

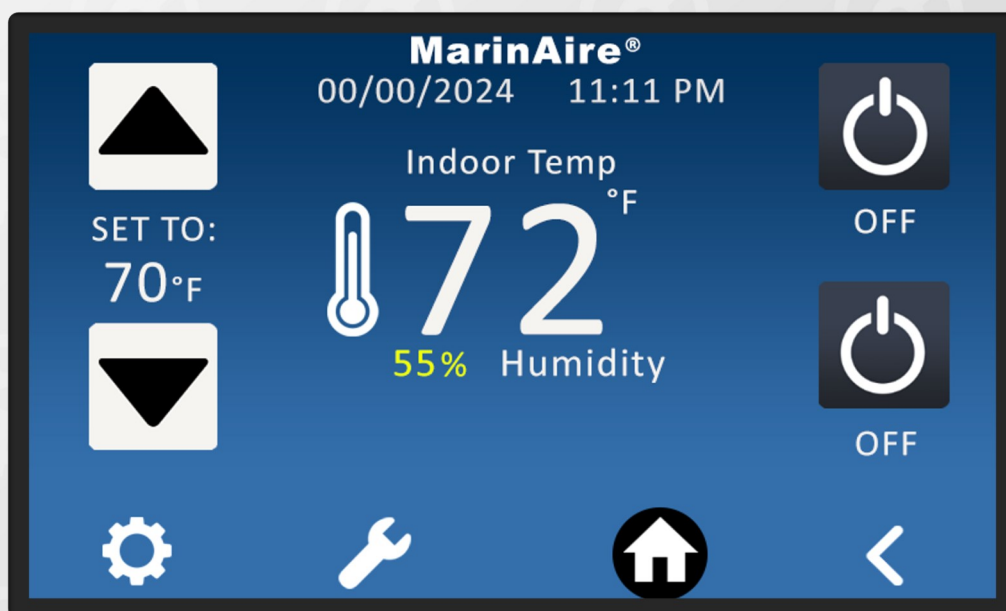


MarinAire®

the comfort you deserve

USER GUIDE AND MANUAL

Neption™ Touchscreen Controller



Read and save these instructions.

For assistance, please visit www.marinaire.com

Or contact us at info@marinaire.com

WELCOME

Congratulations on your purchase of the MSWA model marine air conditioner! The MSWA models come with the Neption™, that can also be used remotely with an app. Once you connect it to Tuya/Smart Life, you can control your heating, cooling and dehumidification from anywhere. The Neption™ offers the perfect solution for boaters who are always on the move, those who live abroad, those who manage remotely, or anyone wants peace of mind when it comes to their comfort settings onboard.



Do not use any other plug.

The correct cable type for this thermostat is Cat-6.

Pin out is T-568B.

Need Help?

Please visit www.marinaire.com

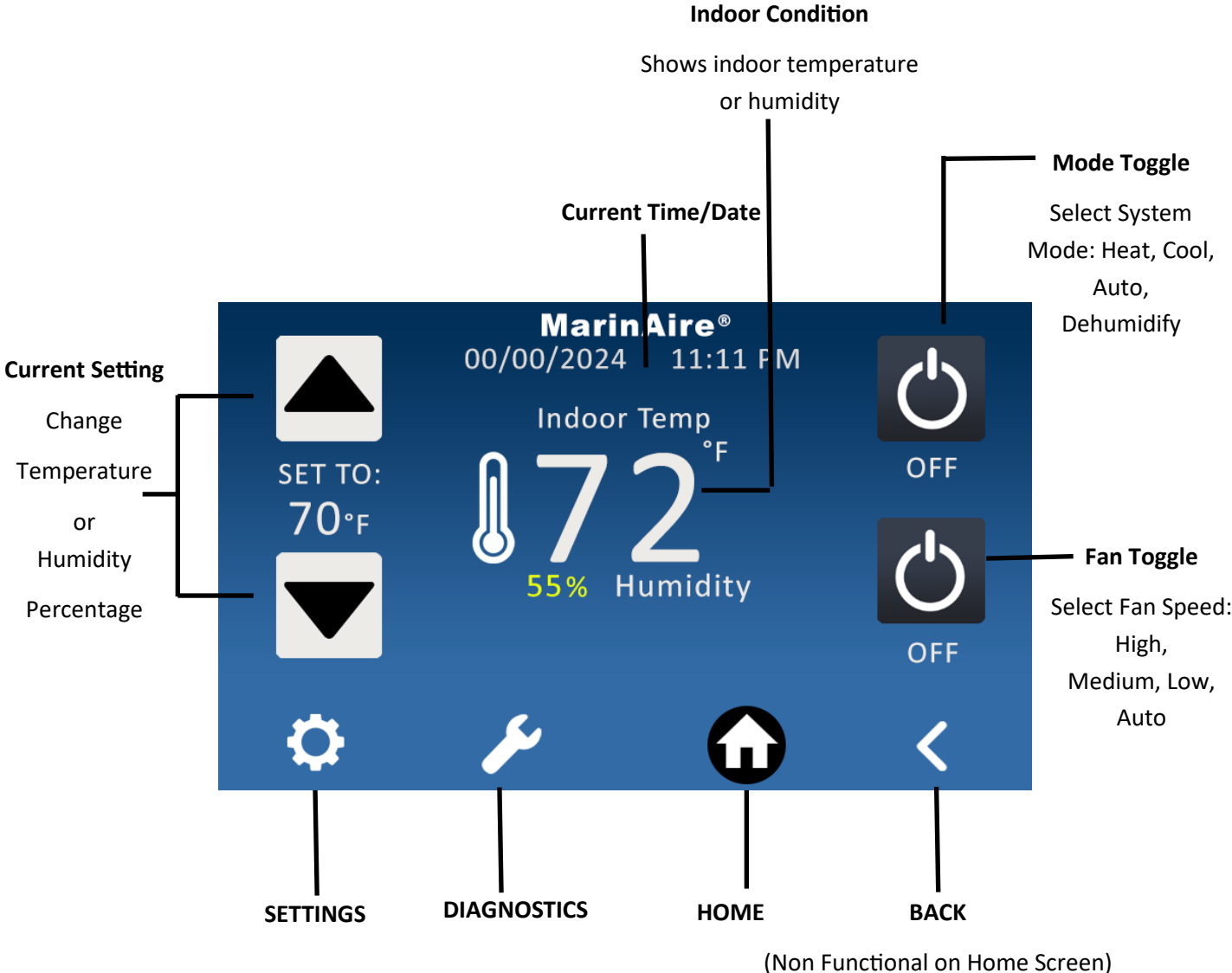
Info@marinaire.com

1(800)-724-8071

TABLE OF CONTENTS

Welcome	#2
QUICK REFERENCE: HOME SCREEN.....	#4-8
• Home screen icons	#5-6
• Home screen definitions	#7
• Home screen error mode	#8
QUICK REFERENCE: SETTINGS SCREEN.....	#9-20
• Settings screen icons	#10
• Language	#11
• Display	#12-13
• Date/Time.....	#14
• Connections.....	#15
• Schedule	#16
• Security.....	#17
• Screen Orientation	#18
• Fan Interval.....	#19
• Unit	#20
QUICK REFERENCE: DIAGNOSTICS SCREEN	#21-24
• Troubleshooting	#22
• Logs.....	#23
• Restart/Reset.....	#24
HOW TO: Pair the Neption™ to a smart device	#25-29

QUICK REFERENCE: HOME SCREEN



HOME SCREEN ICONS



OFF BUTTON: The system is off.

