



LINC PANORAY

2017 OWNER'S MANUAL

FOR SELECT SUPER AIR NAUTIQUE MODELS

TABLE OF CONTENTS

OVERVIEW

Product Information	5
Care and Maintenance	5
Touchscreen Display	6
Helm Command	7
User Interface	
•Split Interface Mode	9
•General Layout	10-11
•Fullscreen Mode and Layout	13
Using Helm Command	
•Rotary Knob	14-19
•Button Shortcuts	20-25

HOME MENU

NCRS Tab	26-27
NCRS/NSS Tab	28-29
Status Tab	30
River Mode Tab	31

MEDIA MENU

Main Tab	32-33
Dynamic Source Tab	34-35
Zone Control Tab	36
Audio Setup Tab	37-38

BALLAST MENU

Manual Tab	40
Set Level Tab	41
Overhead Tab (with Ballast Shift)	42

SWITCHING MENU

Lights Tab	44
Climate Tab	45
Features Tab	46



USER MENU

User List Tab	48-49
New User Tab	50-51

MAP MENU

Mini Map Tab	52
Full Map Tab	53
•Waypoints and Tracks	54-56

PREFERENCES MENU

Settings Tab	56
Display Tab	57
System Tab	58
•Power Diagnostics	59
•Engine Diagnostics	60
•System Info	61

RIGHT SECTION

Switchboard Tab	62
•Editing the Functions	63-65
Vitals Tab	66

WARNINGS AND POP UP MESSAGE

Engine Diagnostic Message	67
Circuit Fault Message	68

LINC PANORAY GENERAL TROUBLESHOOTING GUIDE

70



LINC PANORAY



LINC PANORAY

OVERVIEW



PRODUCT INFORMATION

The Nautique LINC 3.0 system is designed for instrumentation and control on electronically controlled engines communicating via SAE J1939 and NMEA 2000. The display is a multifunctional tool that provides GPS tracking, multimedia display, 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 unit. Window cleaner or alcohol can also be used to clean the glass portion of the display. Do not use harsh or abrasive cleaners on the unit.



OVERVIEW



TOUCHSCREEN DISPLAY

LINC Panoray features a 12.4" wide touchscreen display. Operators can easily change settings and viewed information by tapping certain touch-point 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.

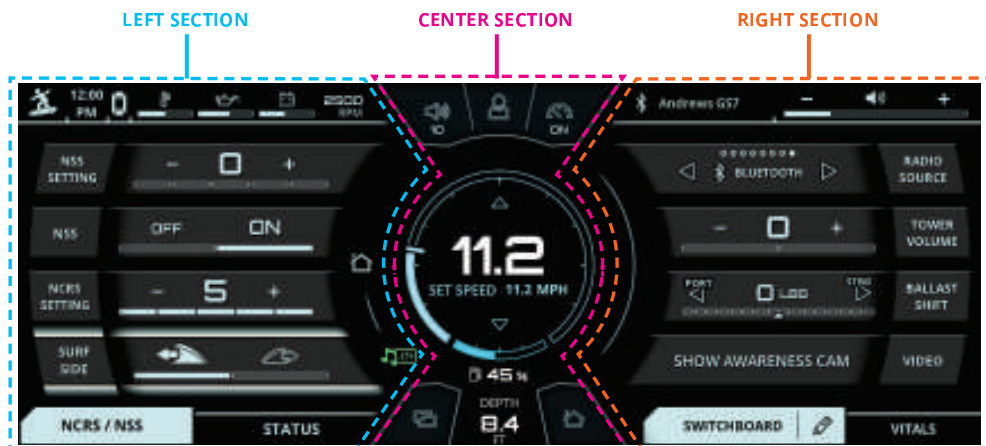
A black, rubber keypad surrounds the knob with 5 different buttons. These buttons act like shortcuts, or hotkeys, and allow the user to quickly jump to certain menus, tabs and frequently used settings.

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



USER INTERFACE - SPLIT INTERFACE MODE

In most circumstances, the LINC Panaray interface is split into three, broad visual sections; the center section, the left section and the right section.

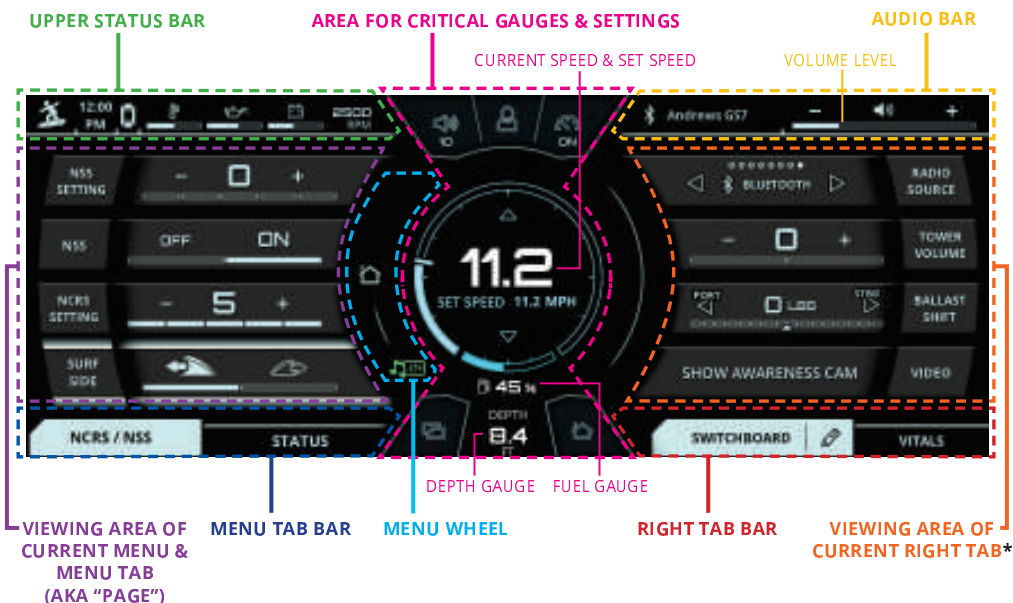
CENTER SECTION - displays critical gauges, settings and functions (e.g. speed, speed control on/off) that can be seen at a glance under most scenarios.

LEFT SECTION - displays specific, detailed information and functions which is dictated mostly by the currently selected menu and menu tab. The operator should view (or use) this section when he/she wants to take their time and get an "in-depth" look into certain boat settings or features. For example, if an operator wants to change individual audio settings, he/she should look at the left side of the screen, navigate to the audio menu and select the proper menu tab to view or adjust specific audio settings.

RIGHT SECTION - also displays information and functions, but is meant for quicker operation. The right section does not use menus and contains only two tabs at all times: the vitals tab and the switchboard tab. The vitals tab contains vital engine gauges and information and the switchboard tab contains 4 different functions that can be customized by the user (see pages 62-65). The switchboard tab allows the operator to select his/her four favorite functions so that they can be quickly adjusted (or turned on/off) from the right side without having to navigate to any left side menus. Think of the switchboard tab as if it were containing "shortcuts" to an operator's most used/viewed features.



