LINC PANORAY - DUAL DISPLAY

2021 OWNER'S MANUAL

TABLE OF CONTENTS

OVERVIEW

PRODUCT INFORMATION

The Nautique LINC Panoray system is designed for instrumentation and control on electronically controlled engines communicating via SAE J1939 and NMEA 2000. The two displays provide GPS tracking, multimedia control, speed control, and enables equipment operators to view many different engine parameters and service codes.

CARE AND MAINTENANCE

General maintenance is not required; however, a soft cloth can be used for cleaning the displays. Window cleaner or alcohol can also be used to clean the glass portion of the displays. Do not use harsh or abrasive cleaners on the unit.

OVERVIEW

TOUCHSCREEN DISPLAY

LINC Panoray features a 12.4” wide touchscreen display on the right side of the helm. Operators can easily change settings and viewed information by tapping certain touchpoint icons on the screen. When the display recognizes that the operator has touched the screen, a small, grey, circular graphic will appear at the location where the operator has touched.

Operators can also scroll and swipe certain functions, lists and menus on the touchscreen display.

To ensure proper use, make sure that hands and fingers are dry and clean of any oils or lotions before touching the display.

OVERVIEW

HELM COMMAND

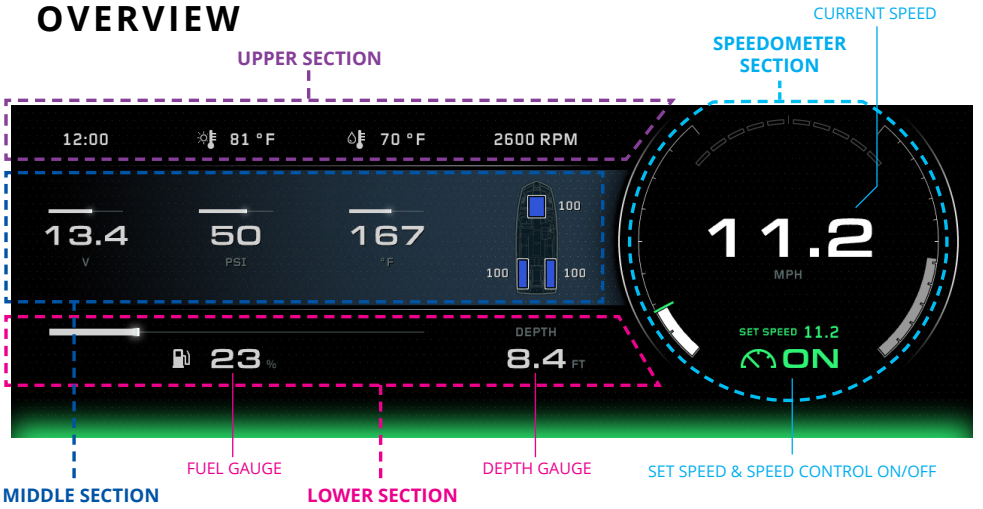
In addition to the touchscreen, the LINC 3.0 interface can also be fully controlled with the Helm Command (pictured above) located on the driver's armrest adjacent to the throttle arm.

Helm Command features a machined, aluminum knob. This knob is able to 1) rotate clockwise and counterclockwise, 2) tilt up, down, left and right like a joystick and 3) can be pressed down like a button. The functions of each of the three physical actions listed above can change depending on the particular menu that is displayed.

A black, rubber keypad surrounds the knob with 5 different buttons. These buttons act like shortcuts, or hot keys, and allow the user to quickly jump to certain menus, tabs and frequently used settings.

Please refer to the following pages for a step-by-step instruction on how to use Nautique's Helm Command with the user interface.

OVERVIEW



GAUGE DISPLAY (LEFT SIDE) - USER INTERFACE

The Gauge display is located on the left side of the helm. This display will always show critical gauges and information. The Gauge display is meant to provide large information that can be conveniently seen at a glance. This display cannot be directly controlled with touchscreen input or the Helm Command Knob.

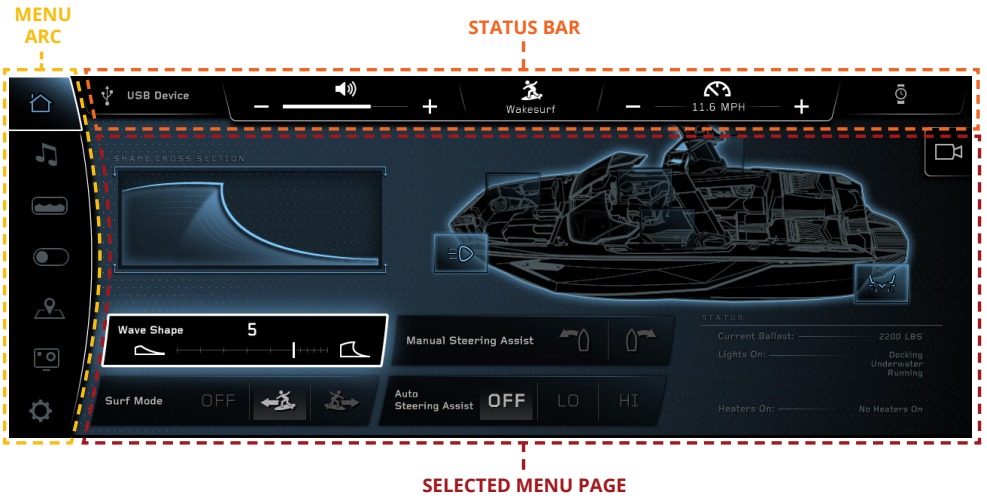
SPEEDOMETER SECTION - displays the current speed, the set speed target, and the current state of the speed control. In the example above, the Steering Assist run time is shown, as a grey, segmented arc. This will only appear here if Nautique Integrated Steering Assist is equipped; if that is not equipped, then RPM will be shown in that location in a large format.

Please note that a green glow will appear along the bottom edge of the screen whenever speed control is on and the set speed has been reached (as shown in the screen above)

UPPER SECTION - displays the clock, air temperature, water temperature, and RPM (depending on selected options).

MIDDLE SECTION - displays the voltage, oil pressure, engine temperature, and current ballast tank levels.

LOWER SECTION - displays the fuel and depth gauges



INTERACTION DISPLAY (RIGHT SIDE) - USER INTERFACE

The Interaction display is located on the right side of the helm. The Interaction display is the primary tool to controlling the boat through graphical switches and settings. The graphical interface for this screen can dynamically change with different menus to show different features and information. Switches and settings on the Interaction display can be changed by touchscreen input or by the Helm Command Knob.

MENU ARC - different menus can be selected here by touching individual menu icons or by rotating the Helm Command knob if a menu icon is highlighted. There can be up to 7 menus: Home, Audio, Ballast, Switching, Map, GoPro and Preferences. The middle icon of the Menu Wheel shows which menu is currently being viewed.

STATUS BAR - This area displays the current stereo source, the volume level of the audio system, the selected user profile, the set speed target, and the connection status of a Surf Select smartwatch or remote . The stereo source, stereo volume, user profile, and set speed target can all be adjusted here by touchscreen input.

SELECTED MENU PAGE - This area dynamically changes to show the settings, features, and information depending on which menu is selected. Most settings and functions are illustrated here as a stack-up of horizontal bars with curved ends, and other touch points are illustrated as semi-transparent rectangular boxes, typically overlaid on top of a boat graphic.

OVERVIEW

LINC INTERFACE (INTERACTION DISPLAY)

HELM COMMAND

USING HELM COMMAND - ROTARY KNOB

When LINC 3.0 has completed its start-up sequence, a “highlight” will appear over the Menu Wheel. This highlight is similar to a computer cursor; it shows the current position for user interaction and it will respond to input from the rotary knob or the 5 buttons on the Helm Command unit. The highlight will stay in the same location until it is moved to a new function/setting or until a new menu or is selected.

When the highlight is over the Menu Arc, simply rotate the Helm Command knob clockwise or counter-clockwise to view another menu (see fig. A1 below).

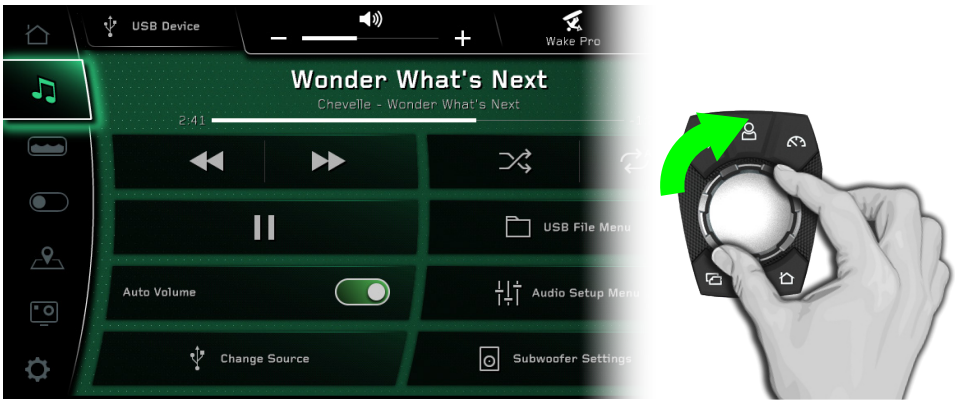


FIG. A1 - ROTATING CLOCKWISE FROM THE HOME MENU TO THE AUDIO MENU

OVERVIEW

USING HELM COMMAND - ROTARY KNOB (CONTINUED)

To return to a previously viewed menu, simply rotate the knob the opposite way. The menu will appear with the tab that was last selected (see Fig. A2 below).

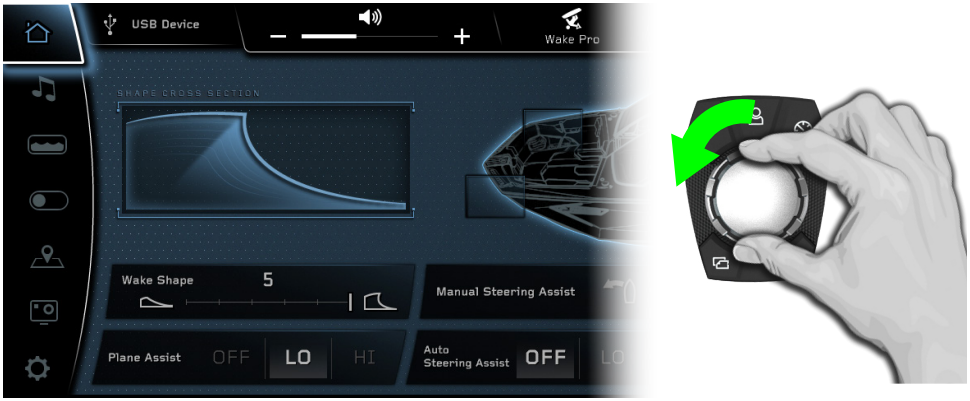


FIG. A2 - ROTATING COUNTER-CLOCKWISE BACK TO THE HOME MENU FROM THE MEDIA MENU

To move the highlight to the page area of the screen (to the left side), the operator can either press down on the knob, joystick over to the right or press the tab button to highlight another column of functions (See Fig. A3 below)

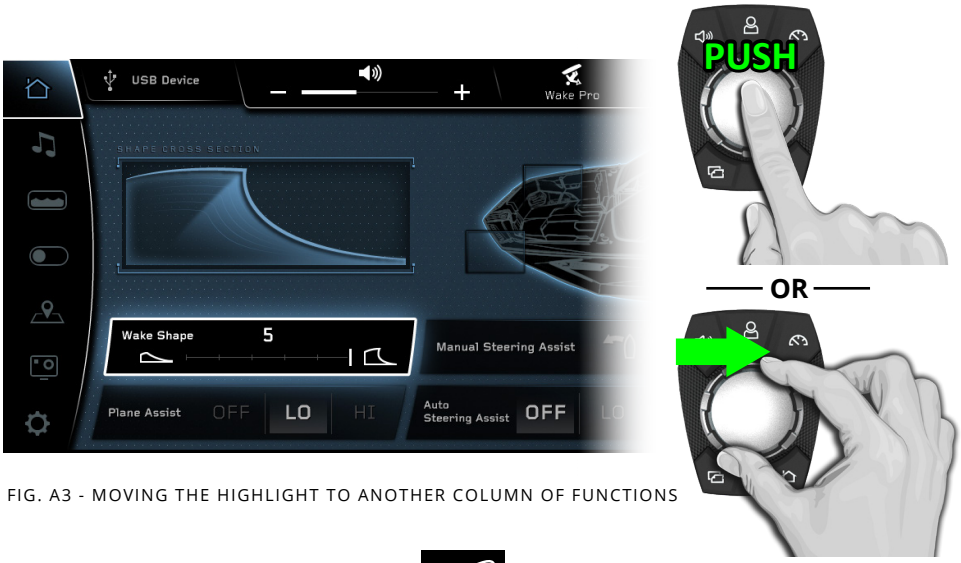


FIG. A3 - MOVING THE HIGHLIGHT TO ANOTHER COLUMN OF FUNCTIONS

OVERVIEW

USING HELM COMMAND - ROTARY KNOB (CONTINUED)

After moving the highlight to the page area, the operator can select functions/ settings by pushing down on the knob (see Fig. A4 below). This will change the background color behind the function/setting to white to increase visibility over the other functions/settings.