MODE TOGGLE OPTIONS



COOL MODE: Switches the unit to cooling mode.



HEAT MODE: Switches the unit to heating mode.



AUTO MODE: Switches the unit to auto mode, where it heats or cools depending on desired temperature. (In this mode, the temperature fluctuation range will be greater than dedicated cool or heat mode. The fan will only work on auto fan.)



FAN MODE: Switches the unit to fan only mode. The unit will not heat or cool, only the fan will work at desired speed.



DEHUMIDIFY MODE: Switches the unit to dehumidification mode depending on desired humidity percentage. (The fan speed will only work at low speed.)

HOME SCREEN ICONS

FAN TOGGLE OPTIONS

(the system may be forced to change speed, even if a different speed is selected by the user, depending on the operation mode and room temp and coil temperature)

(** THE FAN TOGGLE OPTIONS MAY BE DISABLED FOR SOME OPERATION MODES)



LOW FAN: Switches the unit to low fan mode. Fan constantly runs on low speed.



MEDIUM FAN: Switches the unit to medium fan mode. Fan constantly runs on medium speed.

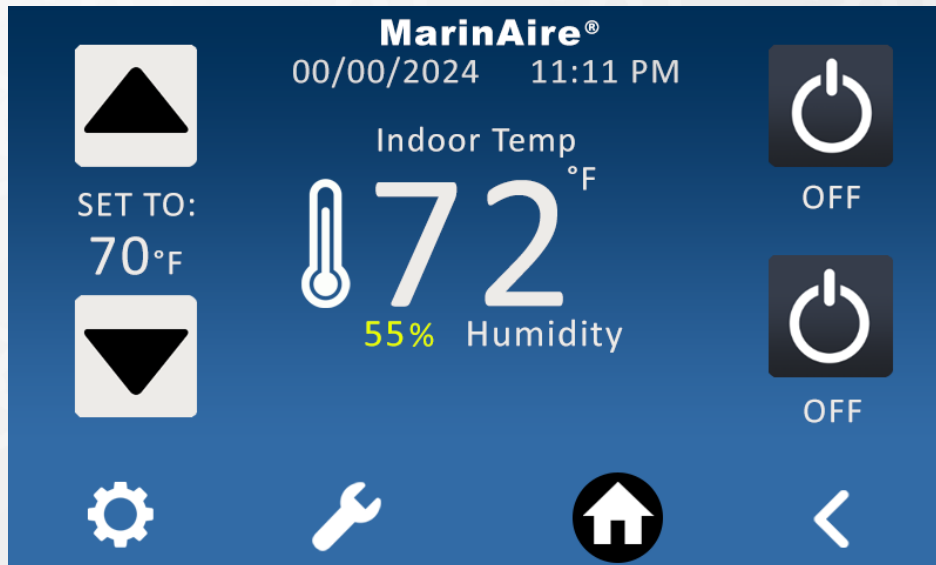


HIGH FAN: Switches the unit to high fan mode. Fan constantly runs on high fan speed.



AUTO FAN: Switches through the fan speeds and cycles on and off with the compressor.

HOME SCREEN DEFINITIONS



Units of Measurement:

°F: Fahrenheit

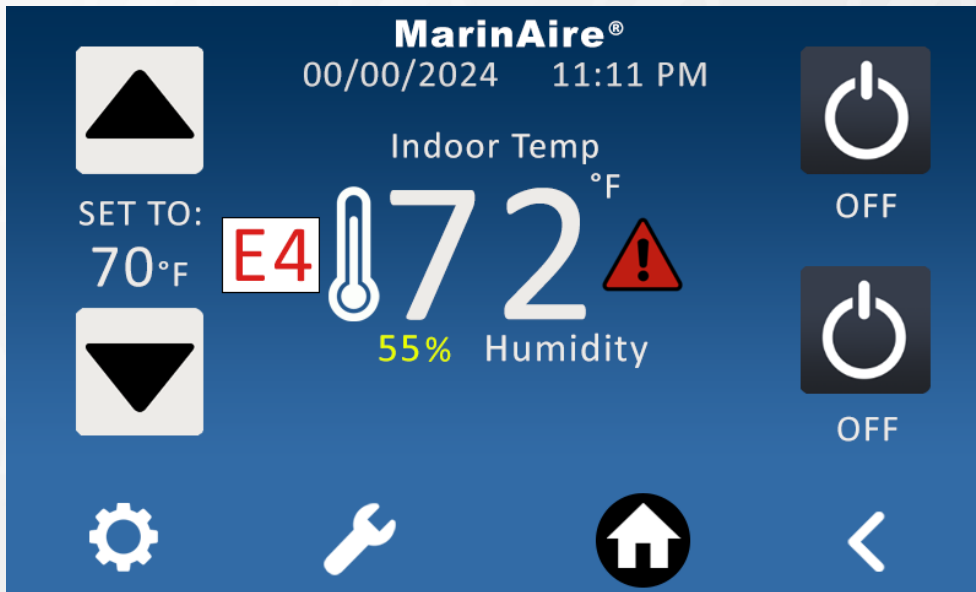
°C: Celsius (Centigrade)

%: Humidity Percentage

Back button:

The back button takes the user to the previous page. (This is non functional on home screen)

HOME SCREEN: FAILURE/PROTECTION ALARM



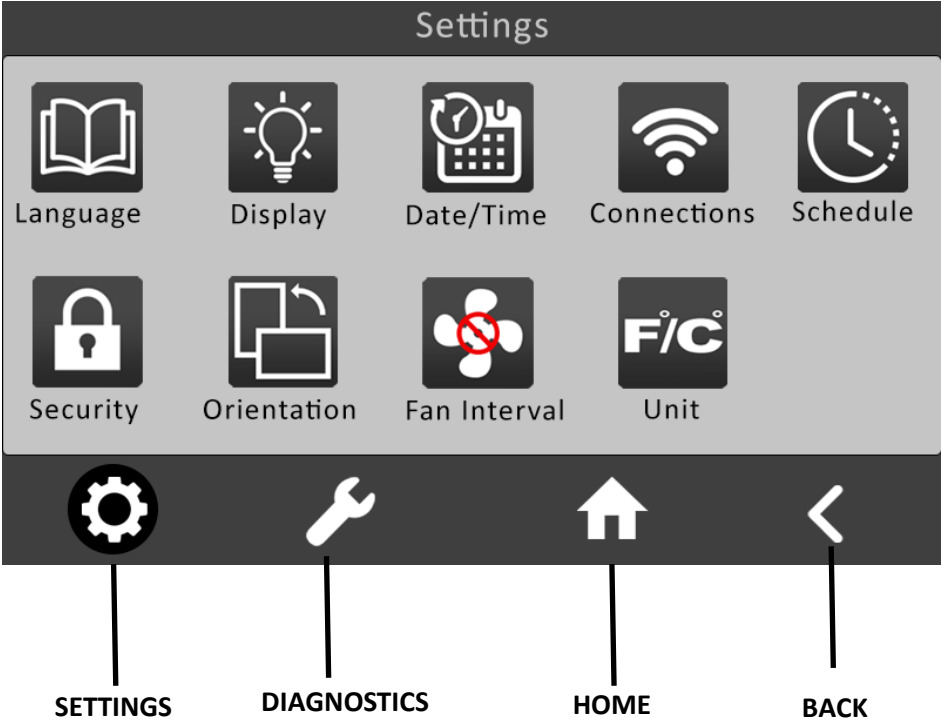
FAILURE/PROTECTION ALARM:

If your unit is undergoing issues or operating out of range (such as lack of waterflow/airflow), the unit will enter protection mode and display a code. A flashing caution symbol will appear next to the indoor temperature/humidity in the middle of the screen.