OVERVIEW



USER INTERFACE - GENERAL LAYOUT

AREA FOR CRITICAL GAUGES & SETTINGS - This area displays the current speed, set speed, speed control on/off, fuel gauge, and depth gauge. This area also duplicates the 5 buttons on the Helm Command.

UPPER STATUS BAR - This area always displays the activated User Profile, time, engine temperature, oil pressure, voltage, and RPM. The operator can tap on the engine temperature, oil pressure, or voltage for a numerical readout of that particular gauge. This area can also display an icon for Surf Select if that setting is turned on.

MENU WHEEL - Different menus can be selected here by tapping individual menu icons or by rotating the Helm Command knob if the Menu Wheel is highlighted. There can be up to 8 menus: Home, Audio, Video, Ballast, Switching, User, Map, and Preferences. The middle icon of the Menu Wheel shows which menu is currently being viewed.

MENU TAB BAR - This tab bar changes depending on the current menu. Each tab contains a separate page of information that relates back to the current menu. Menus contain either 2, 3 or 4 unique tabs.



OVERVIEW

USER INTERFACE - GENERAL LAYOUT (CONTINUED)

VIEWING AREA OF CURRENT MENU & MENU TAB (AKA "PAGE") -

Each tab under each menu displays unique information, settings, and functions in this area (which can be referred to as a "page"). Most settings and functions are illustrated here as a stack-up of smaller horizontal bars with curved ends.

AUDIO BAR - This area always displays the current stereo source and the volume level of the audio system. Tapping the + or the - on the volume level will increase or decrease the volume. Tapping the volume horn icon will mute or unmute the audio system.

RIGHT TAB BAR - This tab bar always features two tabs: the switchboard tab and the vitals tab. The switchboard tab (shown in the screenshot) features 4 functions that can be customized by a user (see pages 62-65). The vitals tab displays all of the vital engine gauges and system information for the boat in a large, easy to read format. This includes engine temperature, engine oil pressure, battery charging voltage, engine RPM, air temperature and water temperature. The vitals tab also includes the Speed Control On/Off so that users can quickly turn that on or off as needed.

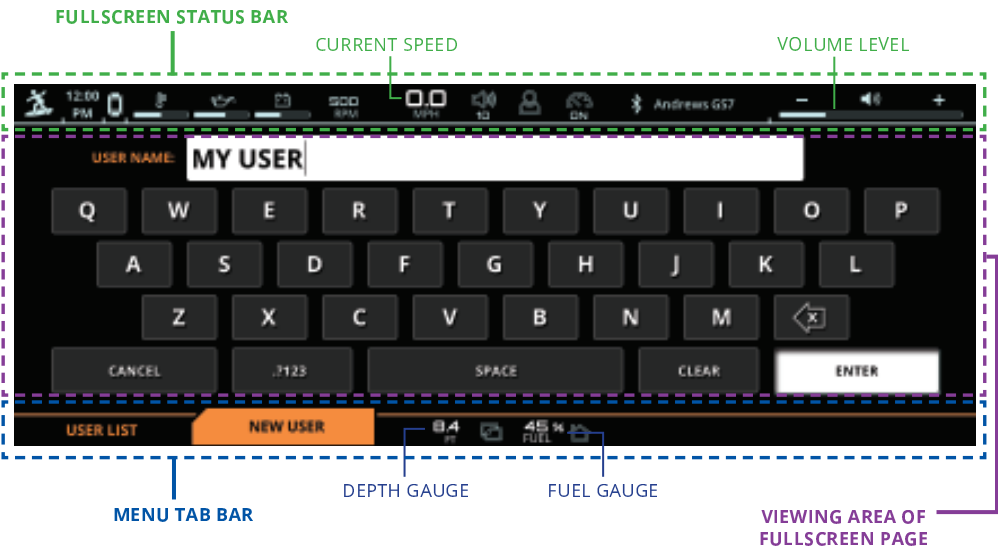
VIEWING AREA OF CURRENT RIGHT TAB - this area will display information, settings, and functions from the switchboard tab or the vitals tab, whichever is selected.

***NOTE:** Certain menus and menu tabs from the left side may temporarily occupy this space when there are more than 5 functions or settings.





OVERVIEW



USER INTERFACE - FULLSCREEN MODE AND LAYOUT

Some menus and menu tabs will adjust the appearance of the user interface in order to increase the viewing area of certain features; these are called “fullscreen pages”. Examples of full screen pages include the following:

- Instances when a keyboard is required (e.g. when creating a new user)
- Map Menu - Full Map tab
- Preferences Menu - System tab, diagnostic pages and dealer menu pages

Full screen pages will slightly re-position critical gauges and settings to the top and bottom of the screen. Current speed and volume level move to the top in the **FULLSCREEN STATUS BAR** whereas the depth and fuel gauges move to the bottom in the **MENU TAB BAR**.



OVERVIEW



LINC INTERFACE



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 menu tab is selected.

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



FIG. A - ROTATING CLOCKWISE FROM THE HOME MENU TO THE MEDIA 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. B below).



FIG. B - 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 or can joystick over to the left. (See Fig. C below)



FIG. C - MOVING THE HIGHLIGHT TO THE PAGE AREA



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. D below). This will change the background color behind the function/setting to white to increase visibility over the other functions/settings.



FIG. D - PUSHING DOWN TO SELECT A SETTING (THE NSS SETTING IN THIS EXAMPLE)

When a setting is selected, simply rotate clockwise or counter-clockwise to increase or decrease that setting. In Fig. E below, the operator has rotated counter-clockwise twice to change the NSS Setting to "0". When an ON/OFF function (like NSS in Fig E. below) is selected, rotate clockwise to turn ON or rotate counter-clockwise to turn OFF.



FIG. E - 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. F below).



FIG. F - PUSHING DOWN TO DE-SELECT A SETTING (THE NSS SETTING IN THIS EXAMPLE)

The operator may now rotate the knob to highlight another setting. In the image below (Fig. G) the operator has rotated counter-clockwise twice to highlight the NCRS Setting



FIG. G - ROTATING COUNTER-CLOCKWISE TO HIGHLIGHT A DIFFERENT SETTING



OVERVIEW

USING HELM COMMAND - ROTARY KNOB (CONTINUED)

Once again, an operator can select functions/settings by pushing down on the knob; in Fig H. below the operator has selected the NCRS setting.



FIG. H - PUSHING DOWN TO SELECT A SETTING (THE NCRS SETTING IN THIS EXAMPLE)

When a setting is selected, simply rotate clockwise or counter-clockwise to increase or decrease that setting. In Fig. I below, the operator has rotated clockwise twice to increase the NCRS Setting to “5”.



FIG. I - ROTATING CLOCKWISE TO INCREASE A SETTING



OVERVIEW

USING HELM COMMAND - ROTARY KNOB (CONTINUED)

As mentioned previously, when the operator is comfortable with where the setting is at, he/she may push down on the knob to de-select from that setting (see Fig. J. below).