FIG. A4 - PUSHING DOWN TO SELECT A SETTING (WAKE SHAPE IN THIS EXAMPLE)

When a setting is selected, simply rotate clockwise or counter-clockwise to increase or decrease that setting. In Fig. A5 below, the operator has rotated counter-clockwise three times to change the Wake Shape setting to “5”. When an ON/OFF function (like NSS in Fig A5. below) is selected , rotate clockwise to tun ON or rotate counter-clockwise to turn OFF.

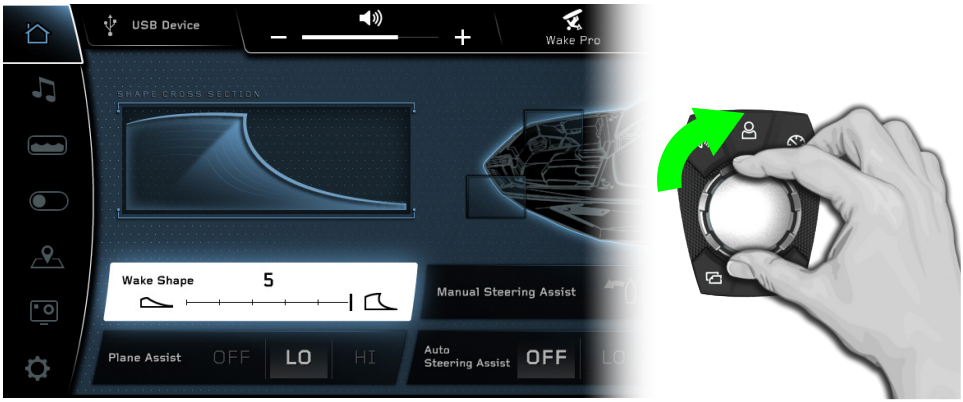


FIG. A5 - ROTATING COUNTER-CLOCKWISE TO DECREASE A SETTING

OVERVIEW

USING HELM COMMAND - ROTARY KNOB (CONTINUED)

When the operator is comfortable with where the setting is at, he/she may push down on the knob to de-select from the setting (see Fig, A6 below).

FIG. A6 - PUSHING DOWN TO DE-SELECT A SETTING

The operator may now rotate, joystick, or press the tab button to highlight another setting. In the image below (Fig. A7) the operator has rotated the knob clockwise to the right to highlight the Planing Assist setting.

FIG. A7 - ROTATING CLOCKWISE TO HIGHLIGHT A DIFFERENT SETTING

OVERVIEW

USING HELM COMMAND - BUTTON SHORTCUTS

A black, rubber keypad surrounds the knob with 5 different buttons. These buttons act like shortcuts, or hot keys, and allow the user to quickly jump to certain menus, tabs and frequently used settings.

HELM COMMAND

The Volume, User and Speed Control buttons will each open up a unique pop-up menu when pressed. Each of those pop-up menus will close when that same button is pressed again.

OVERVIEW

USING HELM COMMAND - VOLUME BUTTON

Pressing the Volume button opens a pop-up to allow the operator to quickly change the volume and the track from any menu (see Fig. B1).

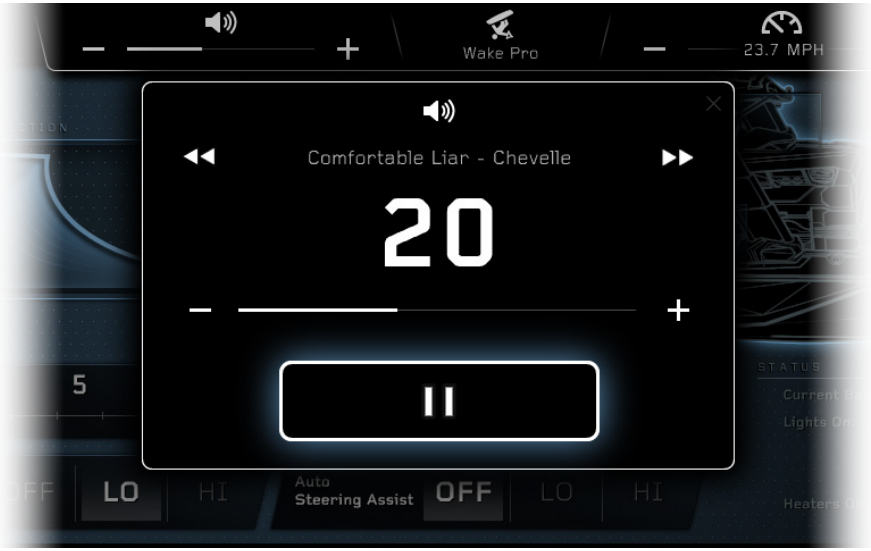


FIG. B1 - POP-UP AFTER PRESSING THE VOLUME BUTTON ON HELM COMMAND

Once the Volume pop-up appears in the center of the screen, the operator can perform the following functions:

Changing the Volume - by either rotating the Helm Command knob either direction or by pressing the plus and minus icons via touchscreen

Pause/Play (or Mute/Un-mute) - by pressing down on the Helm Command knob or by pressing the pause icon via touchscreen.

Changing the Track (or Frequency) - by either joysticking the Helm Command knob either left or right, or by pressing the next track and previous track icons via touchscreen

NOTE: If the “stereo is off” is listed in this pop-up , simply press down on the knob to turn the stereo on.

OVERVIEW

USING HELM COMMAND - USER BUTTON

FIG. B2 - USER POP-UP MENU AFTER PRESSING THE USER BUTTON ON HELM COMMAND

Pressing the User button opens a pop-up menu for the User Menu The User Menu displays editable user profiles which contain pre-set speed, wave/wake shape, and ballast settings. This pop-up menu can be accessed at any time.

The Interaction display comes with 9 pre-loaded user profiles and the ability to create 7 additional user profiles. The operator may edit or delete all of the pre-loaded user profiles except for “Back to Dock”. It is recommended to try out factory pre-loaded user profiles first before attempting to edit settings or create user profiles from scratch. The factory pre-loaded profiles are a great way to gain an understanding of how different key settings (speed, shape, ballast, etc.) impact the wake behind the boat.

When the User pop-up menu appears (either by Helm Command or touchpoint) the operator will see a scrolling list of options and user profiles to the left and will see the corresponding user profile settings displayed graphically on the right.

Exit - This will exit out of the User drop down menu and return to the previous screen.

Save Changes - This will save any altered settings of the currently selected profile, which are noted by blue “!” icons on the right side of the menu.

OVERVIEW

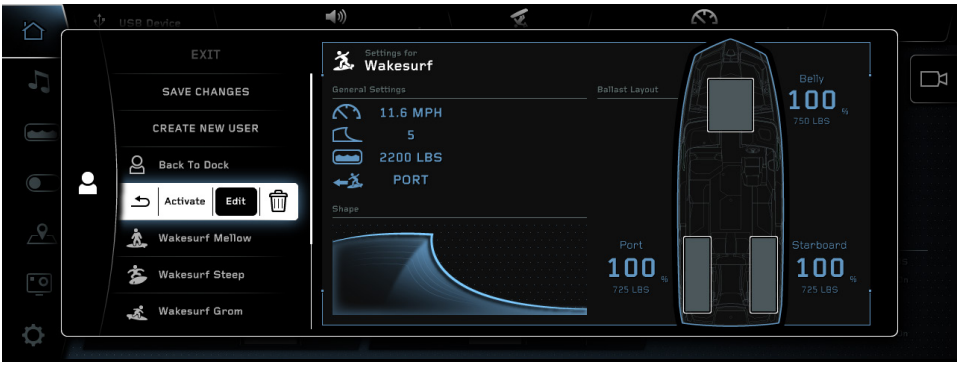


FIG. B3 - USER POP-UP MENU AFTER PRESSING THE USER BUTTON ON HELM COMMAND

Create New User - Selecting this will bring up a new list to select individual settings for a new user.

Selecting a different user profile - Each user profile will feature an icon and it's unique name. The operator can see settings for each profile as he/she scrolls through the list. When a user profile is highlighted, pressing in on the Helm Command knob will then bring up additional actions to choose from (see image above), including activate user, edit user, and delete user (trash icon). Selecting edit user will bring up the list of the individual settings for that user that can be changed.

Please see the following pages for instructions on how to edit an existing user profile and how to create a new user profile.

OVERVIEW

USING HELM COMMAND - USER BUTTON

FIG. B4 - EDITING A USER PROFILE

EDITING OR CREATING A USER PROFILE

The image above illustrates what the User pop-up menu looks like when editing an existing user profile or creating a new user profile.

Editing a user profile allows the operator to change each individual setting for the user profile, including the name, the icon, set speed, wave/wake shape settings, and individual ballast tank levels. These settings appear in a scrolling list and the operator may have to scroll all the way to the bottom to access all of the settings. If adjusting a user profile that is at Wakesurf speeds (below 13.0 mph or 20.9 kph), then the additional setting of “Surf Side” will appear in this list as well.

When settings are adjusted, the operator will see the corresponding settings change graphically on the right side.

When finished, either press “cancel” to cancel out of the new user process or press “Save Changes” to save the newly created user profile and return to the User List tab.

OVERVIEW

FIG. B5 - EDITING THE NAME FOR A USER PROFILE

When editing the user profile name, a full keyboard will appear on the right side. This keyboard will stay displayed until the operator presses “Enter” to accept the changes the name.

OVERVIEW

USING HELM COMMAND - SPEED CONTROL BUTTON

Pressing the Speed Control button opens a pop-up to allow the operator to quickly change the set speed from any menu (see image below)

FIG. C1 - POP-UP AFTER PRESSING THE SPEED CONTROL BUTTON ON HELM COMMAND

Once the Speed Control pop-up appears, the operator can perform the following functions:

Changing the Set Speed - by either rotating the Helm Command knob either direction or by pressing the plus and minus icons via touchscreen

Speed Control On/Off- by pressing down on the Helm Command knob or by pressing the pause icon via touchscreen.

The operator may also press and hold the speed control button at any time to toggle speed control on/off.

