct route, without turns, to the destination
	Creates an Auto Guidance route to the destination
	Begins navigation
	Ends navigation
	Stops and starts radar transmission
	Opens the radar gain adjustment menu
	Opens the radar sea clutter adjustment menu
	Opens the radar rain clutter adjustment menu
	Turns on and off the radar echo trails
	Acquires a radar target and begins tracking it
	Shows and sets the VRM/EBL line
	Opens the menu for the page or function
	Opens the Weather menu for the page or function
	Opens the Radar menu for the page or function
	Opens the Presets menu for the page or function

Tips and Shortcuts

- Press to turn on the chartplotter.
- From any screen, press repeatedly to scroll through the brightness levels.
This can be helpful when the brightness is so low you cannot see the screen.
- Select **Home** from any screen to return to the Home screen.
- Select **Menu** to open additional settings about that screen.
- Select **Menu** to close the menu when finished.
- Press to open additional options, such as adjusting the backlight and locking the touchscreen.
- Press , and select **Power Off > Turn Off System**, or hold until the **Turn Off System** bar fills to turn off the chartplotter.
- Press , and select **Power Off > Sleep Station** to set the chartplotter to standby mode.
- On the home screen of some models, swipe up or down on the category buttons along the right side of the screen to view the additional buttons.

On some models, not all category buttons are visible. The arrows at the top or bottom of the buttons indicate not all buttons are visible.

- On some menu buttons, select the button to enable the option.



A green light on an option indicates the option is enabled .

- When available, select the arrows to open the menu.
On some buttons, when an option is selected , the menu arrows appear.

Using the Touchscreen

- Tap the screen to select an item.
- Drag or swipe your finger across the screen to pan or scroll.
- Pinch two fingers together to zoom out.
- Spread two fingers apart to zoom in.

Adding an Item to Favorites

- 1 From the home screen, select a category from the right.

- 2 Hold a button on the left.

The item is added to the Favorites home screen category.

Customizing the Layout of a SmartMode or Combination Page

You can customize the layout and data shown in the combination pages and SmartMode layouts. When you change the layout of a page in a display you are interacting with, the change appears only on that display, except for the SmartMode name and symbol. When you change the SmartMode name or symbol for the layout, the new name or symbol appears on all displays in the station.

- 1 Open a page to customize.

- 2 Select **Menu**.

- 3 Select **Edit Layout** or **Edit Combo**.

- 4 Select an option:

- To change the name, select **Name** or **Name & Symbol > Name**, enter a new name, and select **Done**.
- To change the SmartMode symbol, select **Name & Symbol > Symbol**, and select a new symbol.
- To change the number of functions shown and the layout of the screen, select **Layout**, and select an option.
- To change the function of a portion of the screen, select the window to change, and select a function from the list on the right.
- To change how the screens are split, drag the arrows to a new location.
- To change the data shown on the page and additional data bars, select **Overlays**, and select an option.
- To assign a preset to a portion of the SmartMode screen, select **Presets > Include**, and select a preset from the list on the right.

Customizing the Data Overlays

You can customize the data shown on a screen.

- 1 Select an option based on the type of screen you are viewing:

- From a full screen view, select **Menu > Edit Overlays**.
- From a combination screen, select **Menu > Edit Combo > Overlays**.
- From a SmartMode screen, select **Menu > Edit Layout > Overlays**.

TIP: To quickly change the data shown in an overlay box, hold the overlay box.

- 2 Select an item to customize the data and data bar:
 - To change the data shown in an overlay box, select the overlay box, select the new data to show, and select **Back**.
 - To select the location and layout of the data overlay bar, select **Data**, and select an option.
 - To customize the information shown when navigating, select **Navigation**, and select an option.
 - To turn on other data bars, like the media controls, select **Top Bar** or **Bottom Bar**, and select the necessary options.
- 3 Select **Done**.

Accessing Owner's Manuals on the Chartplotter

- 1 Select **Info > Owner's Manual**.
- 2 Select a manual.
- 3 Select **Open**.

Downloading the Manuals

You can get the latest owner's manual and translations of manuals from the Garmin® website.

- 1 Go to global.yamaha-motor.com/outboards/products/manuals/accessories/gauge/index.html.
- 2 Download the manual.

Basic Operation

Marking Your Present Location as a Waypoint

From any screen, select **Mark**.

Creating a Waypoint on the Sonar Screen

- 1 From a sonar view, drag the screen or select **■**.
- 2 Select a location.
- 3 Select **New Wpt** or **Ⓧ**.
- 4 If necessary, edit the waypoint information.

Creating a Waypoint on the Chart

- 1 From a chart, select a location or object.
- 2 Select **Ⓧ**.

Navigating to a Point on the Chart

⚠ WARNING

A magenta line displayed on the chartplotter is only intended to provide general route guidance or to identify proper channels, and it is not intended to be precisely followed. Always defer to the navaids and conditions on the water when navigating to avoid groundings or hazards that could result in vessel damage, personal injury, or death.

- 1 From the Navigation chart or Fishing chart, select a location.
- 2 If necessary, select **Navigate To**.
- 3 Select an option:
 - To navigate directly to the location, select **Go To** or **➤**.
 - To create a route to the location, including turns, select **Route To** or **➤**.
 - To use Auto Guidance, select **Auto Guidance** or **Ⓜ**.
- 4 Review the course indicated by the magenta line.

NOTE: When using Auto Guidance, a gray segment within any part of the magenta line indicates that Auto Guidance cannot calculate part of the Auto Guidance line. This is due to the settings for minimum safe water depth and minimum safe obstacle height.

- 5 Follow the magenta line, steering to avoid land, shallow water, and other obstacles.

Copying User Data to a Memory Card

You can save user data to a memory card to transfer to other devices.

- 1 Insert a memory card into the card slot.
- 2 Select **Info > User Data > Data Transfer > Save to Card**.
- 3 If necessary, select the memory card to copy the data to.
- 4 Select an option:
 - To create a new file, select **Add New File**, and enter a name.
 - To add the information to an existing file, select the file from the list, and select **Save to Card**.

Showing Tracks

- 1 From a chart, select **Menu > Layers > User Data > Tracks**.
- 2 Select the tracks to display.

A trailing line on the chart indicates your track.

Configuring the Recording Interval of the Track Log

You can indicate the frequency at which the track plot is recorded. Recording more frequent plots is more accurate but fills the track log faster. The resolution interval is recommended for the most efficient use of memory.

- 1 Select **Info > User Data > Tracks > Active Track Options > Interval > Interval**.
- 2 Select an option:
 - To record the track based on a distance between points, select **Distance > Change**, and enter the distance.
 - To record the track based on a time interval, select **Time > Change**, and enter the time interval.
 - To record the track plot based on a variance from your course, select **Resolution > Change**, and enter the maximum error allowed from the true course before recording a track point. This is the recommended recording option.

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