FIG. J - PUSHING DOWN TO DE-SELECT A SETTING (THE NCRS SETTING IN THIS EXAMPLE)



OVERVIEW

USING HELM COMMAND - BUTTON SHORTCUTS

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



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. K).



FIG. K - 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

Pressing the User button opens a drop-down menu to allow the operator to quickly view current user settings and switch user profiles (see Fig. L).



FIG. L - DROP-DOWN MENU AFTER PRESSING THE USER BUTTON ON HELM COMMAND

Once the User drop-down menu appears at the left side of the screen, the operator can perform the following functions with the Helm Command knob or via the touchscreen:

Save Altered - This will save any altered settings, which are noted by "!" icons, to the current user profile.

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

Switching to a Different User Profile - Four of the most recently activated user profiles will be listed towards the bottom of the drop down menu. The boat will immediately adjust to new settings if one of those four profiles are selected from this menu.

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 Fig. M).



FIG. M - 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.



OVERVIEW

USING HELM COMMAND - TAB BUTTON

Pressing the Tab button will change the currently viewed page from the current tab to the next tab. Pressing the tab button multiple times will cycle through all of the tabs. The two screenshots below illustrate an example of pressing the Tab button on the Home menu.

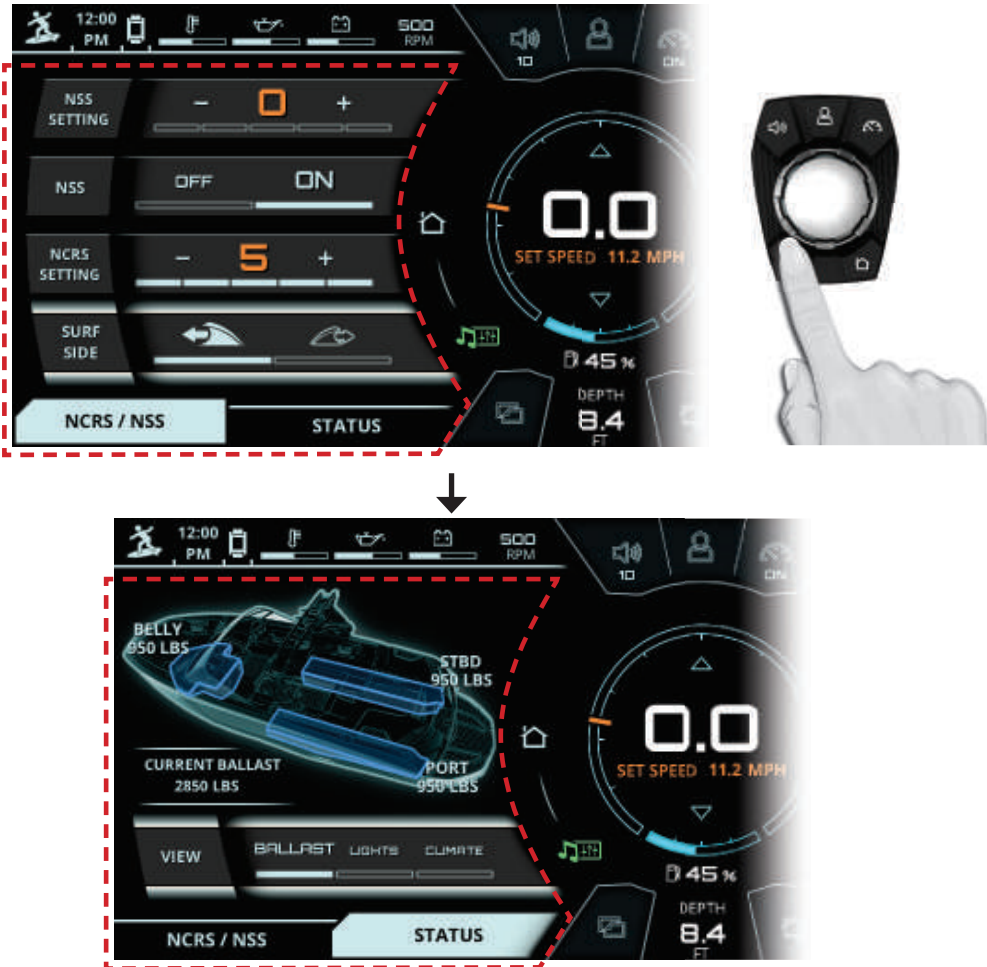


FIG. N - PRESSING THE TAB BUTTON ON HELM COMMAND TO CHANGE TO THE “STATUS” TAB



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 vital settings and gauges. The two screenshots below illustrate an example of pressing the Home button to transition from the Ballast menu to the Home menu.