OVERVIEW

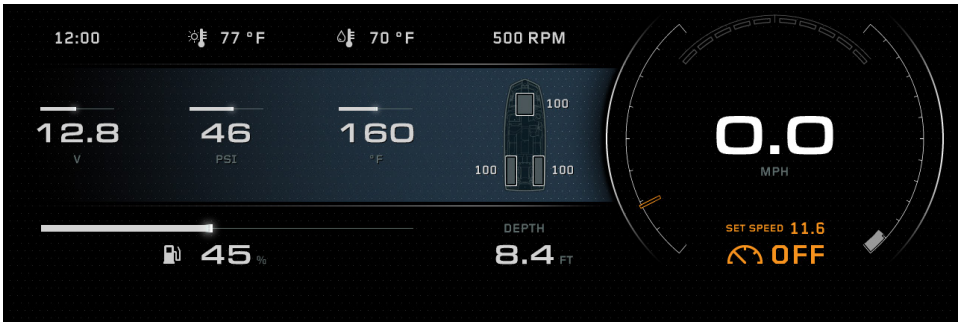


FIG. C2 - Gauge Display when Speed Control is OFF

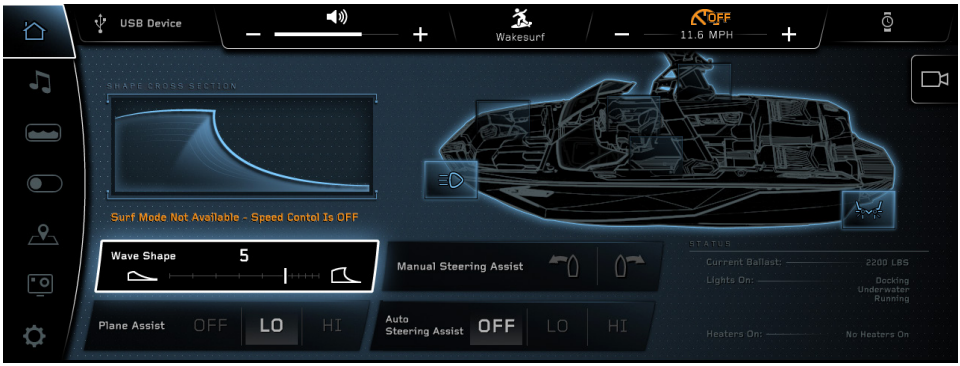


FIG. C3 - Interaction Display when Speed Control is OFF

Orange icons and indicators will appear on both displays when Speed Control is off.

Please note that if the set speed is below 13.0 mph (20.9 kph) and speed control is off, then Surf Mode will not be available because the boat could go up to planing speeds that are not ideal for surfing (see image above for reference). In this scenario, Plane Assist settings will appear in place of Surf Mode. Turning speed control back on will allow for Surf Mode again.

Please see the Home Menu section of this manual for more details on how to use Surf Mode and Plane Assist.

OVERVIEW

USING HELM COMMAND - TAB BUTTON

When the Tab button is pressed, the “highlight” will jump from one column of information to another to quickly navigate through the interface. The highlight will move left-to-right and will cycle all the back to the left side if pressed enough times.

FIG. D1 - PRESSING THE TAB BUTTON TO MOVE THE HIGHLIGHT TO THE WAKE SHAPE SETTING

OVERVIEW

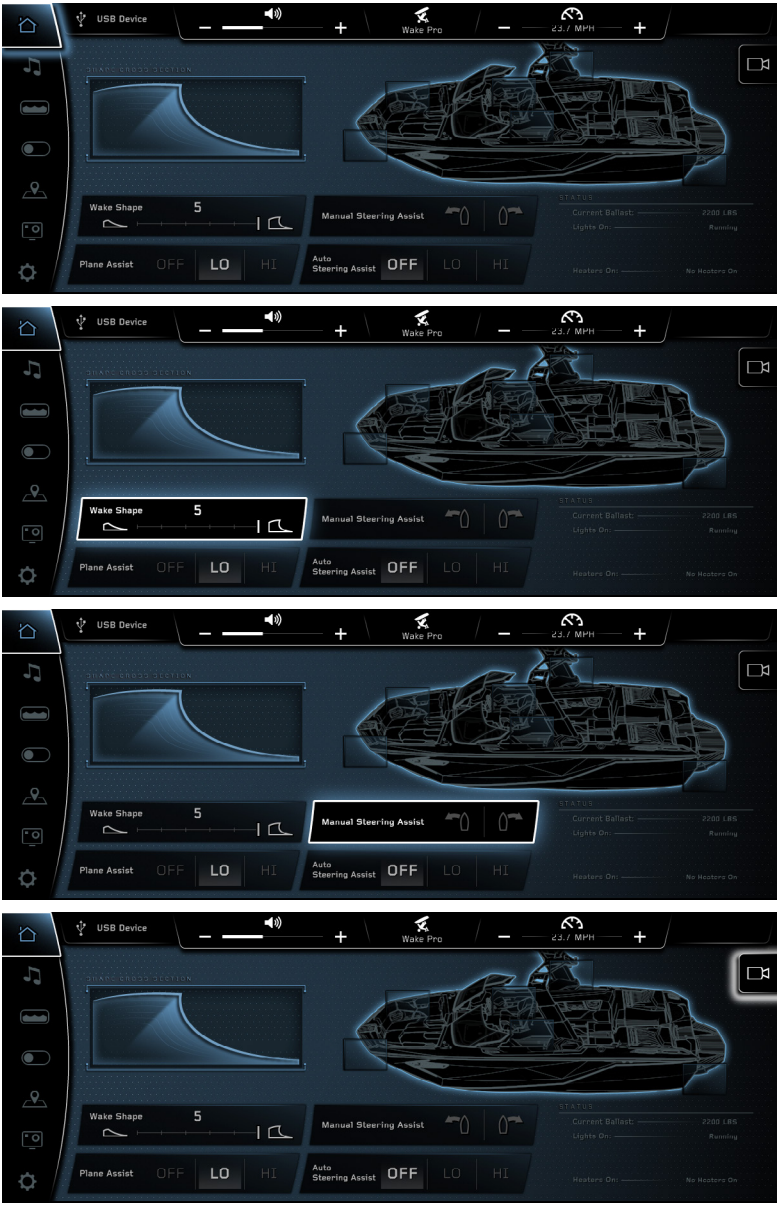


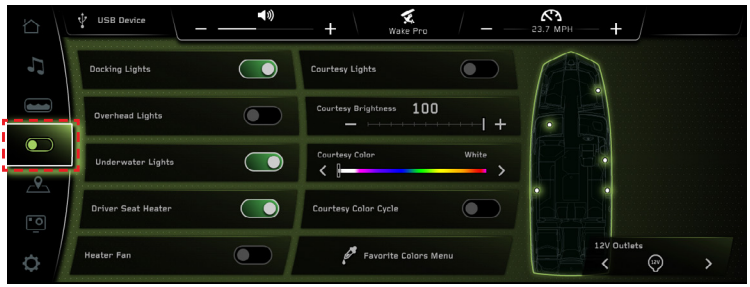
FIG. D2 - PRESSING THE TAB BUTTON 3 TIMES TO MOVE THE HIGHLIGHT ACROSS THE SCREEN

OVERVIEW

OVERVIEW

USING HELM COMMAND - HOME BUTTON

Pressing the Home button will always take the operator back to the Home menu so that he/she can have quick access to the important settings on the Home menu. The two screenshots below illustrate an example of pressing the Home button to transition from the Switching menu to the Home menu.



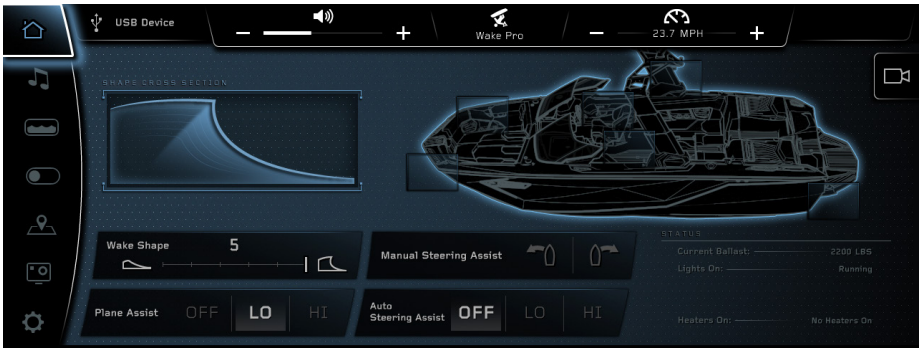


FIG. E1 - PRESSING THE HOME BUTTON TO RETURN TO THE HOME MENU FROM ANY OTHER MENU

HOME MENU

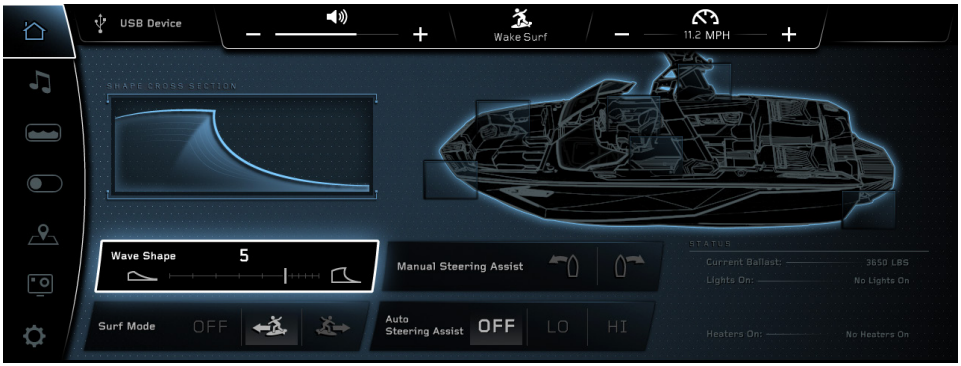


FIG. F1 - THE HOME MENU AT SURF SPEEDS (WITH OPTIONAL STEERING ASSIST SHOWN)

The Home Menu is dedicated to displaying 1) functions that control the wake/wave shape behind the boat and 2) functions that aid the maneuvering of the boat in certain scenarios.

The functions shown will change depending on whether the operator is in a set speed range for surfing (below 13.0 mph) or wakeboarding (13.0 mph or above). It is important to put the set speed in the proper range for the desired towed watersport. Please reference factory-created User profiles for good starting points for settings for each watersport/skill level.

Surf set speeds (below 13.0 mph) - the boat will NOT be planing on top of the water and an asymmetrical wave can be formed behind the boat. “Wave Shape” and “Surf Mode” will be the two functions shown.

> **Wave Shape** - The larger the number, the steeper the wave. The selected value for this will be illustrated by the “Shape Cross Section” graphic above the setting. There are eleven settings (0-10) available when surfing, with finer lip adjustment with the 6-10 settings.
>
> **Surf Mode** - displays if the surf system is on and if so, which side the surf wave is on. The surfer icon with the arrow pointing to the left indicates the Port side and the surfer icon with the arrow pointing to the right indicates the Starboard side (driver’s side). In the screenshot, the surf wave is set on the Port side. To change which side the surf wave is on, simply press the surf wave icon that is not highlighted. If the operator presses the surfer icon that is not highlighted while driving at set speed, the surf wave will quickly move to that side while the boat is underway. If Surf Mode is OFF, then the wave will stay symmetrical behind the boat and will not be large enough on either side to properly surf behind. (NOTE: Surf Mode is not available when Speed Control is Off)

HOME MENU

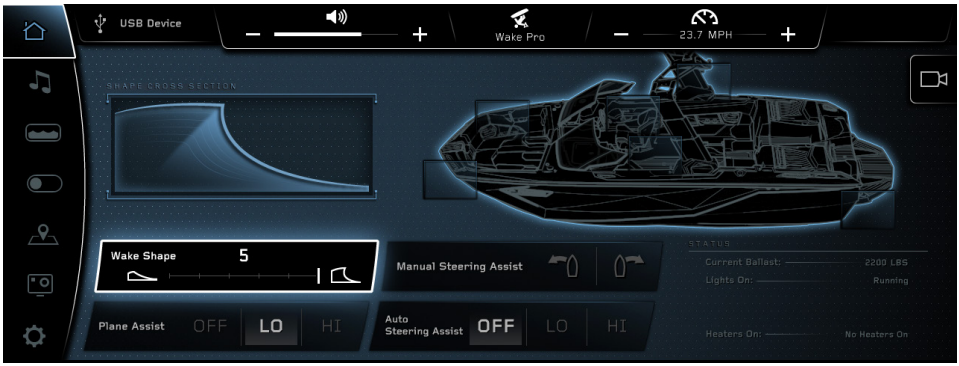


FIG. F2 - THE HOME MENU AT WAKEBOARD SPEEDS (WITH OPTIONAL STEERING ASSIST SHOWN)

Wakeboard set speeds (13.0 mph or above) - the boat should be, in most circumstances, planing on top of the water and have a symmetrical wake formed behind the boat. “Wake Shape” and “Planing Assist” will be the two functions shown.