On the upper right, you can see a white box with the exact alarm code or codes.

When the unit experiences an error, proceed to “DIAGNOSTICS” (wrench icon) and refer to the manual, for more information. Do not continue operating the unit before fixing the issues that causes the alarm.

QUICK REFERENCE: SETTINGS SCREEN



SETTINGS SCREEN ICONS



LANGUAGE: Set language.



DISPLAY: Set brightness, backlight duration, and home theme.



DATE/TIME: Set current date and time



CONNECTIONS: Enable or Disable Wi-Fi, and see current connection status.



SCHEDULE: Set schedule for heating or cooling. (Timer)



SECURITY: Set optional password to be able to enter settings.



SCREEN ORIENTATION: Set screen orientation to vertical or horizontal installation.



FAN INTERVAL FUNCTION: Enable or Disable fan interval function (the fan turns on momentarily every 5 minutes to recirculate the air in the cabin).



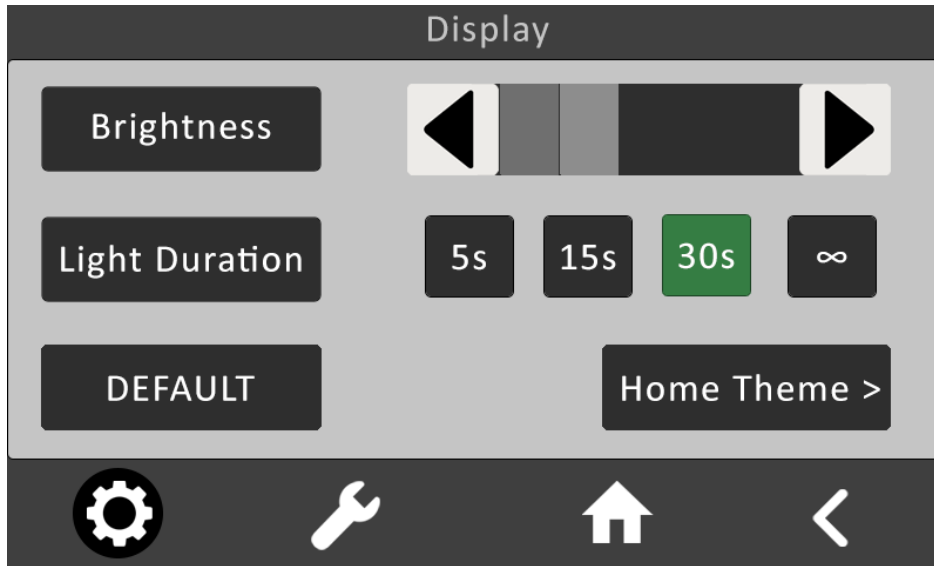
UNIT OF MEASUREMENT: Switch between Fahrenheit and Celsius (Centigrade).

QUICK REFERENCE: SETTINGS SCREEN> LANGUAGE SETTINGS



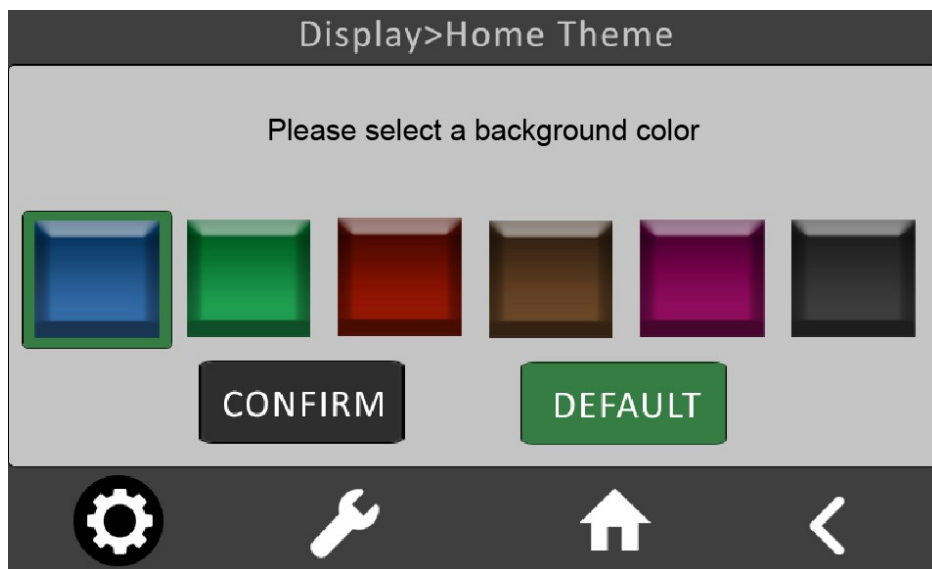
LANGUAGE: Select language.

QUICK REFERENCE: SETTINGS SCREEN> DISPLAY SETTINGS



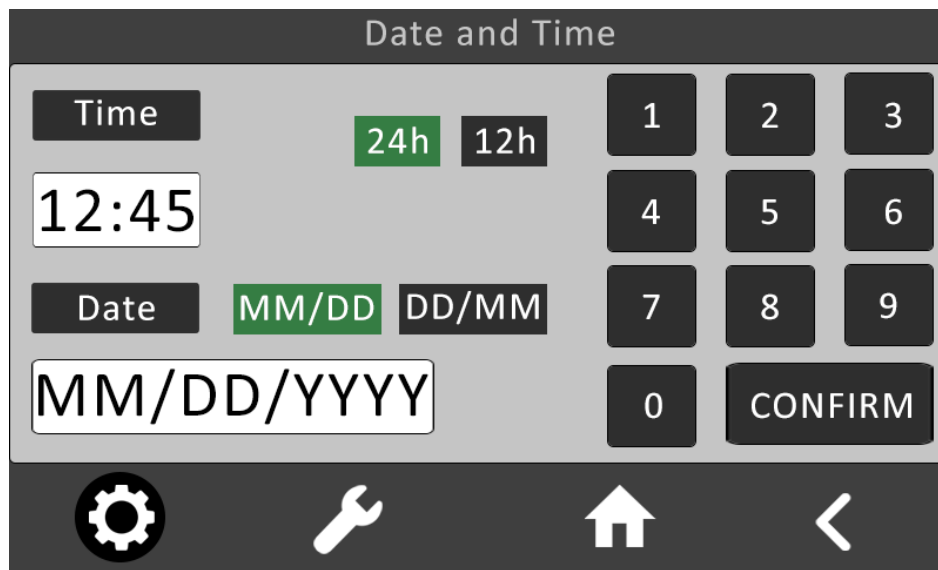
Brightness: Use the arrow keys to adjust screen brightness

Light Duration: Select the amount of time the backlight on the thermostat will stay on if idle.



Home Theme: Select desired background color, and press confirm.

QUICK REFERENCE: SETTINGS SCREEN> DATE/TIME SETTINGS



24h vs 12h:

24h: Time of day is written in 24-hour notation.