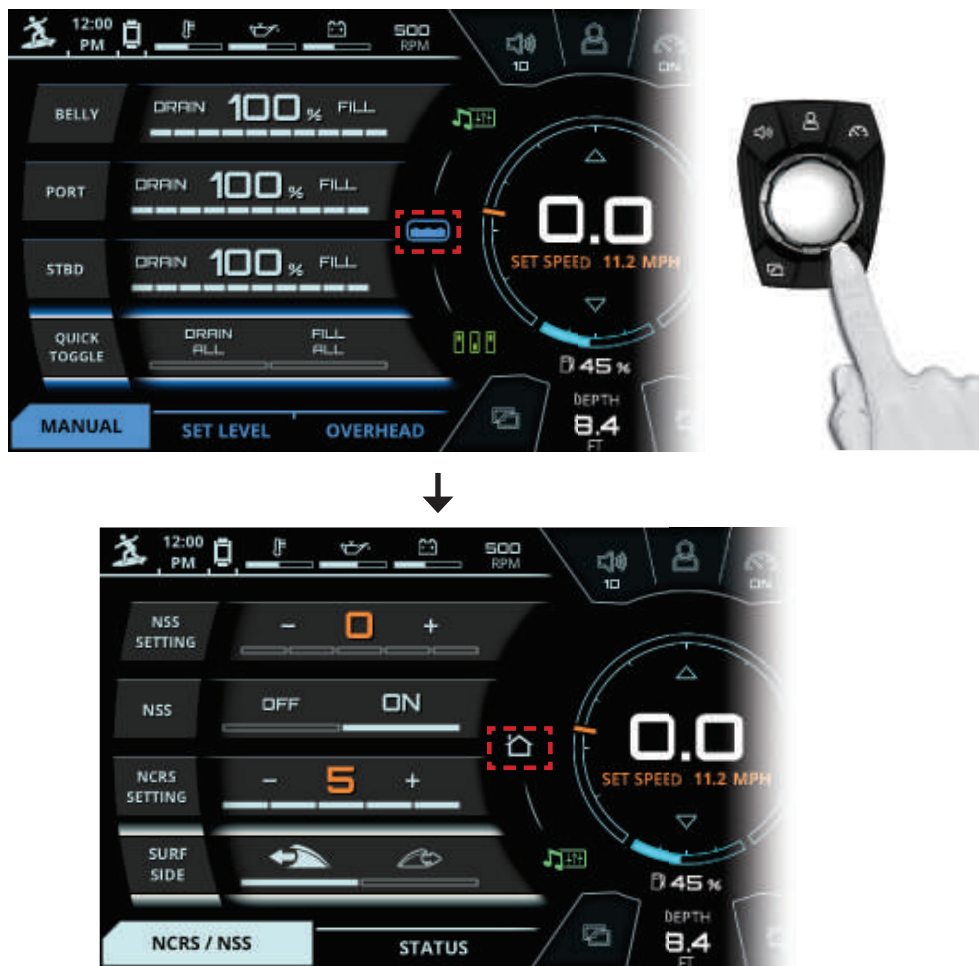


FIG. 0 - PRESSING THE HOME BUTTON TO RETURN TO THE HOME MENU



HOME MENU

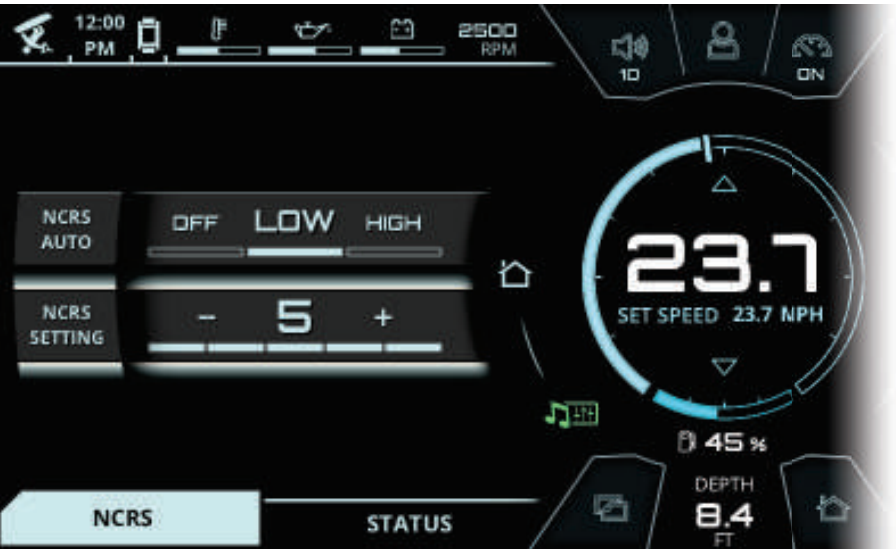


FIG. P - NCRS TAB ON THE HOME MENU

NCRS TAB

This tab will appear if the set speed is in an optimal range for wakeboarding, which is at or above 13.0 mph (20.9 kph). This tab is dedicated to displaying the two NCRS (Nautique Configurable Running Surface) settings.

The Nautique Configurable Running Surface (NCRS) system is an active vessel control system that uses the Nautique Hydro-Plate (shown in Fig. P) 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 wake shaping device. By varying the NCRS Setting from 0 to 5, the user can transform the shape of the wake from a rounded mellow ramp to a pro level lip in seconds.

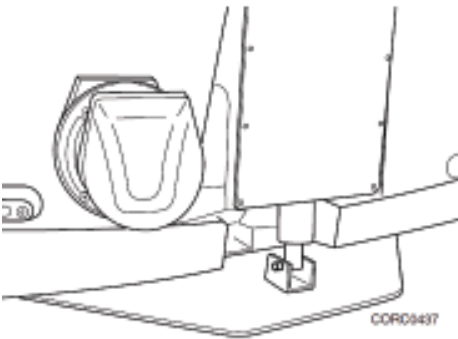


FIG. S - NAUTIQUE HYDRO-PLATE
(LOCATED AT THE REAR OF THE BOAT)



HOME MENU

NCRS TAB (CONTINUED)

The user has two settings he or she can use to interact with the NCRS system, along with Speed Control On/Off which also affects the NCRS control. For most effective NCRS response, toggle Speed Control to ON. The user should ask these two questions to decide how to set the NCRS:

Do I want the Hydro-Plate to help in planing and staying on plane in tight turns?

NCRS Auto – Off/Low/High - this allows the user turn on the Auto Deploy feature which will move the Hydro-Plate to position targets based on NCRS Auto setting, ballast levels, and dynamic conditions

- a. Off - the Hydro-Plate will remain at the NCRS Setting position
- b. 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
- c. 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

How large/steep do I want the wake once my desired speed is reached?

NCRS Setting – This allows the user to enter a value of 0 to 5 which controls the Wake Size/Shape by controlling the final Hydro-Plate position once the boat has reached its desired Set Speed.

- a. 0 – Smallest and Most Rounded Shaped Wake
- b. 5 – Largest and Most Vert Shaped Wake



HOME MENU



FIG. Q - NCRS/NSS TAB ON THE HOME MENU

NCRS / NSS TAB

This tab will appear if the set speed is in an optimal range for surfing, which is below 13.0 mph (20.9 kph). This tab is dedicated to displaying NCRS (Nautique Configurable Running Surface) and NSS (Nautique Surf System) settings. NCRS and NSS are used to adjust the shape of the wave for different surfing preferences.

NSS Setting - used to adjust steepness. 5 is associated with the most vert wakesurf wave, and is also the most likely to be “washy” due to how steep the wave is. Having an NSS setting of 0 would create the mellowest or most ramp-like wakesurf wave, which would also create the “cleanest” wakesurf wave. The factory NSS setting has been set to 0 because with factory ballast, this creates the best all-around wave for the user.

NSS - turns the Nautique Surf System On and Off. In the screenshot above, NSS is On.



HOME MENU

NCRS / NSS TAB (CONTINUED)

NCRS Setting - used to control steepness and can be used in conjunction with NSS setting. As with NSS, having an NCRS setting of 5 would create the steepest wakesurf wave. An NCRS setting of 0 would create the most ramp-like wave. Unlike NSS, an NCRS setting of 5 tends to create the cleanest wave and having a NCRS setting of 0 tends to create a wave more likely to “wash out”.

Surf Side - displays which side the surf wave is on. The wave icon with the arrow pointing to the left indicates the Port side and the wave 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 surf wave icon that is not highlighted while driving at set speed, the surf wave will quickly move to that side.

Please note that in the screenshot the actual speed is listed at 0.0 mph, meaning the boat is not moving and is not traveling at the set speed of 11.2 mph. Because the boat is not set speed, the NSS Setting and NCRS Setting numbers are shown in an Orange color; this is to let the operator know that the NSS and NCRS plates are not at their set position. When set speed is achieved, those numbers will change to a light blue/white color to notify the user that those plates have moved to their set position. Changing the NSS or NCRS settings before the boat is close to set speed (while NSS and NCRS numbers are orange) will have no immediate effect on the shape of the wave.



HOME MENU



FIG. R - VITALS TAB ON THE HOME MENU

STATUS TAB

This tab displays the current status of boat sub-systems in different 3D views.

Ballast - displays current levels/weights for all three ballast tanks

Lights - displays which light circuits are currently on in the boat

Climate (if equipped) - If seat heaters are equipped, this view will display whether or not the driver and passenger seat heaters are on

The Status tab does not allow the operator to adjust different ballast, light, or climate settings. Please see the Ballast or Switching menus to adjust those settings.