Wake Shape - The larger the number, the steeper the wake. The selected value for this will be illustrated by the “Shape Cross Section” graphic above the setting. There are six settings (0-5) available when in a wakeboarding set speed range. The 0 setting may be more desirable for waterskiing or tubing.

Plane Assist – helps getting the boat on plane quickly and staying on plane in tight turns by moving the actuated Hydro-Plate based on the setting, ballast levels, and other dynamic conditions.

Off - the Hydro-Plate will remain at the Wake Shape position

Low - the Hydro-Plate will move up or down in smaller increments to help the boat get on plane quickly and stay on plane in tight turns. This setting is recommended for boats that are lightly loaded and have a small number of passengers

High - the Hydro-Plate will move up or down in larger increments to help the boat get on plane quickly and stay on plane in tight turns. This setting is recommended for boats that are heavily loaded and have a large number of passengers

Please see the following pages for more details on how Wave/Wake Shape and Planing Assist works in conjunction with the actuated NCRS and NSS systems located at the rear of the boat.

HOME MENU

e)

HOME MENU

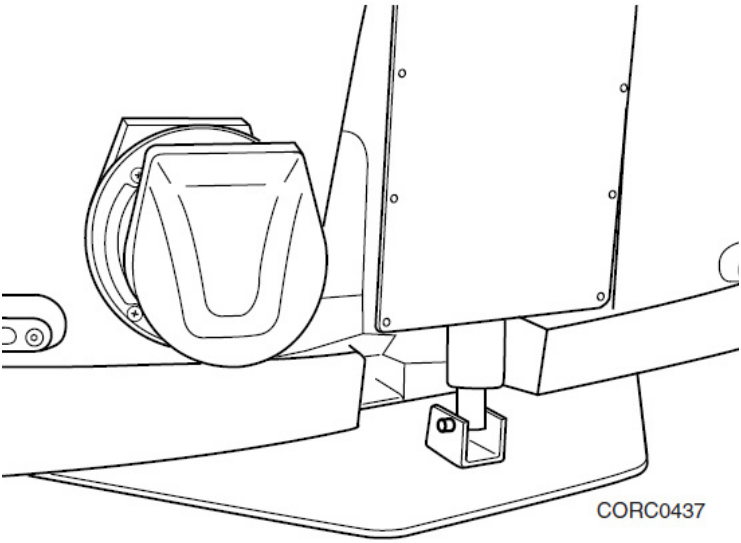


FIG. F3 - NAUTIQUE HYDRO-PLATE (LOCATED AT THE REAR OF THE BOAT)

NCRS AND NSS SYSTEMS

The primary way to control the wake/wave behind the boat is through the Wake/Wave Shape function on the Home Menu. This function helps control the automated NCRS and NSS systems and ensures they work in conjunction with one another to produce the desired wake/wave shape.

The NCRS (Nautique Configurable Running Surface) system is an active vessel control system that uses the Nautique Hydro-Plate (illustrated in the figure above) to change the attitude or running angle of the boat based on user setting, ballast levels, and dynamic conditions. By controlling the boat's attitude, the NCRS system aids in planing, helps keep the boat on plane in tight turns, and reduces bow rise for improved visibility. NCRS also functions as a wave/wake shaping device. By varying the Wake/Wave Shape setting, the user can transform the shape of the wake from a rounded mellow ramp to a pro level lip in seconds.

NSS (Nautique Surf System) is a similar system with actuated plates on either side of the rear of the boat. The Wave Shape setting will inform the NSS system how much to eject the plates out on either side to produce the desired surf wave.

HOME MENU

FIG. F4 - THE HOME MENU AT WITH OPTIONAL STEERING ASSIST SHOWN

STEERING ASSIST*

***NOTE -** The above screenshot shows the Steering Assist functions . These functions will only appear if Nautique Integrated Steering Assist (NISA) is equipped.

Nautique Integrated Steering Assist utilizes a stern thruster mounted on the rear of the boat to supplement the steering in forward and reverse as well as helping to reposition the boat at rest. Nautique Integrated Steering Assist can only be used when the engine is running AND the boat speed is under 4 mph (6.5 kph).

WARNING - Just like a boat propeller, the NISA thruster propeller rotates at a high rate of speed and while it is in use the rotating propeller may cause serious injury or death. You should not approach the ladder or swim platform while it is in operation. Even though the propeller is contained within a tunnel, there is a large volume of water pulled through the tunnel by the propeller when it is in-use, which results in potential for limbs to be pull towards the blades.

The NISA thruster is designed for low speed use only. To optimize the run time of the thruster it should be used at rest or with the boat in gear at idle. Sudden increases in speed and sharp turns at increased engine speed can produce turbulence which could result in cavitation of the propeller. In lightly loaded scenarios it is also helpful to have the boat weighted so that it is level port to starboard.

HOME MENU

Manual Steering Assist - Bow Port/Bow Starboard - the Manual Steering Assist feature allows the operator to manually reposition the boat while the boat is at rest without a) input from the steering wheel or b) having to be in gear. The operator may select either of the two Manual Steering Assist options by either touching those icons on the display or by selecting them with the Helm Command rotary knob. To select them with the rotary knob, highlight the Manual Steering Assist graphic and then press the knob down like a button. The graphic will then turn white; while the graphic is white, tilt the knob like a joystick left (port) or right (starboard). **Full, 100% thrust will continue to be given for as long as the knob is tilted left/right or for as long as one of the touchpoints icon is pressed.**

Auto Steering Assist - Off/Low/High - this will enable the automatic steering assist feature, which will determine the direction and amount of thrust based off of the steering wheel position and the direction the throttle is put into gear. In forward gear, moving the wheel to starboard will cause the bow to move to starboard. Moving the wheel to port will cause the bow to move towards port. When the boat is in reverse gear, moving the wheel to starboard will cause the transom to move towards starboard. Moving the wheel to port will cause the transom to move towards port (just as a car would steer in reverse backing up).

With the wheel "centered" there will be no output commanded from the Automatic Steering Assist. There is a "dead band" with the wheel centered and just off center to the port and starboard to allow a neutral area/ starting point. As the wheel is moved outside the "dead band" the gauge on the display indicates amount of thrust being commanded (this is also an indication of steering wheel/rudder position). Use the minimal amount of thrust required to get the response needed for the maneuver in order to optimize run time of the thruster. This means rotating the wheel slowly from the "dead band" in the direction you desire until the desired amount of movement of the boat is achieved. It is also best practice to keep the thruster on the lowest thrust setting required for load or conditions.

Please see the following page for additional information on Nautique Integrated Steering Assist and how it is presented on the Gauge display (left screen).

HOME MENU

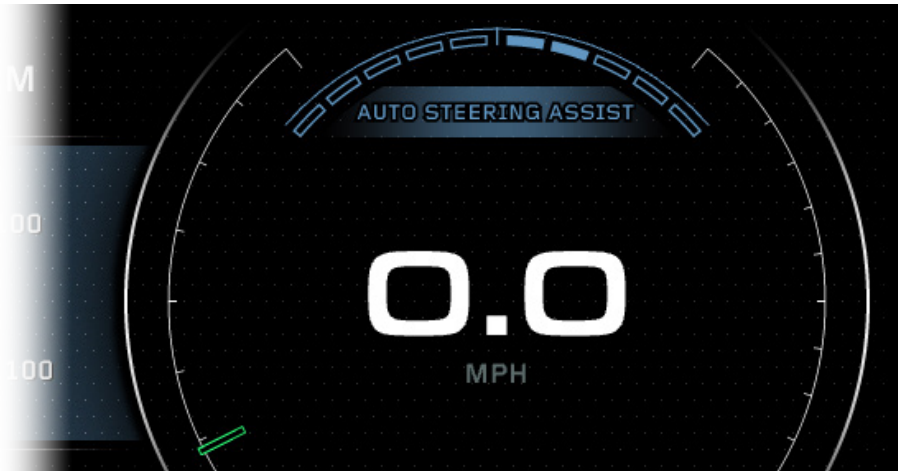


FIG. F5 - GAUGE DISPLAY, STEERING ASSIST GRAPHICS - THRUSTER IS IN USE (BLUE GRAPHICS)

STEERING ASSIST* (GAUGE DISPLAY)

***NOTE -** The above screenshot shows the Steering Assist functions . These functions will only appear if Nautique Integrated Steering Assist (NISA) is equipped.

If the boat is equipped with NISA, then NISA related graphics will be displayed above the speedometer. The color of the NISA graphics will change depending on the condition of the system.

If Auto Steering Assist is set to Low or High, then the text “Auto Steering Assist” will be displayed to inform you that NISA will automatically activate the stern thruster when 1) the boat is below 4 mph 2) the boat is in gear and 3) the steering wheel is turned past the “dead band”.

The curved line above the segmented gauge indicates the amount of run time that the stern thruster can be used; the smaller the curved line, the smaller amount of run time that remains.

The segmented gauge illustrates the current steering wheel/rudder position. This will correspond to the amount of thrust when Auto Steering Assist is turned to Low or High. In the image above, the operator has the wheel turned to the right a fair amount, as illustrated by the two solid blue bars in the segmented gauge.

HOME MENU

FIG. F6 - GREY COLORED GRAPHICS, STERN THRUSTER NOT IN USE AND AUTO STEERING ASSIST OFF

FIG. F7 - BLUE COLORED GRAPHICS, STERN THRUSTER IN USE AND AUTO STEERING ASSIST ON

GRAY Colored Graphics (top image) - the NISA stern thruster is not currently in use.

BLUE Colored Graphics (lower image) - the NISA stern thruster is currently in use, either from the Automatic Low/High setting or from one of the Manual port/starboard inputs. If the stern thruster is in-use from the Low/ High Automatic settings, the amount of thrust will be determined by the steering wheel position (so 2/5 of available thrust would be given in the image above with the two solid blue bars).

HOME MENU

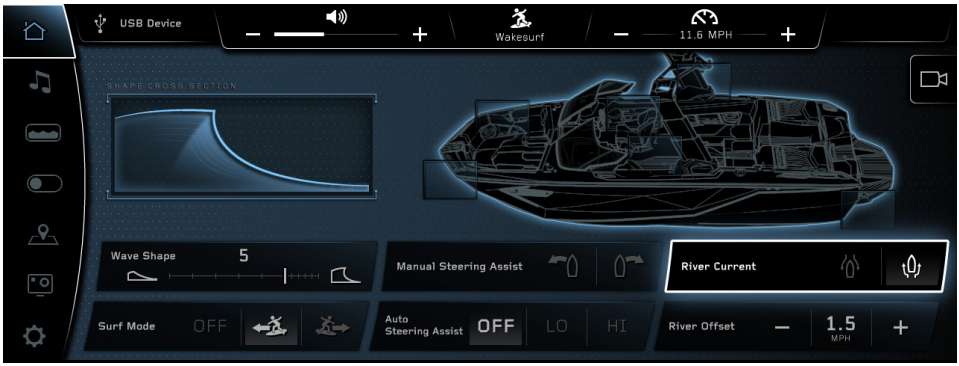


FIG. F8 - GPS RIVER MODE FOR BOATS EQUIPPED WITHOUT PADDLE WHEEL

GPS RIVER MODE*

***NOTE:** River Mode is turned on/off from the Preferences Menu. River Mode is turned off by default and River Mode functions will **not** be displayed on the Home Menu unless the setting is turned on in the Preferences Menu.

LINC's GPS River Mode is a feature that allows the driver to keep the boat's speed-over-water constant at the push of a button when a current is present.

The above image illustrates what River Mode will look like on the Home Screen when the optional Paddle Wheel speed control is NOT equipped. It is a GPS based river mode where the operator will need to estimate the river current speed. To compensate for the river current, the boat's speed-over-ground or "GPS speed" must be adjusted up or down, depending on the direction of the boat relative to the current. GPS River Mode has two key settings:

River Current - should be pressed when driver is changing directions from traveling against-the-current to traveling with-the-current, or vice versa.