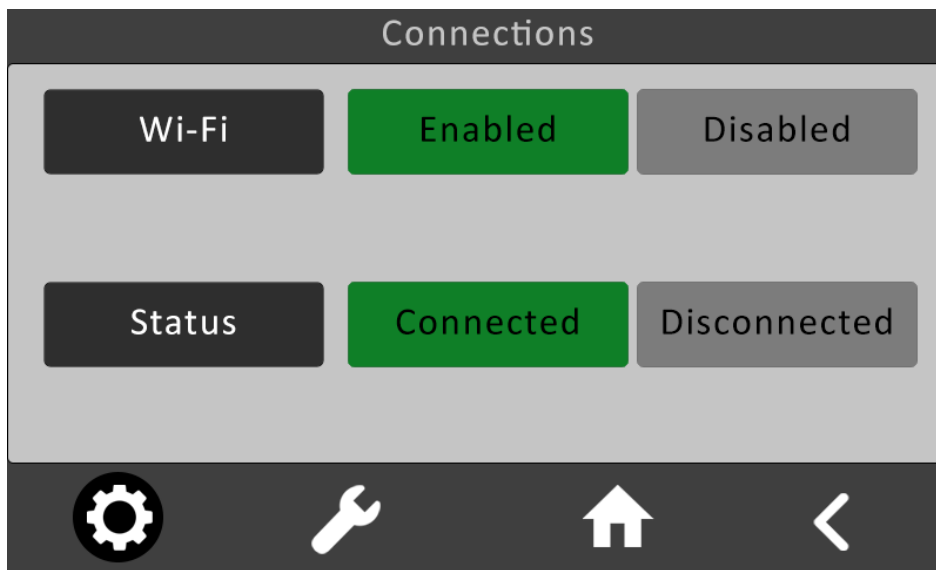
12h: Time of day is written in 12-hour notation. Two additional buttons AM and PM should pop up.

MM/DD vs DD/MM

MM/DD: Date is written in the following order: Month, Day, Year

DD/MM: Date is written in the following order: Day, Month, Year

QUICK REFERENCE: SETTINGS SCREEN> CONNECTIONS SETTINGS



Wi-Fi:

Enabled: Allows the controller to be open for connection to local wifi network.

Disabled: Disables wi-fi connection.

Status:

Connected: Controller is currently connected to the app.

Disconnected: Controller is not connected to the app.

QUICK REFERENCE: SETTINGS SCREEN> SCHEDULE SETTINGS

The screenshot shows a 'Set Daily Schedule' screen with the following elements:

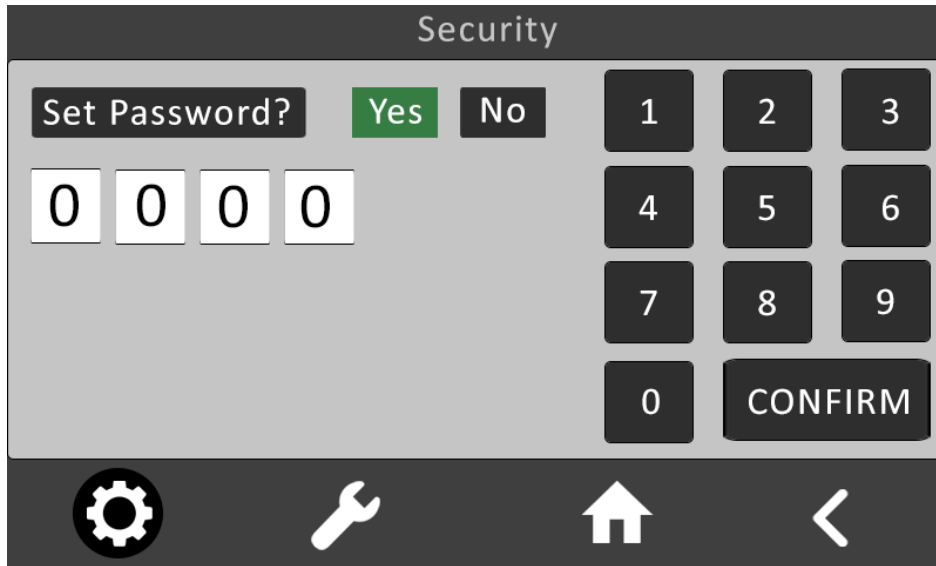
- Start:** 12:45 AM (AM selected)
- Stop:** 10:45 PM (PM selected)
- Mode:** AUTO (represented by a square with 'A' and a circular arrow)
- Enable:** Yes (selected in green), No
- Navigation:** A numeric keypad (0-9) and a CONFIRM button are on the right. A bottom bar contains icons for settings (gear), tools (wrench), home (house), and back (left arrow).

Set Daily schedule example:

In the example above, the unit is set to run on AUTO mode between 12:45 AM and 10:45 PM.

If you do not want to set a schedule, select "NO" on enable.

QUICK REFERENCE: SETTINGS SCREEN> SECURITY SETTINGS



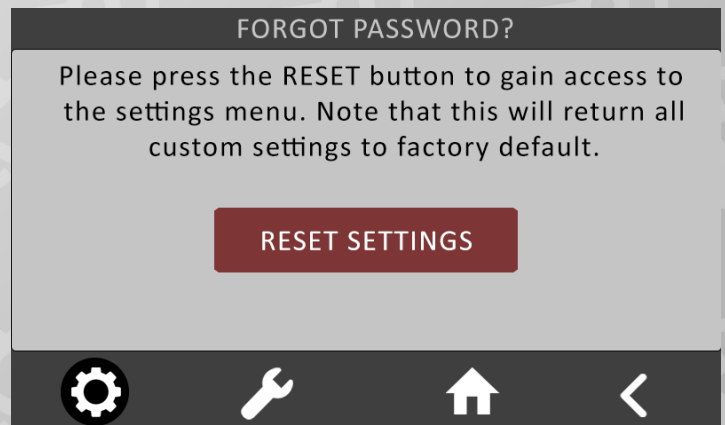
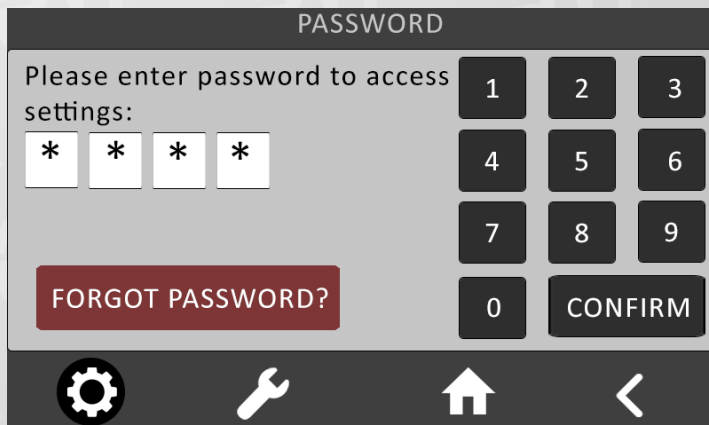
Default Password: 6587