HOME MENU

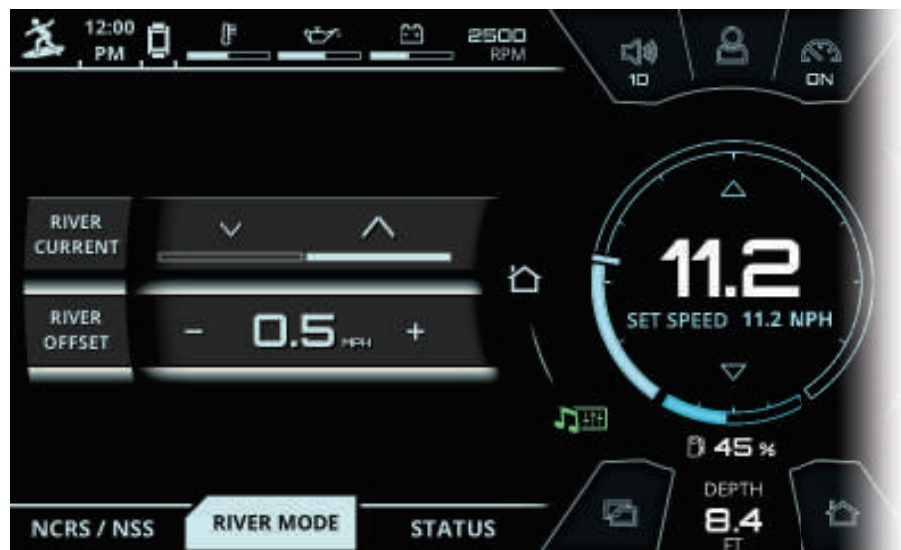


FIG. S - RIVER MODE TAB ON THE HOME MENU

RIVER MODE TAB*

***NOTE:** River Mode is turned on/off from the Preferences Menu, under the Settings tab. River Mode is turned off by default and will **not** be displayed as a tab unless the setting is turned on in the Preferences Menu.

LINC's 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. To compensate for the 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. 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 (shown as the big, white 11.2 in Fig. S) is the speed-over-water. Speed-over-water is the GPS speed (11.7 mph in the above example) plus or minus the River Offset number (-0.5 in Fig. S, since the boat is traveling with the current flow).



MEDIA MENU



FIG. T - MAIN TAB ON THE HOME MENU

MAIN TAB

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

The Main tab contains the following items, in order from top to bottom:

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 SiriusXM radio inputs)

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, SiriusXM or Auxiliary inputs)

Source - displays the currently selected audio source. The operator can change between the AM radio, FM radio, Auxiliary input, SiriusXM satellite radio, USB device, Weather Band, Bluetooth audio and turning the stereo off in this area.



MEDIA MENU

MAIN TAB (CONTINUED)

If the stereo is turned off, the screenshot depicted below in Fig. U will appear.

The operator can turn the stereo on through LINC 3.0 by selecting the source function throughout the Helm Command knob or by tapping the “press to turn stereo on” text via touchscreen.

The stereo can also be turned on and off from the stereo head unit, which is located inside the glove box in passenger’s side of the boat, just above the observer’s seat.



FIG. U - SCREENSHOT OF LINC 3.0 IF STEREO IS TURNED OFF

MEDIA MENU

DYNAMIC SOURCE TAB

The Dynamic Source tab is the second tab from the left on the Media menu. The title of this tab changes dynamically according to the currently selected source. This tab will display different functions according to the audio source. The different possible sources are listed below:

Stereo Off - stereo is turned off and there is no access to the dynamic source menu

AM radio - stereo plays AM radio frequencies. On the "AM MENU" tab, the "PTY" search function appears. ("PTY" search finds stations broadcasting a particular program type, e.g. NEWS, SPORT, etc.)

FM radio - stereo plays FM radio frequencies. On the "FM MENU" tab, the "PTY" search function appears.

Auxiliary input - stereo plays from the 3.5mm Auxiliary input. The "AUX MENU" tab contains no additional functionality

SiriusXM satellite radio - stereo plays SiriusXM channels. The "SIRIUSXM MENU" tab contains additional functionality to change the categories

USB device - stereo plays from a device connected to the USB port in the passenger's side glove box. The "USB MENU" tab contains additional functionality to control playlists from USB devices.

Weather Band - stereo plays Weather Band frequencies. These frequencies are dedicated to airing continuous weather reports, including emergency weather information. There is no additional functionality in the "WEATHER MENU" tab.

Bluetooth Audio - stereo plays audio from a bluetooth connected phone or device. The "BLUETOOTH MENU" tab contains additional pairing and connecting functionality. "Pair" 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. The "connect/disconnect" icon and text at the bottom of the page connects or disconnects the currently paired Bluetooth device. Once connected, music from the Bluetooth device can be played through LINC.

Please see the screenshots on the following page for examples of different dynamic source tabs.



MEDIA MENU



FIG. V - FM MENU TAB ON THE MEDIA MENU



FIG. W - USB MENU TAB ON THE MEDIA MENU



FIG. X - BLUETOOTH MENU TAB ON THE MEDIA MENU



MEDIA MENU



FIG. Y - ZONE CONTROL TAB* ON THE MEDIA MENU

ZONE CONTROL TAB*

***NOTE:** The Zone Control tab is only available to boats that are equipped with Zone Control. If you have a boat that is **not** equipped with Zone Control, you will see a Video tab instead.

The Zone Control tab allows the operator to individually adjust the volume level for each of the five zones of the boat listed below:

Bow - controls the volume level of the two bow speakers. These speakers are located in recessed pocket panels.

Cockpit - controls the volume level of the four speakers in the main cockpit area. These speakers are located in recessed pocket panels.

Dash - controls the volume level of the two dash speakers, located just behind the windshield and in front the dash (driver's side) and in front of the glove box (passenger's side)

Tower- controls the volume level of the tower speakers

Sub - controls the volume level of the subwoofer(s)



MEDIA MENU



FIG. Z - AUDIO SETUP TAB* ON THE MEDIA MENU

AUDIO SETUP TAB*

***NOTE** - The above screenshot shows the Audio Setup tab if Zone Control is equipped. If Zone Control is not equipped, then "Fade" and "Balance" settings will be added and the "Mid" setting would be removed.

The Audio Setup Tab enables operators to fine tune the audio system to their preferences. The operator can adjust the overall bass, treble, fade*, balance*, Equalizer presets (EQ), Auto Volume (Auto Vol), and Loudness (LOUD) settings from this tab. When this tab is selected, the settings will occupy the left and the right sides of the screen.

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

Mid - modifies sounds from the audio system that are in the frequency range between 250-2000 Hz (available if Zone Control is equipped)

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

Fade - adjusts the sound front-to-back. Increasing the fade will increase the volume in the front of the boat and decrease the volume in the back of the boat and vice versa (not available if Zone Control is equipped)

Balance - adjusts the sound port-to-starboard (left-to-right). Increasing the fade will increase the volume on the port side of the boat and decrease the volume on the starboard side of the boat and vice versa (not available if Zone Control is equipped)

EQ - changes the equalizer presets contained by the stereo head unit.