River Offset - should be adjusted up or down to equal the estimated current speed. This offset number will be added to or subtracted from the GPS speed depending on the River Current direction.

In River Mode, the number displayed as the current speed in the Gauge screen is the speed-over-water. Speed-over-water is the GPS speed plus or minus the River Offset number (-1.5 mph in the image above since the boat is traveling with the current flow).

HOME MENU

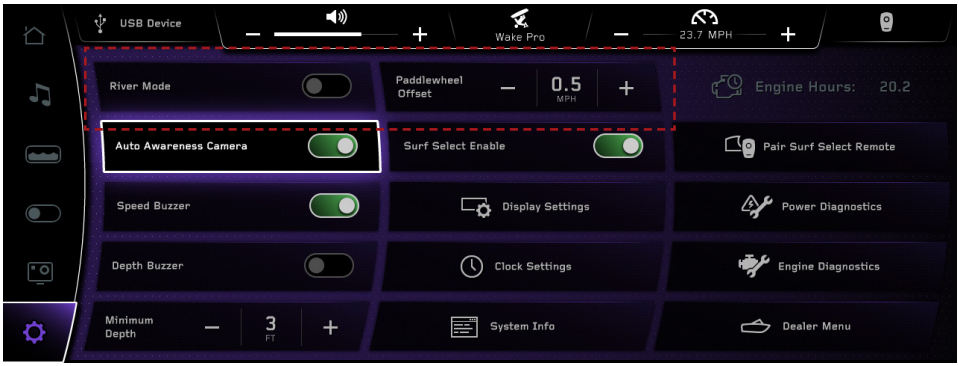


FIG. F9 - PADDLE WHEEL SETTINGS IN THE PREFERENCE MENU

PADDLE WHEEL RIVER MODE*

***NOTE:** River Mode is turned on/off from the Preferences Menu and is turned off by default. The Preferences screenshot above will look different if you do not have the Paddle Wheel option on your boat.

If your boat is equipped with optional Paddle Wheel speed control, the River mode will operate differently than GPS River Mode. When River Mode is turned ON for boats equipped with a Paddle Wheel, then it will use the paddle wheel device to determine speed instead of the GPS antenna. No additional River Mode settings will be shown on the home screen.

In most conditions, GPS is more accurate, but, when in a river or body of water with a current, the GPS system does not account for the speed of the river current. It is recommended to turn River Mode on ONLY when in a river or body of water with a current in boats equipped with Paddle Wheel.

On the Preferences page, an additional setting will appear for boats equipped with Paddle Wheel speed control:

> **Paddle Wheel Offset -** lets the operator adjust the offset of the paddle wheel speed input. The Paddle Wheel Offset is calibrated from the factory, so it is recommended that the operator leave this setting alone unless they suspect that the Paddle Wheel needs re-calibrating so that the boat can achieve the proper speed. When in doubt, contact your local dealer if you think the boat is measuring the incorrect speed or think you need to adjust the Paddle Wheel Offset.

HOME MENU

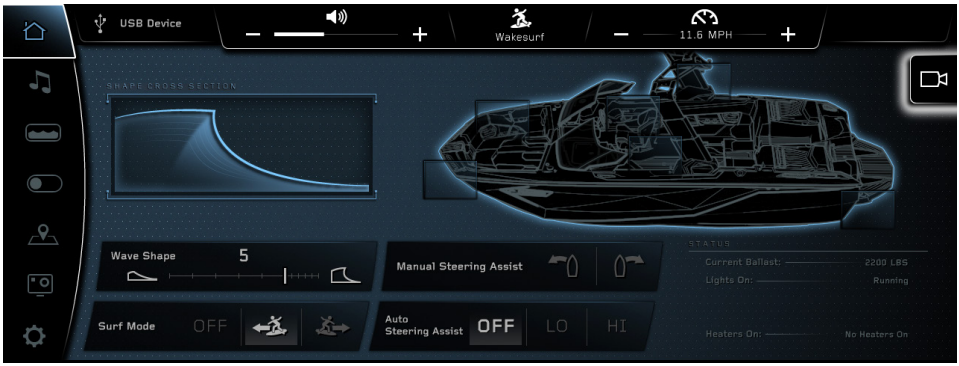


FIG. F10 - THE AWARENESS CAMERA ICON HIGHLIGHTED ON THE HOME MENU

AWARENESS CAMERA

The Awareness Camera is mounted at the top of the tower and it allows the operator to have a wide angle view of the back of the boat. To view the awareness camera, the operator can navigate to the camera icon in the upper right corner of the Home Menu.

When selected, the smaller version of Awareness Camera will pop-up on the right side of the screen and will only cover up the settings/information on the far right.

Selecting “Close Out” will remove the Awareness Camera pop-up. Pressing “Enlarge” will change the Awareness Camera pop-up to the larger size.

The larger version of Awareness Camera will cover up the settings/information in the middle and right side of the screen. The menu arc and the left column functions (Wave Shape and Surf Mode in the example) can still be accessed.

Selecting the X icon will remove the Awareness Camera pop-up. Pressing the icon with the two arrows facing one another will change the Awareness Camera pop-up to the smaller size.

NOTE - There is an Auto Awareness Camera setting on the Preferences menu. If this is turned on, the Awareness Camera will automatically appear on the Home Menu when the boat is at lower speeds.

HOME MENU

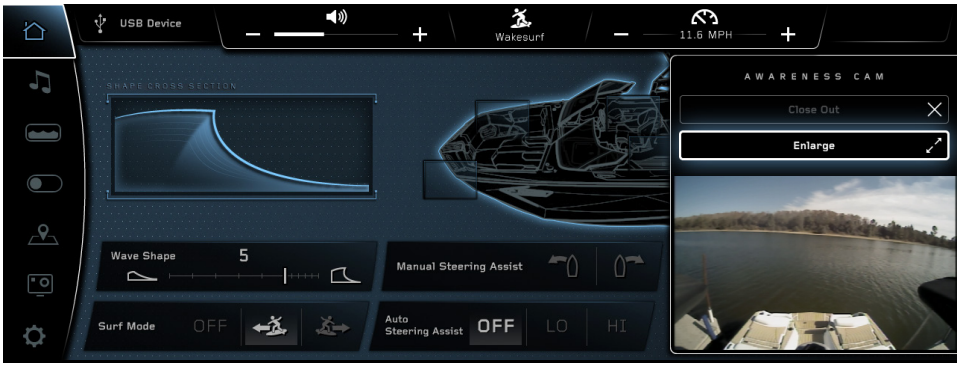


FIG. F11 - SMALLER VERSION OF THE AWARENESS CAMERA

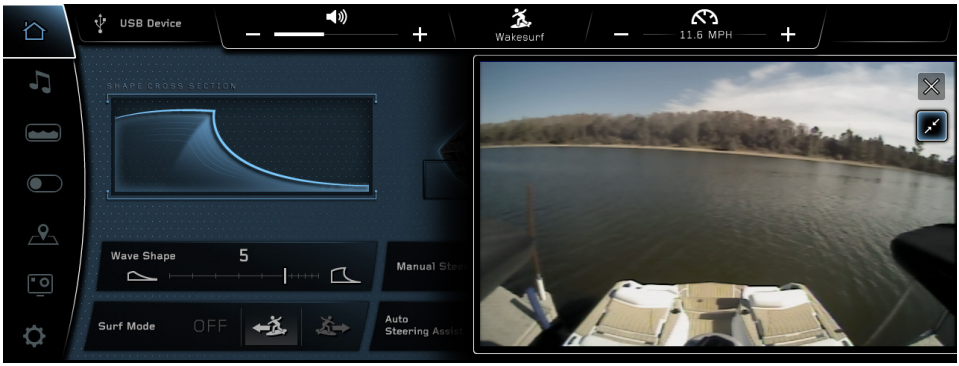


FIG. F12 - LARGER VERSION OF THE AWARENESS CAMERA

AUDIO MENU

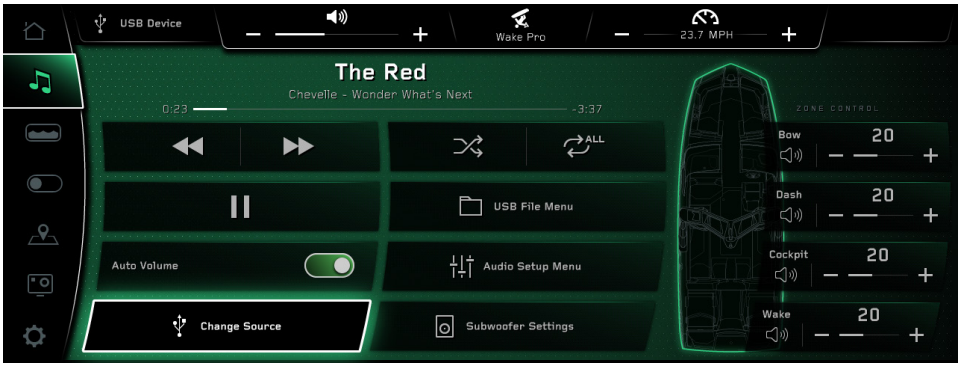


FIG. G1 - THE AUDIO MENU

The Audio Menu provides universal control to the audio system, containing all of the same controls and settings as the stereo head unit.

The Audio Menu contains the following items:

Currently playing track and artist (or radio station)

Previous Track/Next Track (or seek backward/seek forward) - skips to the previous song or the next song if using Bluetooth or USB inputs (or it will change the frequency/channel if using AM, FM or SirusXM sources)

Play/Pause (or Unmute/Mute) - will toggle Play/Pause if using Bluetooth or USB inputs (or it will toggle Unmute/Mute if using AM, FM, SirusXM or Auxiliary inputs)

Auto Volume- a feature that gradually increases/decreases the overall volume of the audio system as the operator increases/decreases the speed of the boat.

The Auto Volume Minimum/Maximum values will automatically adapt to volume changes that the operator makes while driving. For example, if the operator is at 2 mph and he/she lowers the volume to “5”, then the volume will lower to “5” whenever the operator is below 5 mph again. If the operator is driving at the set speed (23.7 mph in the image above) and he/she increases the volume to “31”, the volume will then become “31” whenever he/she reaches the set speed again. The Minimum and Maximum values will not change until the operator changes the volume again below 5 mph (thus changing the Minimum) or changes the volume at set speed (thus changing the Maximum).

AUDIO MENU

Source - The source name and icon will dynamically change depending on which source is chosen. Additional functionality may appear on the Audio Menu when certain sources, like Bluetooth and USB, are chosen.

Pressing the Source function will bring up a pop-up menu that offers the following source options to be selected:

Bluetooth - stereo plays audio from a bluetooth connected device. Additional pairing and connecting functionality will appear when Bluetooth is selected. “Enter Pairing Mode” searches for nearby Bluetooth devices to pair with. Please ensure that the Bluetooth device you are trying to connect with is in “discoverable mode” before pressing pair. Once connected, music from the device can be played through LINC. Previously connected devices can be accessed through the “Bluetooth Devices” pop-up menu.

USB - stereo plays from a device connected to the USB port in the passenger’s side glove box. Shuffle, Repeat and USB File Menu functions will appear when USB is selected. The USB File Menu function will bring up a pop-up menu that will allow the operator to navigate through the folders and files that are on the USB connected device. Please note that it may take a while for the system to load all of the folders/files that are stored on the USB device.

Aux Input - stereo plays from the 3.5 mm Auxiliary input

SiriusXM - stereo plays SiriusXM satellite radio channels

FM radio - stereo plays FM radio frequencies

AM radio - stereo plays AM radio frequencies

Weather - stereo plays Weather Band frequencies

Stereo Off - stereo is turned off

Please see the following pages for additional Audio Menu functions and settings.

AUDIO MENU

FIG. G2 - THE AUDIO SETUP POP-UP ON THE AUDIO MENU

The Audio Setup pop-up menu enables operators to fine tune the audio system to their preferences. The operator can adjust the overall Treble, Midrange, Bass, and Balance from this pop-up menu.