Security settings

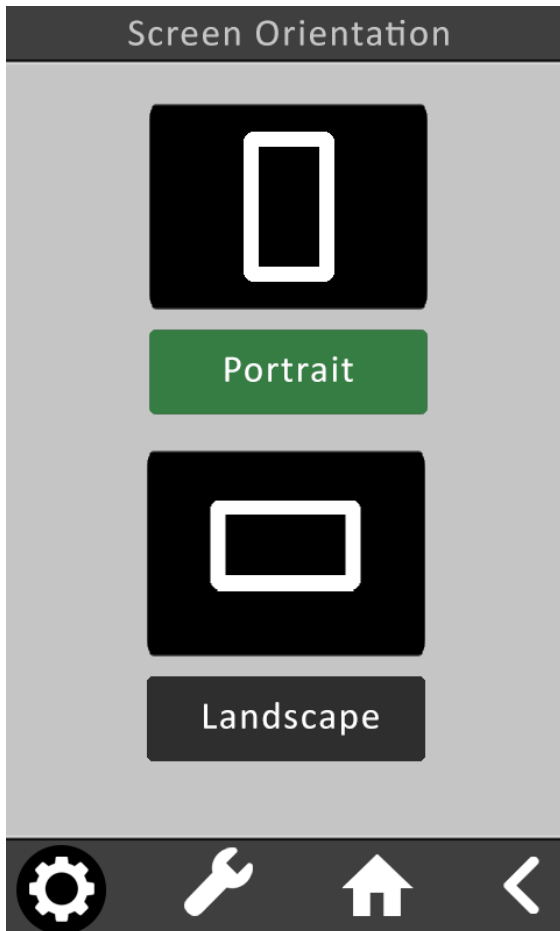
Users can now set a password to protect their settings menu.

The purpose of the security settings is to protect custom temperature parameter/display/language/time etc.

If password is set, when the user attempts to enter settings menu, the following screen will pop up (left).
If password is forgotten, user can reset settings which will reset all custom settings to default (right).



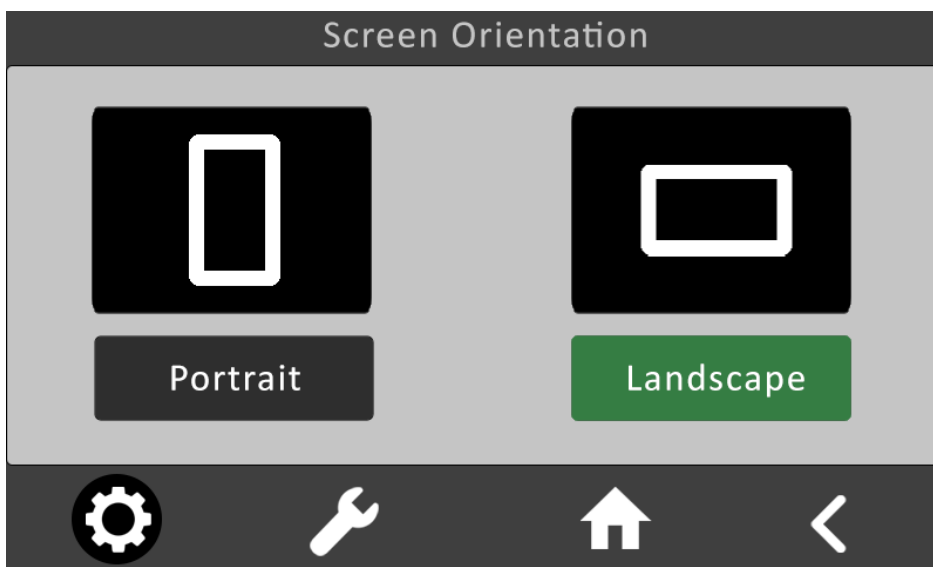
QUICK REFERENCE: SETTINGS SCREEN> SCREEN ORIENTATION



1. Select desired installation type.

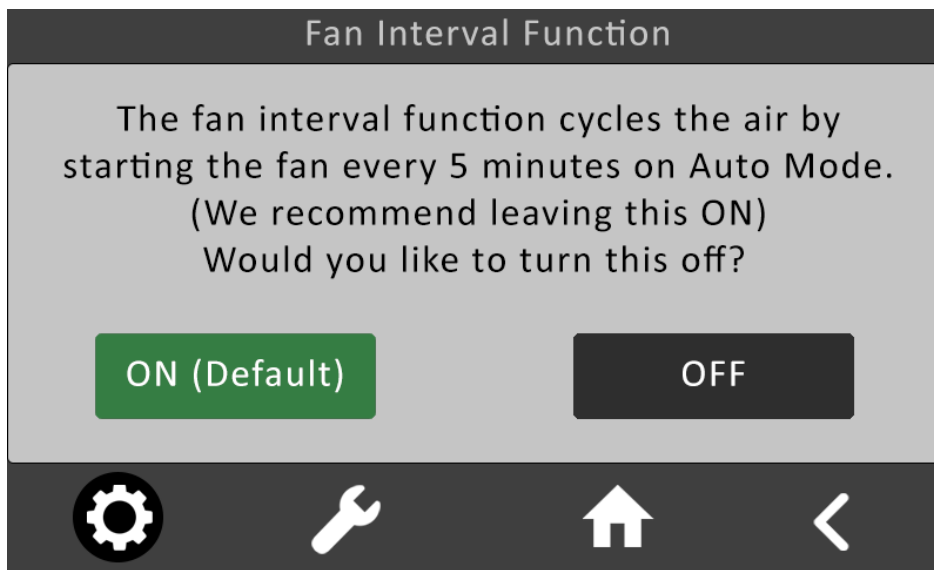
The Neption™ allows for a unique opportunity for the user to install their controller either horizontally or vertically.

In many boats thermostat controller area is limited, this is ideal for narrow and tall or wide and short installations depending on the limitations of your space.



QUICK REFERENCE: SETTINGS SCREEN>

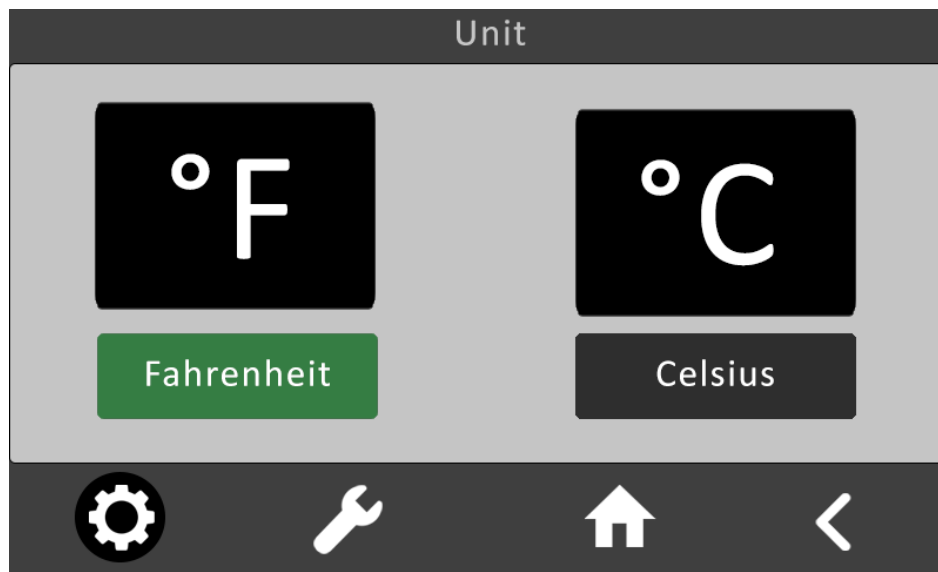
FAN INTERVAL FUNCTION



The purpose of the fan interval function is to recirculate the air in the cabin and to get a better reading of the temperature. In many installations, the units are installed in a remote location where the temperature is different from the actual cabin temperature. Since the sensor is located on the return air grille, the temperature will be read from the installation location. If the unit sits still for a long time without air circulation, the unit may never start or stop etc. This is why it is necessary to turn this function on for better temperature control and smaller temperature fluctuation. We also provide a remote sensor that comes with the unit free of charge. If the remote sensor is installed, then this function may be turned off.