MEDIA MENU

AUDIO SETUP TAB (CONTINUED)

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

"Auto Vol Min" will set the lowest possible volume when the boat is below 5 mph (8 kph) and **"Auto Vol Max"** will set the highest possible volume when the boat reaches it's set speed.

These Auto Volume Min/Max values will automatically adapt to volume changes that the operator makes while driving. For example, if the operator is at 0 mph and he/she lowers the volume to "5", the "Auto Vol Min" will then become "5". If the operator is driving at the set speed (11.2 mph in Fig. CC above) and he/she increases the volume to "25", the "Auto Vol Max" will then become "25"

Loud - Turns the Loudness" setting off and on. The Loudness setting, when turned on, will boost certain high and low frequencies in the audio system





BALLAST MENU

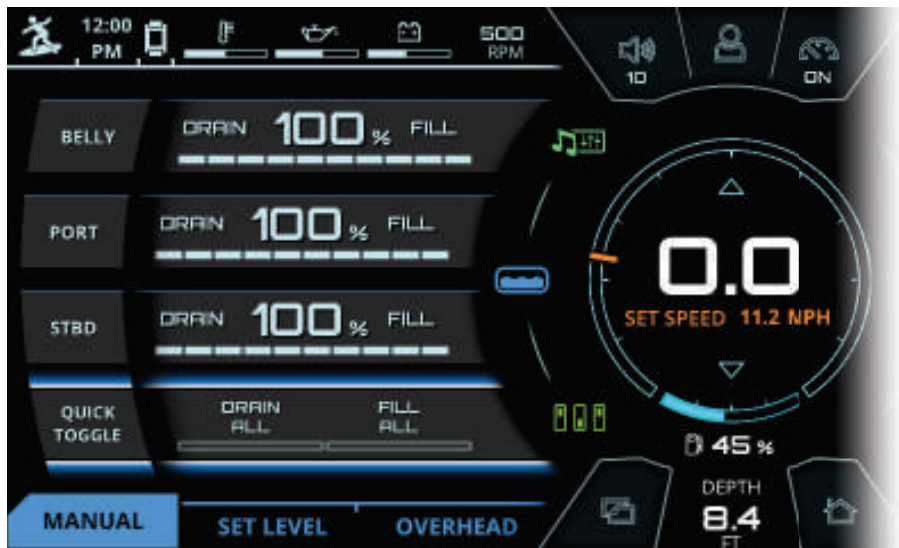


FIG. AA - MANUAL TAB ON THE BALLAST MENU

MANUAL TAB

The 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/shape for wakeboarding.

The Manual tab will allow the operator to manually turn the ballast pumps on/off to fill or drain the ballast tanks.

If an operator presses “Fill” on a particular tank, the pump will stay 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, 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.

BALLAST MENU



FIG. BB - SET LEVEL TAB ON THE BALLAST MENU

SET LEVEL TAB

The Set Level tab enables the operator to set desired ballast tank levels in 10% increments.

To set a ballast tank level, select a ballast tank and increase or decrease the level as desired. The set level is indicated by a triangle icon; this triangle icon will move along the tank's segmented bar gauge graphic.

When all tank levels are properly set, press “Go to Set Levels” and the pumps will automatically fill or drain each tank to their set levels.

Once again, the operator may, at any time, press “stop pump(s)” to turn the pump(s) off.

Please note that each of the default, factory user profiles come with pre-determined ballast tank set levels.



BALLAST MENU



FIG. CC - OVERHEAD TAB ON THE BALLAST MENU

OVERHEAD TAB (WITH BALLAST SHIFT)

The Overhead tab on the Ballast Menu gives a 3D view of the boat which shows tank levels in weight (lb or kg) and visually illustrates which tanks are currently filling or draining with an animated arrow graphic (no tanks are filling or draining in the above screenshot)

The Overhead tab also features a “Ballast Shift” function. “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 set the amount of weight to be shifted to the Port or Starboard sides. After a short verification period, the boat will then turn on the ballast pumps to fill /drain the proper pumps to shift the selected amount of weight over.



SWITCHING MENU



FIG. DD - LIGHTS TAB* ON THE SWITCHING MENU

LIGHTS TAB*

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

The Switching Menu displays digital switches for lights, the heater fan and the seat heater pads in the driver's seat.

The Lights tab shows on/off switches for some of the boat's lighting. Please note that the Nav/Anchor light switch is located on the keypad below the LINC display.



SWITCHING MENU



FIG. EE - CLIMATE TAB* ON THE SWITCHING MENU

CLIMATE TAB*

***NOTE** - the heater switches shown in the above example are optional and are not equipped on every boat. This tab only exists if those heater switch options are equipped.

From the Climate tab, the operator may turn on/off the heater fan and driver seat heater.

The current on/off state of the passenger seat heater is shown here, but it cannot be controlled by LINC; that switch is located on top of the deck just aft of the passenger's seat (aka observer's seat, love seat).

The Climate tab also displays the current air and water temperatures in the top portion of the page.



SWITCHING MENU



FIG. FF - FEATURES TAB ON THE SWITCHING MENU

FEATURES TAB

The Features tab displays the locations of key features of the boat on a 3D model. This includes the following features:

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

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





USER MENU



FIG. GG - USER LIST TAB ON THE USER MENU

USER LIST TAB

The User Menu displays user profiles which contain pre-set speed, ballast, NCRS and NSS settings.

LINC 3.0 comes with 8 pre-loaded user profiles and the ability to create additional user profiles. The operator may delete all of the pre-loaded user profiles except for "Back to Dock". The operator may have a total of 16 different, unique user profiles

The User List tab provides a list of all pre-loaded and created user profiles. As the operator scrolls through different user profiles, the different setting for each highlighted user profile will appear at the top portion of the page (see Fig. GG).

When a user profile is in the selected state, four options will appear (see Fig. HH in the following page):

Back arrow - pressing this will return the operator to the user list to scroll through user profiles again

Activate - activates the user profile settings and sends the operator to the Home Menu

USER MENU

USER LIST TAB (CONTINUED)

Edit - sends the operator to the “Edit User” screen to allow the operator to change each individual setting on the user profile.

Delete - deletes the user profile. If pressed, a warning message will appear asking the operator if he/she really wants to permanently delete the user profile



FIG. HH - USER LIST TAB ON THE USER MENU (WITH A USER PROFILE IN THE SELECTED STATE)



USER MENU



FIG. II - NEW USER TAB (KEYBOARD FOR NEW USER PROFILE NAME)

NEW USER TAB

Pressing the New User tab will send the operator to a full screen keyboard to enter in the name for the new user profile.

This keyboard can be used via touchscreen or via the Helm Command Knob. The orange box highlights which key you are on with the knob and pushing down on the knob it enters that character onto the user name text box.

When finished with the user name, press the “enter” key to move to the next step.