Treble - modifies sounds from the audio system that are high in pitch

Midrange - modifies sounds from the audio system that are in the frequency range between 250-2000 Hz

Bass - modifies sounds from the audio system that are low in pitch

Balance - adjusts the sound port-to-starboard (left-to-right). Increasing the balance will increase the volume on the starboard side of the boat and decrease the volume on the port side of the boat and vice versa.

The Subwoofer Settings* pop-up menu enables operators to adjust the volume gains of the subwoofers (in a similar fashion as the Audio Setup pop-up menu).

Cockpit Sub - modifies the volume gains of the two subwoofers located in the main cockpit.

Wake Sub (optional) - modifies the volume gains of the 2 subwoofers located in the rear of the boat. These subwoofers are specifically designed for people surfing, riding, or skiing behind the boat.

*If certain optional speaker/audio packages are not selected, then there will be a direct way to control the Cockpit Sub instead of a Subwoofer Settings pop-up menu.

AUDIO MENU

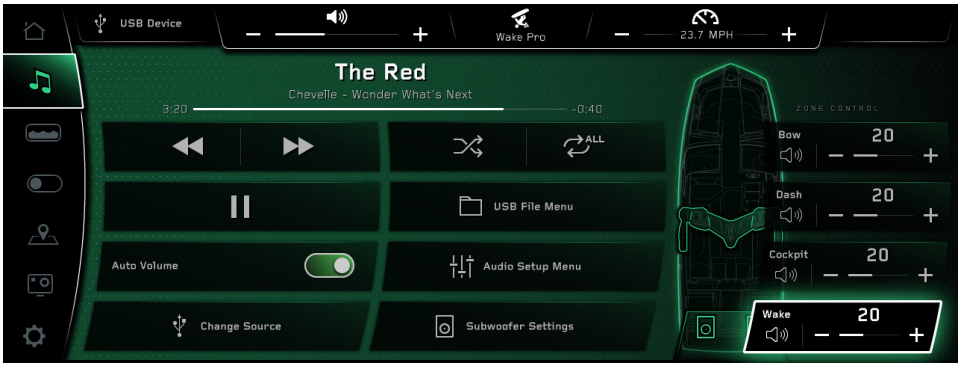


FIG. G3 - ZONE CONTROL SETTINGS ON THE AUDIO MENU

ZONE CONTROL

The Audio menu also features an overhead boat graphic on the far right side with four zone control functions overlaid on top. When a particular zone is selected, then that corresponding area will be highlighted on top of the boat graphic (the Wake Zone is highlighted in the example above)

The volume gains can be adjusted for the following zones:

Bow - controls the two 7.7” speakers in the bow

Dash - controls the two 6.5” Wavefront speakers under the dash on the Driver’s and Passenger’s sides.

Cockpit - controls the four 7.7” speakers and two subwoofers in the main cockpit area

Wake - controls the four 8.8” speakers (two per housing) in the tower and can also control the two WakeSub subwoofers, if equipped.

BALLAST MENU

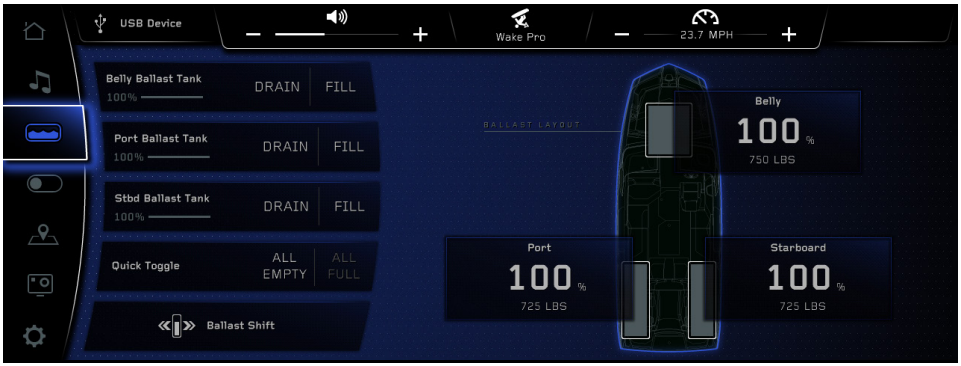


FIG. H1 - THE BALLAST MENU

Super Air Nautique boats contain integrated ballast tanks that use pumps to fill or drain the tanks with water for the purposes of enhancing the wake size for wakeboarding or wakesurfing. The Ballast Menu allows the operator to adjust how those ballast tanks are filled or drained. This menu features an overhead graphic on the right side with an illustration of each tank and their current level. The levels for each tank will change blue whenever that particular ballast tank is filling or draining. A smaller, corresponding overhead ballast graphic is permanently shown on the Gauge display (left screen).

If an operator presses “Fill” on a particular tank on the left column of functions, the pump will turn on and continue to fill that tank until it is 100% full. The operator may, at any time, press “stop pump(s)” to turn the pump(s) off.

If an operator presses “Drain” on a particular tank on the left column of functions, the pump will stay on and continue to drain that tank until it is completely empty, at 0%. Once again, the operator may, at any time, press “stop pump(s)” to turn the pump(s) off.

The Quick Toggle feature allows the operator the fill or drain all ballast tanks simultaneously by selecting All Full or All Empty.

Ballast Shift allows the operator to shift weight Port-to-Starboard, or vice versa, in 50 lb (23 kg) increments. This is useful when the boat is slightly unbalanced and needs to have weight adjusted in small increments.

To use Ballast Shift, just select Ballast Shift and a pop up menu will appear (see figure on following page). Select the amount of weight to be shifted to the Port or Starboard sides. The boat will then turn on the ballast pumps to fill /drain the proper pumps to shift the selected amount of weight over.

BALLAST MENU

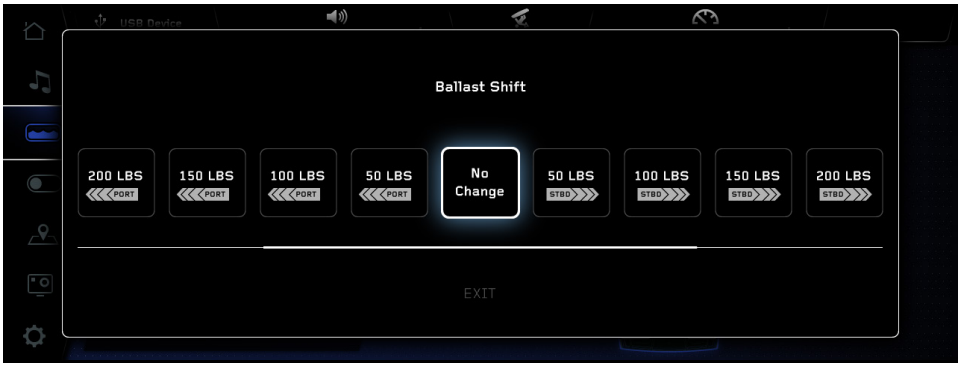


FIG. H2 - THE BALLAST SHIFT POP-UP MENU

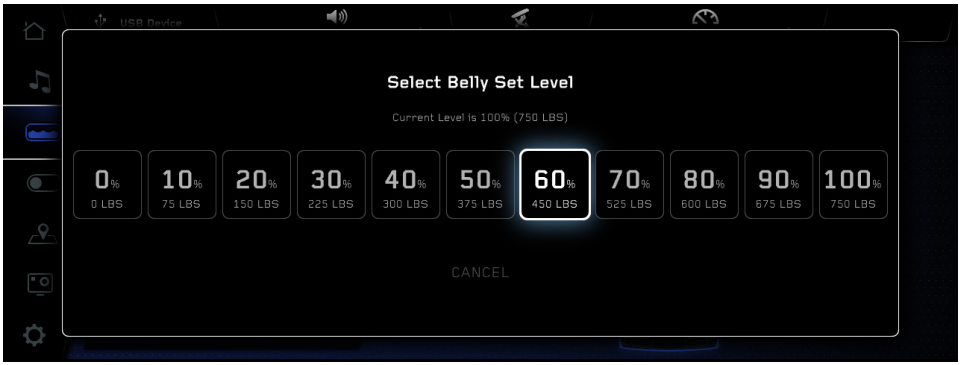


FIG. H3 - A BALLAST SET LEVEL POP-UP MENU (BELLY SHOWN)

To set an individual ballast tank to a specific level, select one of the blue rectangular boxes overlaid on top of the overhead graphic. A Set Level pop-up menu will then appear for that tank. Select the desired level and the corresponding ballast pump will fill /drain that tank to the desired level.

Remember, specific ballast set levels can be saved to User profiles for quicker access to customized settings for future use.

SWITCHING MENU

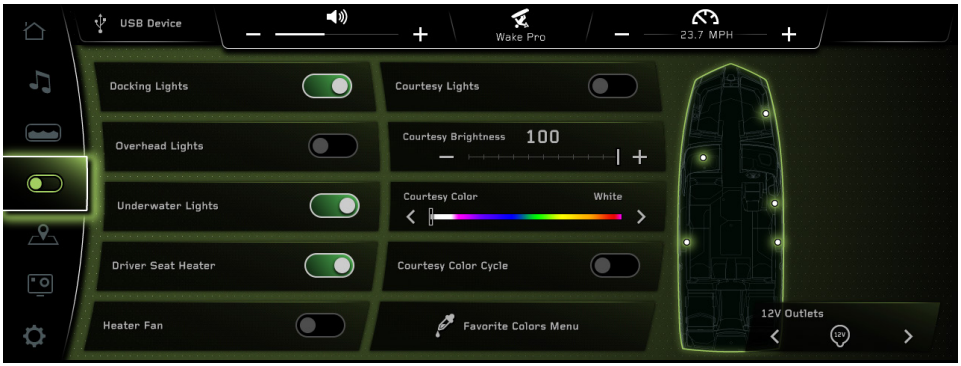


FIG. J1 - THE SWITCHING MENU

***NOTE** - some of the functions shown in above screenshot are optional and are not equipped on every boat.

****NOTE** - the Nav/Anchor light switch is located on the keypad below the Interaction display (right screen) and the passenger seat heater switch (if equipped) is located in the glove box compartment.

The Switching Menu displays digital switches for lights, the heater fan and the seat heater pads in the driver's seat. This menu also features and overhead graphic that points out key features of the boat.

Docking Lights - turns the docking lights at front of the bow on/off

Overhead Lights - turns the lights under the tower on/off

Underwater Lights - turns the underwater lights at the stern of the boat (under the waterline) on/off

Driver Seat Heater - turns the Driver seat heating pads on/off

Heater Fan - turns the heater fan on/off

Courtesy Lights - turns all of the courtesy lights on/off

Courtesy Brightness - adjusts the brightness of the courtesy lights in increments of 10%

SWITCHING MENU

Courtesy Color - will select one color for all courtesy lights (unless Courtesy Color Cycle is turned on). White will be selected by default. Users can scroll through the spectrum bar either by touchpoint or by using the Helm Command rotary knob

Courtesy Color Cycle - will constantly cycle through multiple colors if turned on. The courtesy lights will slowly fade from one color to another.

Favorite Colors Menu - brings up a pop-up menu that allows the operator to choose a factory pre-set /saved color for the courtesy lights (See Fig. K5). There are 12 colors that are factory pre-set; most of these colors are matched specifically to Nautique's vinyl colors. In addition to these 12 colors, there is room for 4 more additional, operator-selected colors. Please note that the 12 factory pre-set colors and the 4 other user-selected colors can be deleted or overwritten. A factory rest of the LINC system will default the system back to the 12 factory pre-set colors and the 4 empty slots.

When a color slot is selected in the Favorite Colors pop-up, several options appear (see Fig. K6):

Back Arrow Icon - Will take the operator back to the list of favorite colors

Select - Will immediately change all courtesy lights to that specific color

Overwrite - Will overwrite that slot with the current color of the courtesy lights. An additional Keyboard pop-up will appear to allow the user to rename that color slot.

Delete - will delete the color name and information from that particular slot. Once deleted, the slot will then say <EMPTY>.