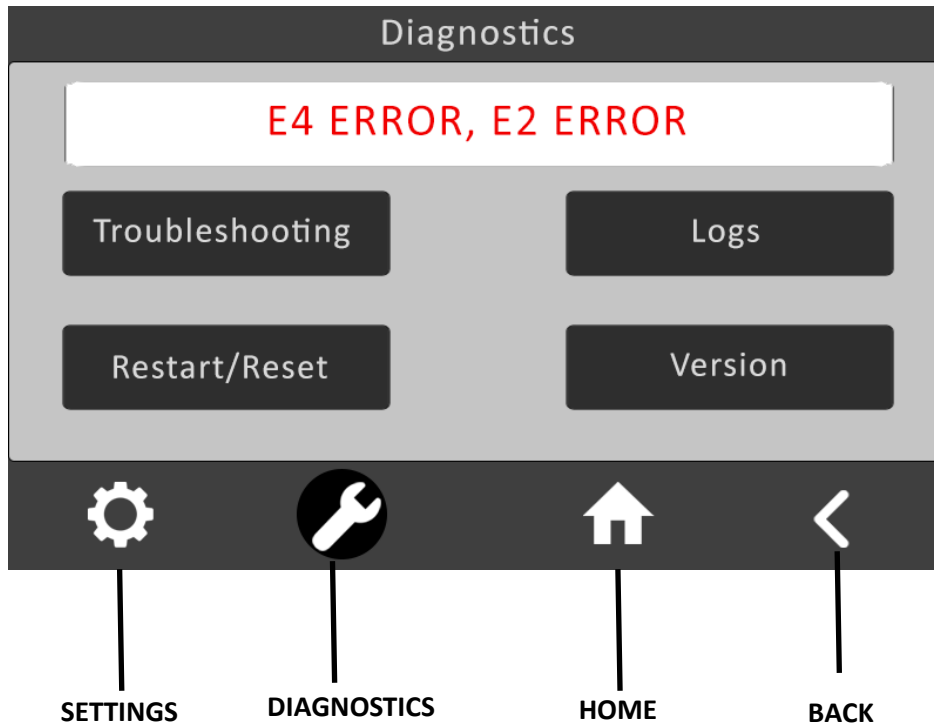
QUICK REFERENCE: SETTINGS SCREEN>

UNIT SETTINGS



Unit Settings: Set the desired unit of measurement.

QUICK REFERENCE: DIAGNOSTICS SCREEN

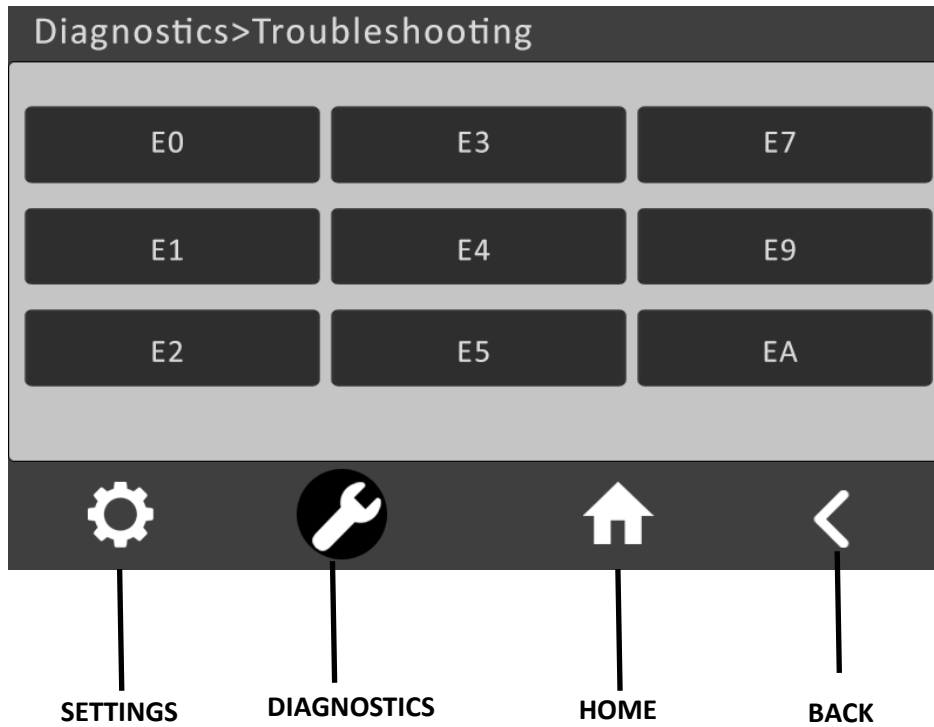


DIAGNOSTICS SCREEN

Displays current alarm code(s) on top white bar. The controller will show a brief description under the troubleshooting. For a more detailed description, please refer to troubleshooting and installation manual.

Version displays the current version of the thermostat.

QUICK REFERENCE: DIAGNOSTICS SCREEN > TROUBLESHOOTING



Troubleshooting Menu

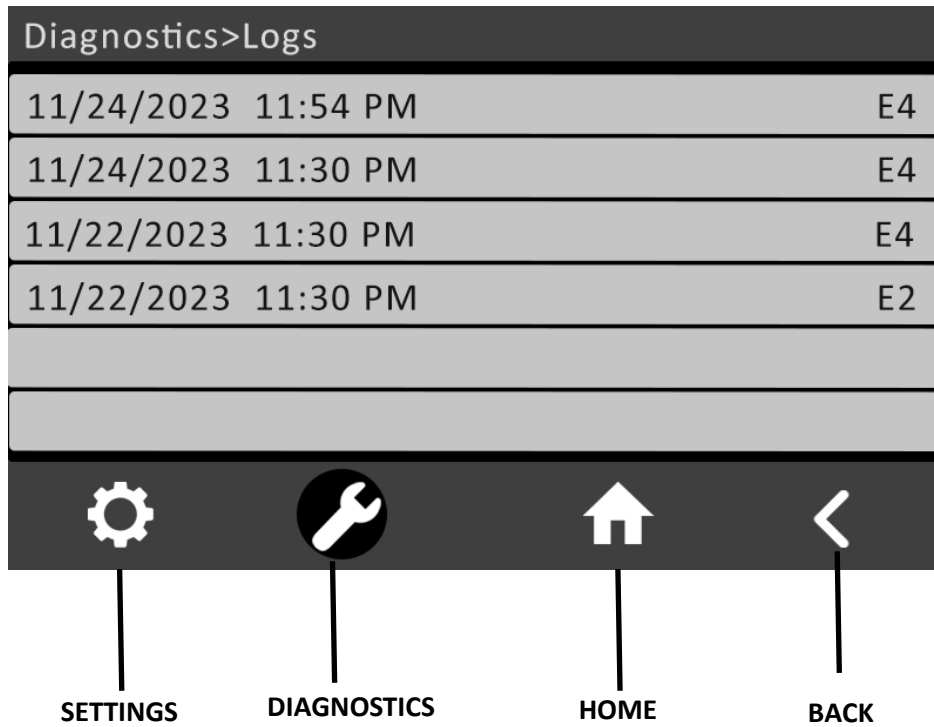
The troubleshooting menu displays all possible alarm codes for MSWA units.