USER MENU



FIG. JJ - NEW USER TAB (EDIT USER SCREEN TO ADJUST SETTINGS)

NEW USER TAB (CONTINUED)

After the name is entered for the new user, the “Edit User” screen will appear. This screen allows the operator to change each individual setting for the user profile, including ballast tank levels, set speed, NCRS settings, and NSS settings (if applicable). The NSS setting and Surf Side are only available when the set speed is below 13.0 mph (20.9 kph).

These settings will occupy the left and the right sides of the screen when the operator is editing a user profile

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.



MAP MENU



FIG. KK - MINI MAP ON THE MAP MENU

MINI MAP TAB

The Map Menu displays an overhead map of the boat, represented by a green boat icon, and shows surrounding bodies of water. Latitude and Longitude coordinates are displayed at the bottom of the pages in the gray transparent box. Also, a scale bar is shown in the lower left corner of the page to reference scale of land masses and bodies of water.

The Mini Map tab contains four mapping 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 (plus sign) - Zooms in on the map

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

MAP MENU



FIG. LL - FULL MAP ON THE MAP MENU

FULL MAP TAB

The Full Map tab shows a larger, fullscreen view of the map.

The Full Map tab includes the same four functions as the Mini Map tab, but also features a **slideout window** for waypoints and tracks. To view the slideout window, either press the yellow arrow icon on the screen or joystick over to the right with the Helm Command knob

Waypoints allow the operator to mark certain areas of interest with one of the four map waypoint icons (fish, anchor, gas pump, or flag).

Tracks allow the operator to save the track, or path, of the boat.

Please see the new couple of pages to learn about the operation of the slideout menu, waypoints, and tracks on the full map tab.

MAP MENU



FIG. MM - FULL MAP WITH SLIDEOUT WINDOW FOR WAYPOINTS AND TRACKS

FULL MAP TAB - WAYPOINTS AND TRACKS

When the Slideout window is open, the map size will decrease in width to a Mini Map size. 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

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

Save Track- saves the current track

Clear Track- clears the current track

MAP MENU



FIG. NN - FULL MAP WITH WAYPOINT MANAGER

FULL MAP TAB - WAYPOINTS AND TRACKS

Once a waypoint is selected from the list of saved waypoints the operator may do the following from the Waypoint Manager:

Change Icon/ Edit Name - changes the icon or edits the name of the waypoint

Show On Map - moves the map to the saved waypoint

Delete Waypoint - deletes the waypoint

Go Back - goes back to the list of waypoints

The Track Manager is very similar and contains the following functions:

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



PREFERENCES MENU



FIG. 00 - SETTINGS TAB ON PREFERENCES MENU

SETTINGS TAB

The Preferences menu contains the interface/interaction settings of the LINC 3.0 unit.

The Settings tab contains the following settings:

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

Auto Volume - automatically increases/decreases the volume as speed increases/decreases

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



PREFERENCES MENU



FIG. PP - DISPLAY TAB ON PREFERENCES MENU

DISPLAY TAB

The Display tab contains the following settings:

- Display Brightness - adjusts the brightness of the LINC display
- Units - toggles the units displayed on LINC between English and Metric
- Time Zone - sets the time zone according to GMT offset standards
- Daylight Savings Time - toggles daylight savings time on/off
- Clock Mode - toggles the clock between 12 hour and 24 hour mode



PREFERENCES MENU



FIG. QQ - SYSTEM TAB ON PREFERENCES MENU

SYSTEM TAB

The System tab contains the following:

Power Diagnostics - displays a list of circuit fault codes and descriptions; the operator can reset faults here (see page 59).

Engine Diagnostics - displays a list of engine fault codes and descriptions; on some engines, corrective action will be shown (see page 60)

GPS Utilities - contains options to set up track and position, chart and time, and waypoint manager. Also displays satellite status.

System Info - identifies the LINC display and the current software installed on the display (see page 61)

Dealer Settings - 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 significantly affect the operation of the boat.

Surf Select - 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 Pebble Watch.

Pair Remote (for Surf Select) - allows a surfer to switch surf sides behind the boat with the Surf Select Remote

Pair Pebble (for Surf Select)- allows a surfer/rider to switch surf sides, change set speed, change NSS setting, change NCRS setting, and to adjust the volume through a Pebble watch with the Surf Select App.



PREFERENCES MENU

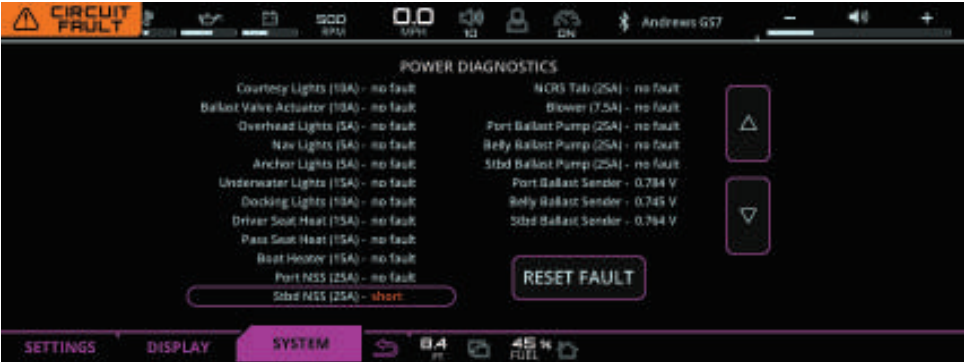


FIG. RR - POWER DIAGNOSTICS ON PREFERENCES MENU

SYSTEM TAB - POWER DIAGNOSTICS PAGE

Power Diagnostics shows all of the electrical circuits and shows which circuits have a fault. This page also shows voltage from the Ballast senders.

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

If an electrical problem has been fixed by a technician, the technician can then navigate to the circuit that had a problem and then hit “Reset Fault” to then reset the status of that particular circuit.



PREFERENCES MENU



FIG. SS - ENGINE DIAGNOSTICS ON PREFERENCES MENU

SYSTEM TAB - ENGINE DIAGNOSTICS PAGE

Engine Diagnostics displays a list of engine fault codes and descriptions; on some engines, corrective action will be shown. This screen shows the current engine hours.

There is also a vertical “Fault Log” tab that will show prior stored faults.



PREFERENCES MENU



FIG. TT - SYSTEM INFO ON PREFERENCES MENU

SYSTEM TAB - SYSTEM INFO

System Info identifies the LINC display and the current software installed on the display.

When pressed, the “Factory Rest Settings” button will reset everything in LINC back to the factory default settings.

NOTE: The “Reboot to Bootloader” button is intended for Nautique or Dealer technicians only. This button allows technicians to load LINC software files (via the LINC USB port) to the display screen.