In the far right bottom corner will be a area to control and cycle through which key features are shown on the overhead boat graphic. The shown features are:

12 Volt Outlets
USB Inputs
3.5 mm Auxiliary Input
T-Handle drain
Batteries
Bilge Pump

The operator cannot control any of these features through LINC; this is meant to just simply display the location of those features for reference.

MAP MENU

FIG. K1 - THE MAP MENU

***NOTE** - GPS mapping is an optional feature. If your boat is not equipped with GPS mapping, then this menu will not appear on the Interaction Screen.

The Map Menu displays an overhead GPS map of the surrounding area of the boat. The boat's current location at is represented by a green boat icon, and with surrounding bodies of water shown in shades of blue and white. The different shades of blue and white illustrate approximate depths of water. Depths may not be available for smaller, uncharted bodies of water.

The Map menu contains four pre-dominant functions:

Enable Joystick - if selected, enables the operator to move around the map by moving the Helm Command knob like a joystick. The operator can joystick in four directions: up, down, left, and right.

Course Up/North Up - toggles orientation of the map. Course Up will rotate the map according to where the front of the boat is pointed to. North Up will always orient the map to where North is at the top of the screen.

Zoom In (magnifying glass with plus sign) - Zooms in on the map

Zoom Out (minus sign) - Zooms out on the map

In addition to the four predominant functions, there is a **slideout window** for waypoints and tracks. To view the slideout window, either press the yellow arrow icon on the screen (far right side) or joystick over to the right with the Helm Command knob. Please see the next couple of pages to learn about the operation of the slideout menu, waypoints, and tracks on the Map Menu.

MAP MENU

FIG. K2 - SLIDEOUT WINDOW FOR WAYPOINTS AND TRACKS

The above figure shows the slideout window exposed. To hide the Slideout window, just press on the yellow arrow on the screen or joystick over to the left with the Helm Command knob.

The slideout window contains five functions:

Waypoint Manager - takes the Operator to the waypoint manager, where saved waypoints can be edited and deleted (see following pages for further explanation)

Save Waypoint - saves a new waypoint where the cursor is currently located

Track Manager - takes the Operator to the track manager, where saved waypoints can be edited and deleted (see following pages for further explanation)

Save Track- saves the current track of the boat

Clear Track- clears the current track of the boat

MAP MENU

FIG. K3 - WAYPOINT MANAGER

WAYPOINT MANAGER

When the operator selects Waypoint Manager, he/she will then be given a list of all the previously saved waypoints. Once a waypoint is selected, the operator may do the following from the Waypoint Manager:

Change Icon/ Edit Name - changes the icon or edits the name of the waypoint. Four icons are available for waypoints: fish, anchor, gas pump, or flag.

Show On Map - moves the map to the saved waypoint

Delete Waypoint - deletes the waypoint

Go Back - goes back to the list of waypoints

MAP MENU

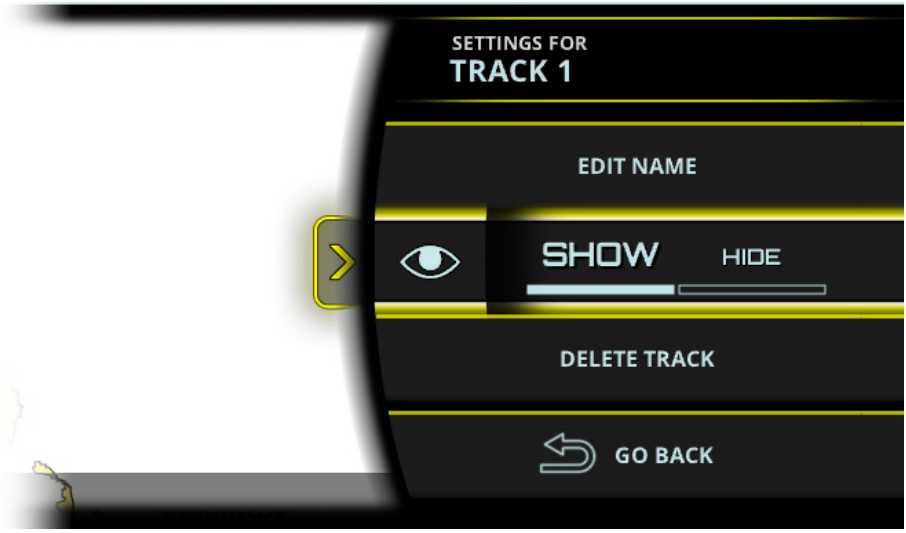


FIG. K4 - TRACK MANAGER

TRACK MANAGER

When the operator selects Track Manager, he/she will then be given a list of all the previously saved Tracks. Once a track is selected, the operator may do the following from the Track Manager:

Edit Name - allows operator to edit the name of the track

Show/Hide - toggles whether the track is shown or hidden

Delete Track - deletes the track

Go Back - goes back to the list of tracks

GOPRO MENU

FIG. L1 - THE GOPRO® MENU

The GoPro® Menu allows the operator to control a GoPro® camera through a WiFi connection with the LINC screen. In order to connect to the LINC screen, you must use a GoPro® camera with built in WiFi functionality (HERO4 or newer).

This menu contains the following information/functions:

GoPro® Record/Capture/Timelapse - If in video mode, this will start or stop video recording. If in single photo mode, this will take one picture. If in burst photo mode, this will take multiple pictures. If in Timelapse photo mode, it will start or stop the timelapse recording.

GoPro® Auto Record - If video or photo timelapse mode are selected, Auto Record will automatically start recording once the boat's speed is greater than 8 mph and will automatically stop recording once the boat's speed is less than 7 mph.

GoPro® Mode - selects the mode of the connected GoPro® camera. The four selectable modes are 1) Video 2) Single Photo 3) Burst Photo and 4) Timelapse Photo.

New GoPro® Camera - Will bring up a pop-up menu so that the operator can connect a new GoPro® camera through WiFi. (Please see the following pages for further instructions of the connecting process)

Saved GoPro® Cameras - Will bring up a pop-up menu of the previously used GoPro® cameras. The operator may then choose to connect or delete any previously used cameras.

GOPRO MENU

FIG. L2 - THE GOPRO® MENU IF NO CAMERA IS CONNECTED

Camera Info/Preview - If a GoPro® camera is connected, this area will contain the resolution/frames per second, current battery level, and recording time remaining (or number of images remaining). This area also contains a preview window that can display a live video feed from the connected camera. The operator can select Start Preview by touchpoint or by using the Helm Command knob.

Please note that this preview feature will be unavailable while the camera is recording/in-use.

If no camera is detected, this area will say “No GoPro Connected” (see above image)

Please see the following pages for additional instructions on how to connect and control a GoPro® camera through LINC.

GOPRO MENU

FIG. L3 - THE GOPRO® MENU WITH NEW GOPRO CAMERA HIGHLIGHTED

CONNECTING A NEW GOPRO® CAMERA

***NOTE** - Before initiating the connecting process through LINC, make sure that your wireless network is turned on from your GoPro® camera.

To add a new camera, select “New GoPro Camera” and a pop-up menu will appear.

From the pop-up menu, select “Scan for GoPro Cameras” so that LINC can search for nearby wireless networks. When the scanning process is complete, a list of available wireless networks will appear with the signal strength indicated to the left of the network name.

Scroll down to select the desired camera. From there, a keyboard will pop up for you to enter the password for the GoPro WiFi (the password may be displayed on your camera’s screen).

After entering the password, the pop-up menu will disappear, the system will finish the connecting process with the camera, and then the name of the camera will appear with a battery status icon and the “Connected” text. At this stage, you may now remotely control your GoPro® camera through the GoPro® Menu.

GOPRO MENU

FIG. L4 - POP-UP MENU FOR CONNECTING A NEW GOPRO® CAMERA

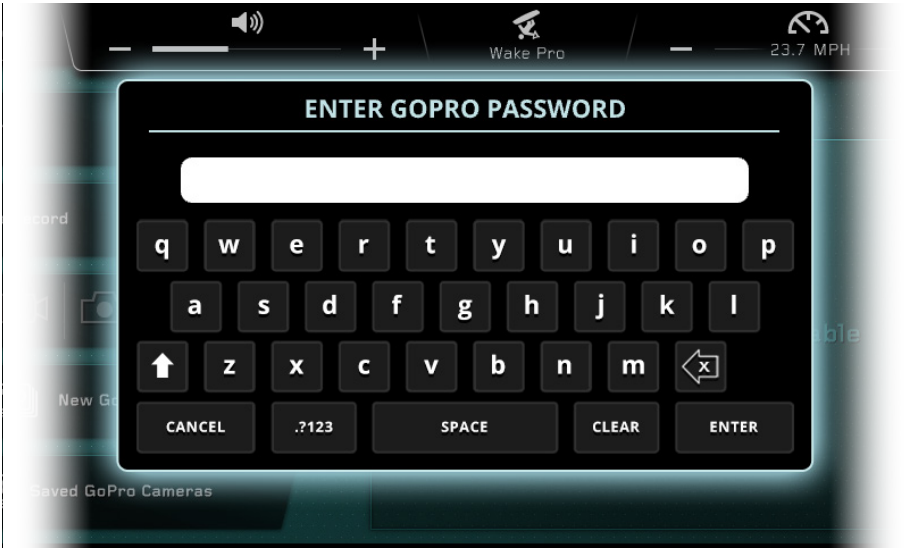


FIG. L5 - POP-UP MENU FOR ENTERING WIFI PASSWORD FOR A GOPRO® CAMERA

GOPRO MENU

FIG. L6 - POP-UP MENU FOR SAVED GOPRO® CAMERAS

SAVED GOPRO® CAMERAS

***NOTE** - Before initiating the connecting process through LINC, make sure that your wireless network is turned on from your GoPro® camera.

To re-connect to a previously connected GoPro camera, select “Saved GoPro Cameras” and a pop-up menu will appear (see Fig. H7).

Scroll through the list of previously connected GoPro cameras and select the desired camera. Selecting a camera will give additional options to go back to the saved cameras list, connect or delete. Pressing connect will connect the camera.

Upon pressing “Exit”, the pop-up menu will disappear and the name of the camera will appear with a battery status icon and the “Connected” text. At this stage, you may now remotely control your GoPro® camera through LINC.

GOPRO MENU

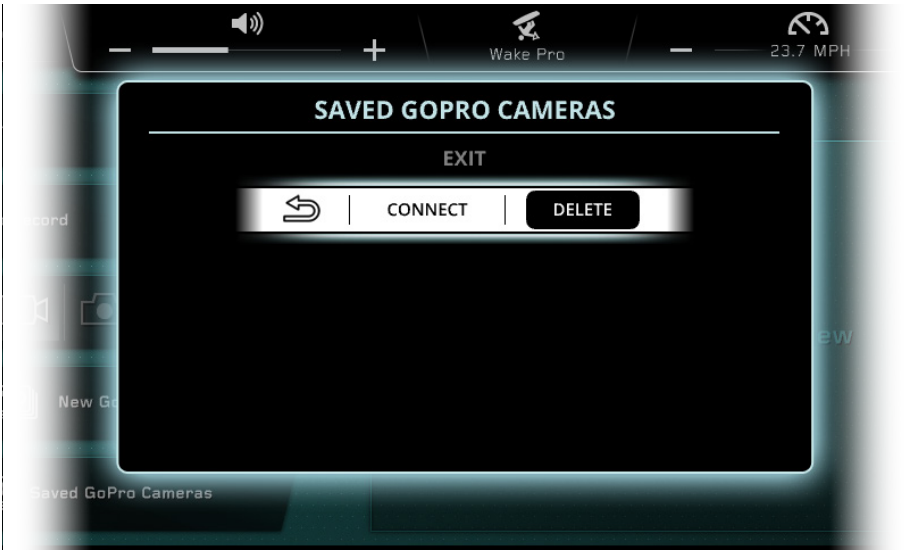


FIG. L7 - OPTIONS WHEN SELECTING A CAMERA

PREFERENCES MENU

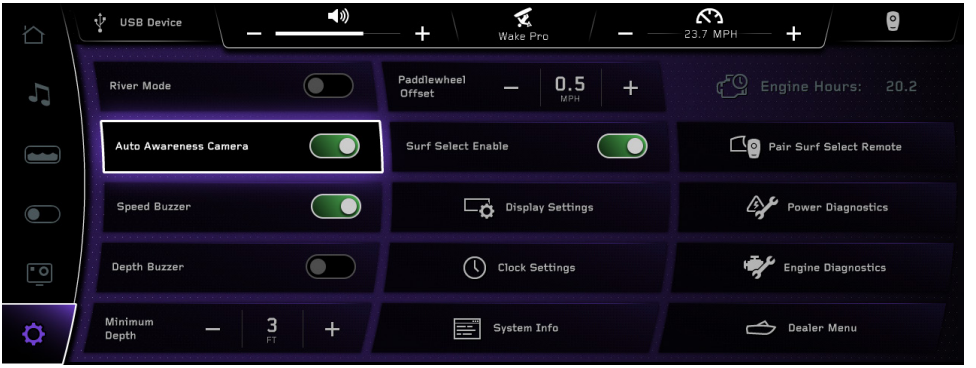


FIG. M1 - THE PREFERENCES MENU

***NOTE** - some of the functions shown in above screenshot are optional and are not equipped on every boat.

The Preferences menu contains the interface settings of both the Gauge and Interaction display units.