Users can click any alarm code to get more information.





(The alarm codes may be different based on previous models and serial numbers).

QUICK REFERENCE: DIAGNOSTICS SCREEN>

LOGS



Diagnostics>Logs		
11/24/2023	11:54 PM	E4
11/24/2023	11:30 PM	E4
11/22/2023	11:30 PM	E4
11/22/2023	11:30 PM	E2

			
SETTINGS	DIAGNOSTICS	HOME	BACK

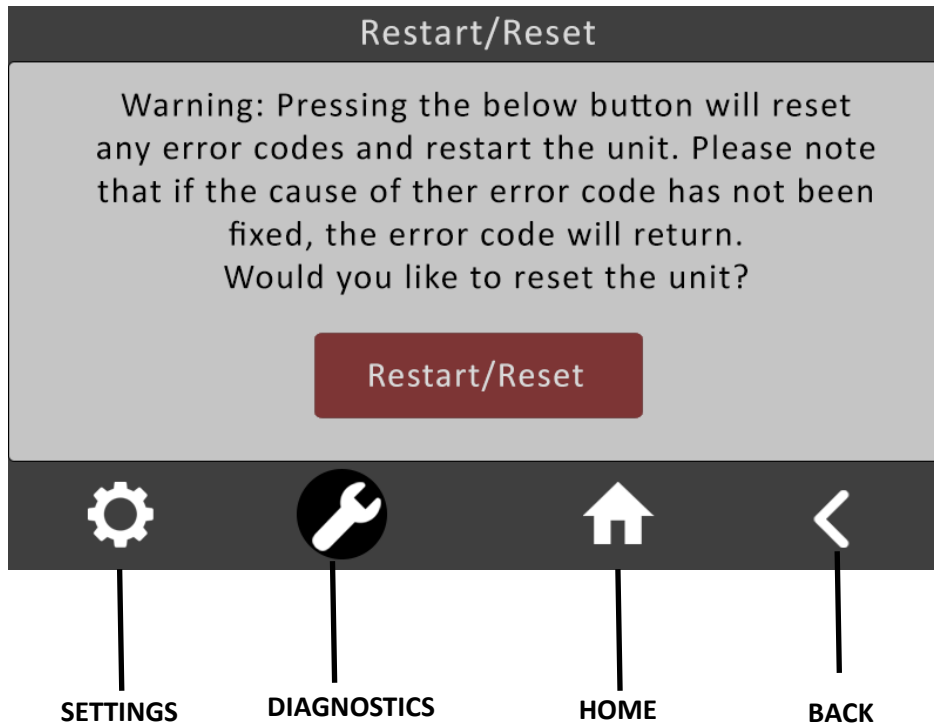
Logs Menu

Displays all alarm code logs according to set time and date.

Select the RESTART/RESET button on the diagnostics screen to clear logs.

QUICK REFERENCE: DIAGNOSTICS SCREEN>

RESTART/RESET MENU



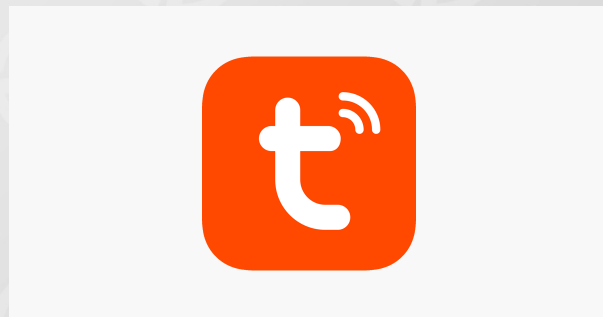
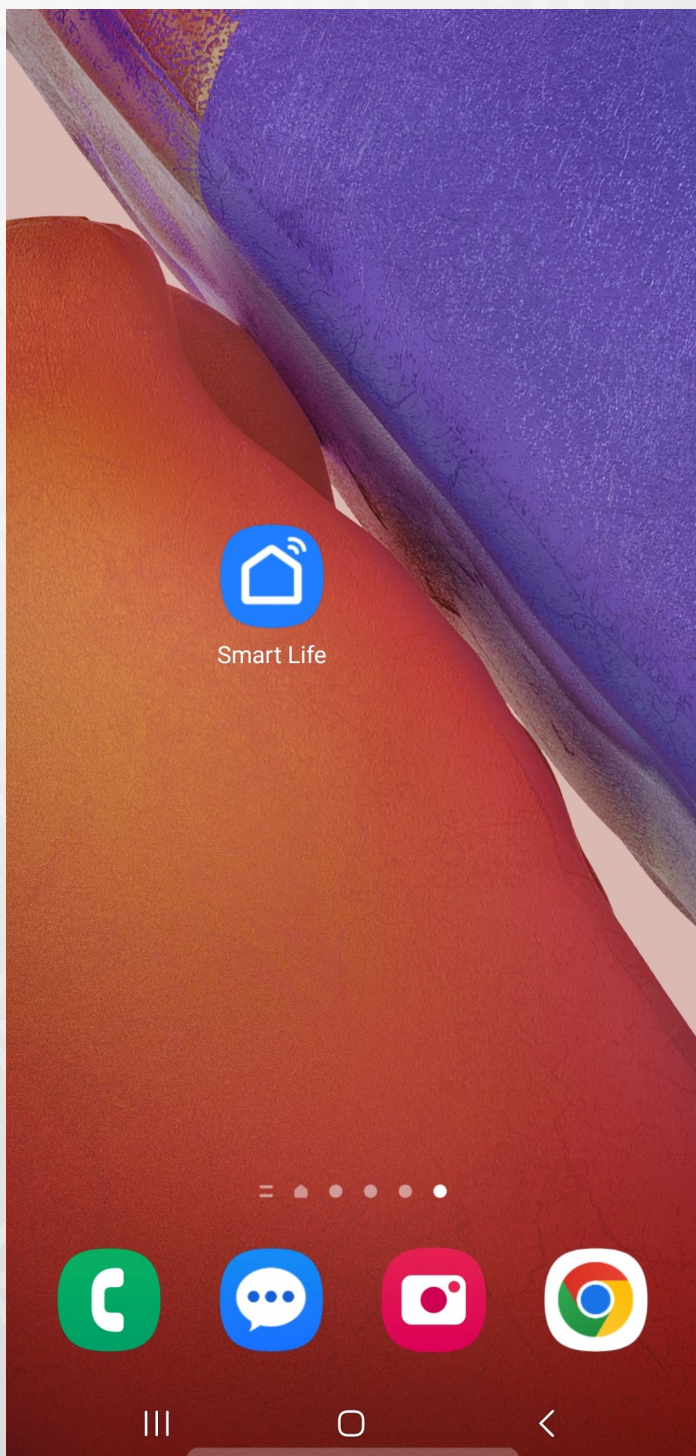
RESTART/RESET Menu

User can reset the error code on the unit. If the error code is unable to reset, or returns, then the user must solve the cause of the error before restarting/resetting.

Select the RESTART/RESET button on the diagnostics screen to clear logs.