RIGHT SECTION

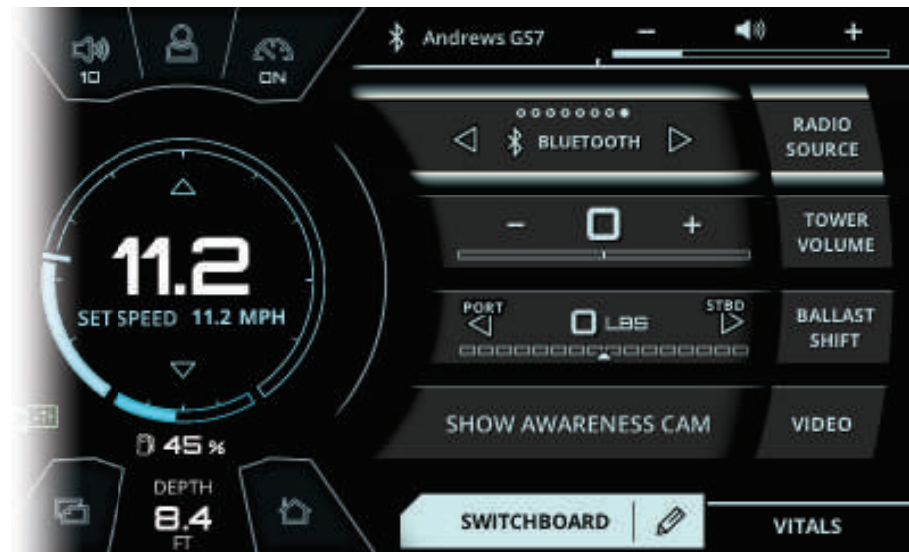


FIG. UU- SWITCHBOARD TAB ON THE RIGHT SECTION OF THE SCREEN

SWITCHBOARD TAB

The right section of the screen does not contain any menus, but contains two permanent tabs: The Switchboard tab and the Vitals tab.

The switchboard tab allows the operator to select his/her four favorite functions so that they can be quickly adjusted (or turned on/off) from the right side of the screen without having to navigate to any left side menus. The operator can freely mix and match functions from various menus on the switchboard tab; these functions will operate exactly as they do from their native menus.



RIGHT SECTION

SWITCHBOARD TAB - EDITING THE FUNCTIONS

There are two ways to select or edit which functions are displayed in the switchboard tab:

- 1. Pressing the pencil icon touch-point (next to the “SWITCHBOARD” name) when viewing the switchboard tab, like the example below.



OR

- 2. Press-and-Hold on the tab button on the Helm Command keypad when the operator has a function highlighted in the Switchboard tab (Radio Source is highlighted in the example below).



RIGHT SECTION



FIG. VV- SWITCHBOARD TAB ON THE RIGHT SECTION OF THE DISPLAY

SWITCHBOARD TAB - EDITING THE FUNCTIONS (CONTINUED)

After touching the pencil icon or performing a press-and-hold on the tab button on the Helm Command, the operator will then see a pop-up message prompting him/her to “Edit Switchboard Functions”.

The first step is to select which current function (Lines 1, 2, 3 or 4) you would like to replace (see Fig VV for reference).

You can either make your selection via touchscreen or through Helm Command by rotating the knob and pressing down.



RIGHT SECTION



FIG. WW- SWITCHBOARD TAB ON THE RIGHT SECTION OF THE DISPLAY

SWITCHBOARD TAB - EDITING THE FUNCTIONS (CONTINUED)

The second step is to then select which new function you would like for that particular line via touchscreen or Helm Command (see Fig. WW).

Please note that all of the different possible switchboard functions are organized into tabs at the bottom of the screen. You may change which tab is visible through the touchscreen or through the tab button on the Helm Command keypad.

Also note that there may be a scroll bar on the left side of the screen, indicating that you may need to scroll down to see additional functions. Some switchboard functions are dependent upon certain optionally equipped items (e.g., certain audio functions for the Zone Control option) and those functions will not be displayed if certain options are not equipped.

After selecting your desired function, the Edit Switchboard dialog box will close and will display the new function in its proper location on the right side of the screen under the switchboard tab.



RIGHT SECTION

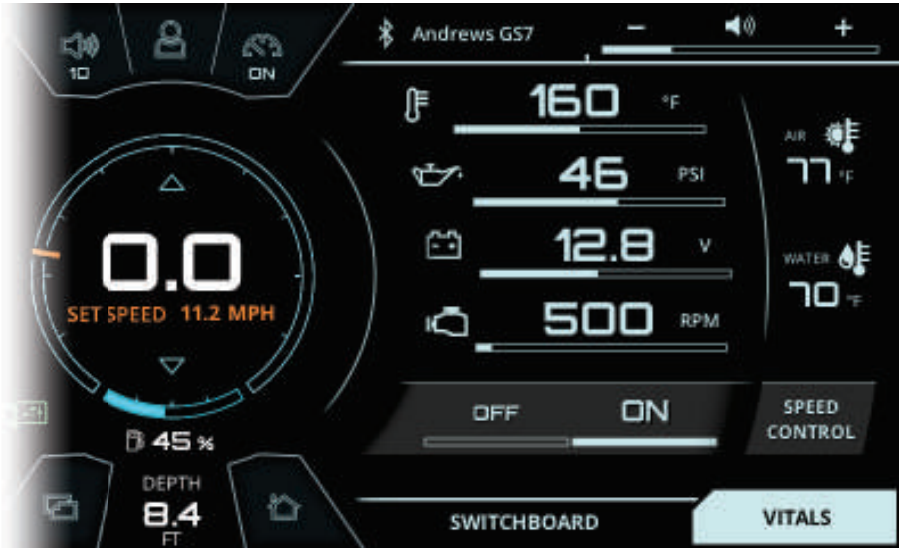


FIG. XX- SWITCHBOARD TAB ON THE RIGHT SECTION OF THE DISPLAY

VITALS TAB

This tab displays all of the vital engine gauges and system information for the boat in a large, easy to read format. This includes:

- Engine temperature
- Engine oil pressure
- Battery charging voltage
- Engine RPM
- Air Temperature
- Water Temperature

The tab also includes the Speed Control On/Off so that users can quickly turn that on or off as needed.





WARNING AND POP-UP MESSAGES



FIG. XX - ENGINE DIAGNOSTICS ON PREFERENCES MENU

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 left hand corner of the screen until the problem is corrected (see image below).



WARNING AND POP-UP MESSAGES



FIG. YY - ENGINE DIAGNOSTICS ON PREFERENCES MENU

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 left hand corner of the screen until the problem is corrected (see image below).



LINC PANORAY GENERAL TROUBLESHOOTING GUIDE

Display appears not to work or doesn't come "ON."

1. Display could be in *sleep* mode. Touch a key on the keypad to activate the display.
2. Check for loose connections at battery and display unit.
3. Check for reversed polarity on the power connections.
4. Verify battery has a minimum voltage of 6 Volts.

Display resets or goes "OFF" when starting engine.

1. Check display supply wires are connected properly to battery.
2. Verify battery is charged properly.
3. Check battery for efficient starter current.

Display has no backlight.

Contact your Nautique service center.

Display has no keypad backlight.

Contact your Nautique service center.



NAUTIQUE®

14700 Aerospace Parkway • Orlando, FL 32832

1-800-346-2092 • www.nautique.com