River Mode - allows the driver to keep the boat's speed-over-water constant when a current is present. Will add extra River Mode functions on the Home Screen for non-Paddle Wheel boats.

Auto Awareness Camera - If turned on, the video from the awareness camera will appear on the right side of the Home Menu when the boat is moving at lower speeds.

Speed Buzzer - the LINC unit audibly buzzes when the set speed is achieved

Depth Buzzer - the LINC unit audibly buzzes when the boat is in shallow waters, and buzzes when the minimum depth is reached.

Minimum Depth- sets when the Depth Buzzer goes off.

Paddle Wheel Offset* - lets the operator adjust the offset of the paddle wheel speed input. The Paddle Wheel Offset is calibrated from the factory, so it is recommended that the operator leave this setting alone unless they suspect that the Paddle Wheel needs re-calibrating so that the boat can achieve the proper speed. When in doubt, contact your local dealer about the Paddle Wheel Offset.

PREFERENCES MENU

Surf Select Enable* - if turned on, it allows certain settings to be changed by someone who is riding/surfing behind the boat with the Surf Select Remote or Surf Select App on a Garmin Watch.

Display Settings - a pop-up menu that shows display settings like brightness and the selected unit of measurement.
(See image on following pages for reference)

Clock Settings - a pop-up menu that shows clock settings like time zone, Daylight Savings Time on/off, and 12/24 hour modes.
(See image on following pages for reference)

System Info - a pop-up menu that identifies the LINC display and the current software installed on the display.

Pair Surf Select Remote/Watch* - will pair a Surf Select compatible remote or watch. These devices can allow a surfer/rider to switch surf sides, change set speed, change NSS setting, change NCRS setting, or to adjust the volume through a Pebble watch with the Surf Select App.

Power Diagnostics - a fullscreen mode that displays a list of circuit fault codes and descriptions; the operator can reset faults here. Pressing the back arrow will return the operator to the main Preferences page.
(See image on following pages for reference)

Engine Diagnostics - a fullscreen mode that displays a list of engine fault codes and descriptions. On some engines, corrective action will be shown. There is also a vertical “Fault Log” tab that will show prior stored faults. Pressing the back arrow will return the operator to the main Preferences page.

Dealer Menu - a fullscreen mode that displays a menu that give dealers/technicians access to change critical settings/options for the boat. This menu is password protected to prevent the customer from adjusting critical boat settings that may negatively affect the operation of the boat.

In addition to these functions, there is also an Engine Hours readout located in the top right corner.

PREFERENCES MENU

FIG. M2 - DISPLAY SETTINGS POP-UP MENU

FIG. M3 - CLOCK SETTINGS POP-UP MENU

PREFERENCES MENU

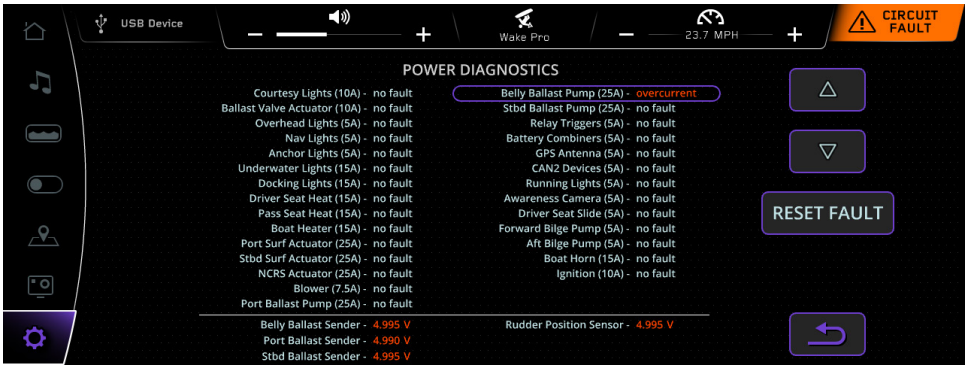


FIG. M4 - POWER DIAGNOSTICS ON PREFERENCES MENU

WARNING AND POP-UP MESSAGES

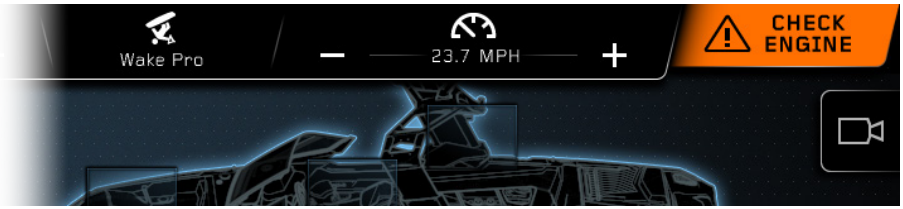
FIG. N1 - ENGINE DIAGNOSTIC POP-UP MESSAGE

ENGINE DIAGNOSTIC MESSAGE - WARNING

It is strongly advised that you contact your Nautique dealer immediately when a diagnostic message appears.

If an engine diagnostic message appears, it will give you the DTC number (Diagnostic Trouble Code) and message, the SPN (Suspect Parameter Number) and FMI (Failure Mode Indicator) number. These numbers follow standards set by the engine manufacturer or SAE J1939.

Pressing Previous or Next will cycle through the diagnostic messages and pressing Ignore will close the diagnostic message window. If ignore is pressed, a smaller message will appear in upper right hand corner of the screen until the problem is corrected (see image below).



WARNING AND POP-UP MESSAGES

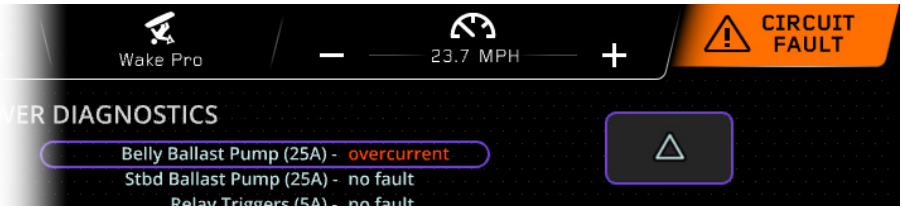
FIG. N2 - CIRCUIT FAULT POP-UP MESSAGE

CIRCUIT FAULT MESSAGE - WARNING

It is strongly advised that you contact your Nautique dealer immediately when a circuit fault appears.

If a circuit fault message is displayed, a brief description will appear.

Pressing Details will provide more information on the circuit fault and pressing Ignore will close the diagnostic message window. If ignore is pressed, a smaller message will appear in upper right hand corner of the screen until the problem is corrected (see image below).



WARNING AND POP-UP MESSAGES

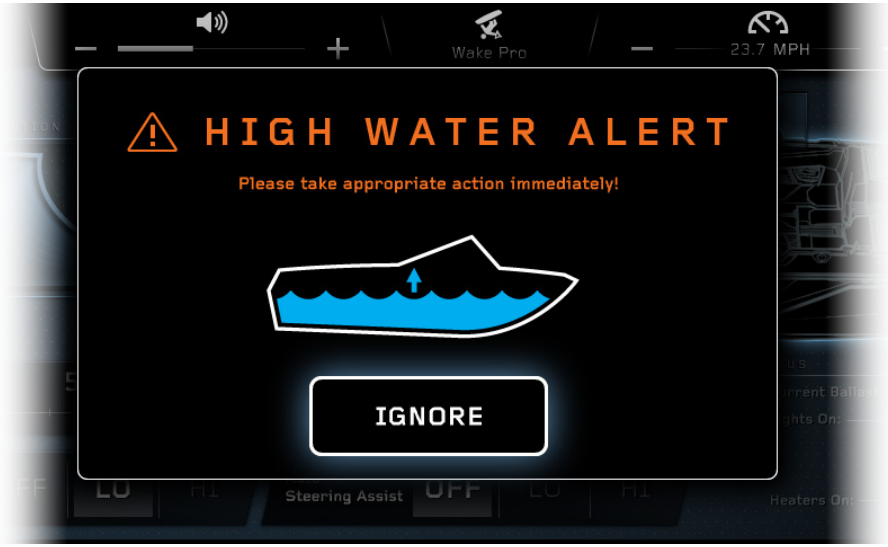


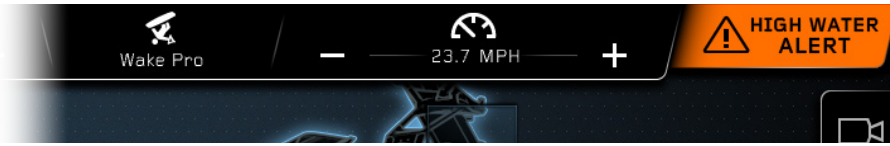
FIG. N3 - HIGH WATER ALERT POP-UP MESSAGE

ENGINE DIAGNOSTIC MESSAGE - HIGH WATER ALERT

If a High Water Alert appears, then that means that water has risen to significant level in the bilge area of the boat. Please check to make sure the T-handle drain is correctly screwed in, check to see if any aftermarket ballast bags are leaking and ensure bilge pumps are turned on (via keypad) and are functioning properly. If high, rising water continues to be a problem in the bilge area, then the operator should try to safely move the boat to a dock or to shallow waters along a shore.

It is strongly advised that you contact your Nautique dealer immediately when a diagnostic message appears.

Pressing Ignore will close the diagnostic message window. If ignore is pressed, a smaller message will appear in upper right hand corner of the screen until the problem is corrected (see image below).



WARNING AND POP-UP MESSAGES

FIG. N4 - STOP ENGINE POP-UP MESSAGE

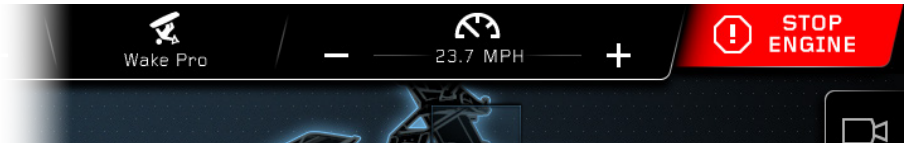
ENGINE DIAGNOSTIC MESSAGE - STOP ENGINE

If a Stop Engine message appears, the operator should shut down the engine (via "STOP" button on keypad) as soon as possible, in a safe manner.

It is strongly advised that you contact your Nautique dealer immediately when a diagnostic message appears.

If an engine diagnostic message appears, it will give you the DTC number (Diagnostic Trouble Code) and message, the SPN (Suspect Parameter Number) and FMI (Failure Mode Indicator) number. These numbers follow standards set by the engine manufacturer or SAE J1939.

Pressing Previous or Next will cycle through the diagnostic messages and pressing Ignore will close the diagnostic message window. If ignore is pressed, a smaller message will appear in upper right hand corner of the screen until the problem is corrected (see image below).



NAUTIQUE®

14700 Aerospace Parkway • Orlando, FL 32832
1-800-346-2092 • www.nautique.com