HOW TO: Pair the Neption™ to a smart device

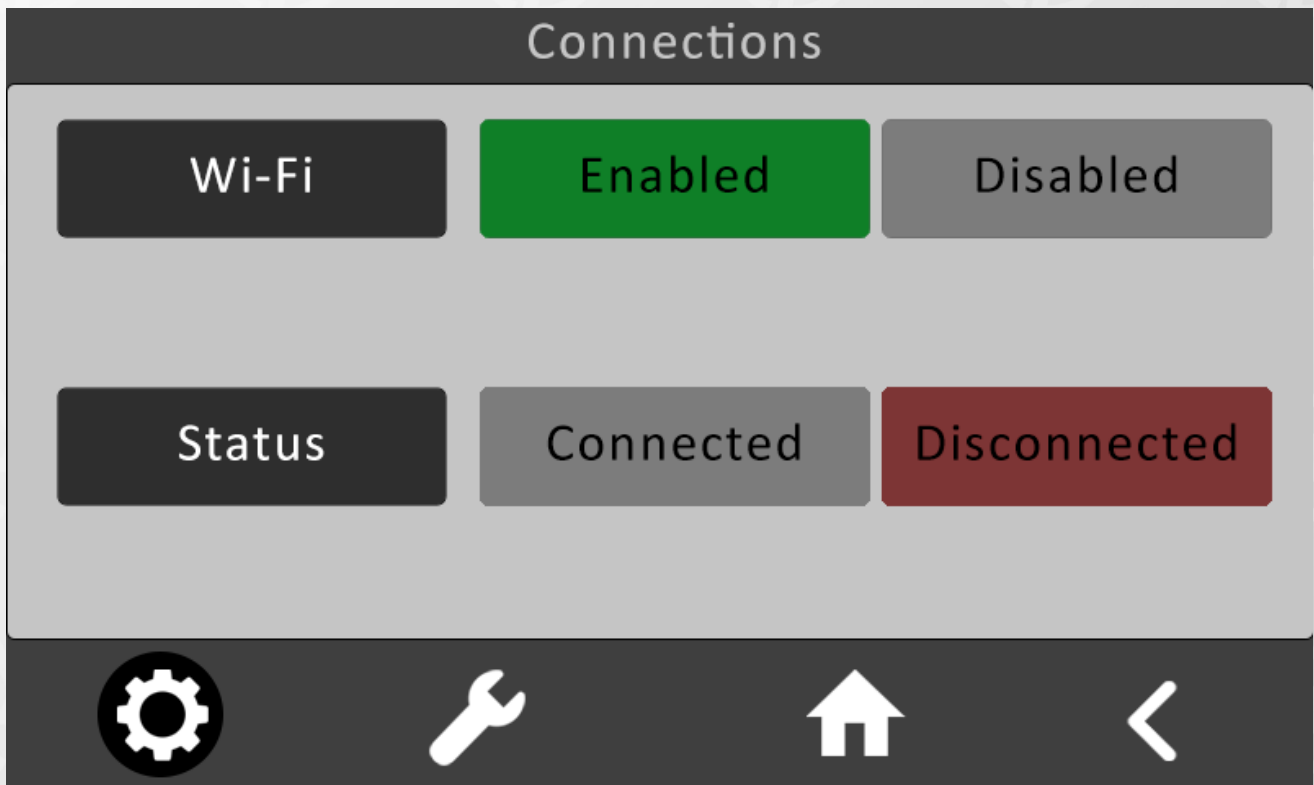
Step 1: Please download the Tuya or Smart Life app through your app store.



HOW TO: Pair the Neption™ to a smart device

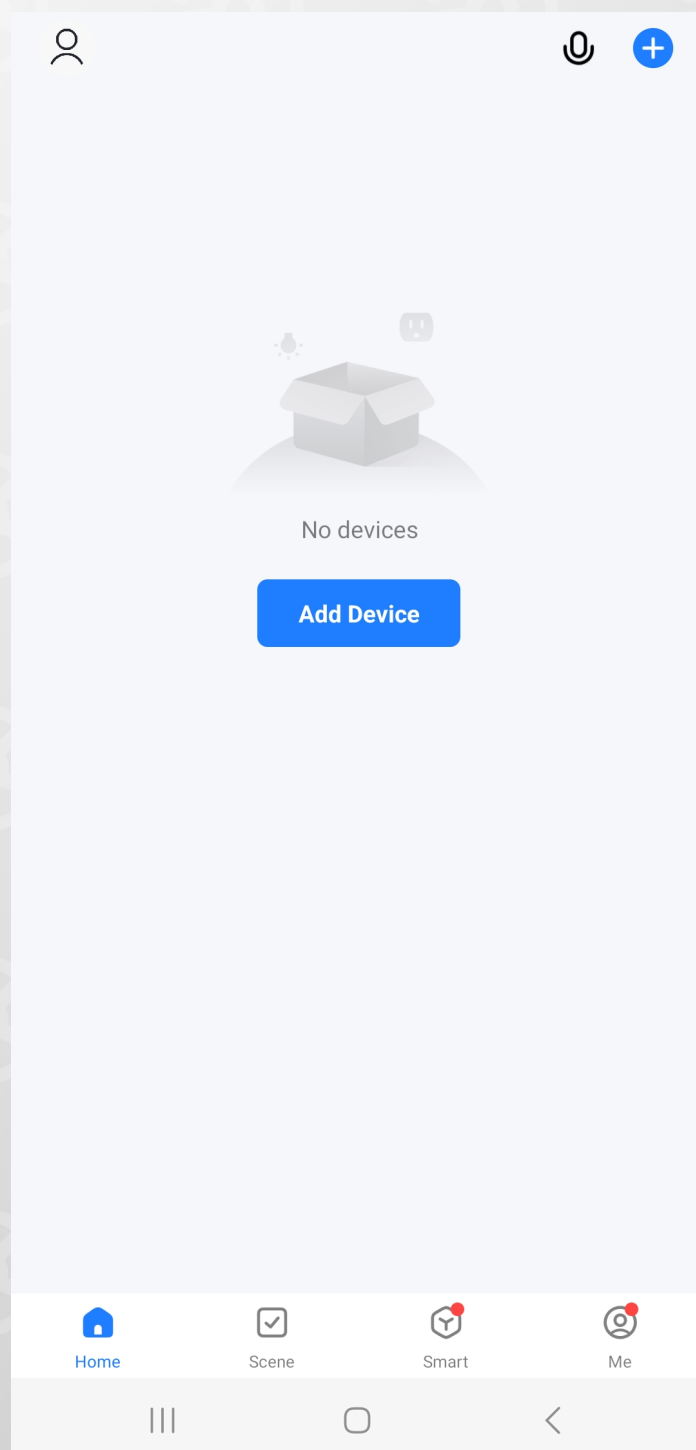
Step 2: Please ensure that Wi-Fi settings are enabled on the Neption™ .

(Go to Settings > Connections to access the wi-fi settings. Press “Enabled” and ensure that it is lit up green.)



HOW TO: Pair the Neption™ to a smart device

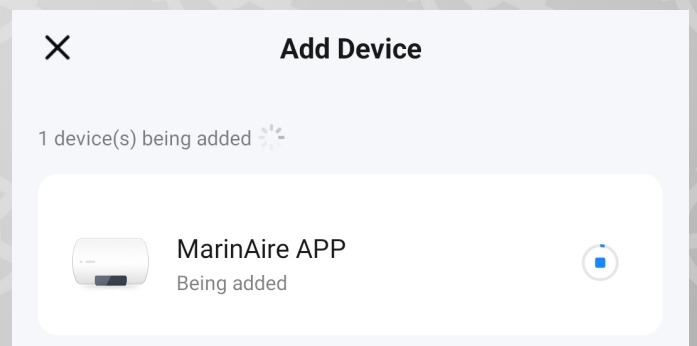
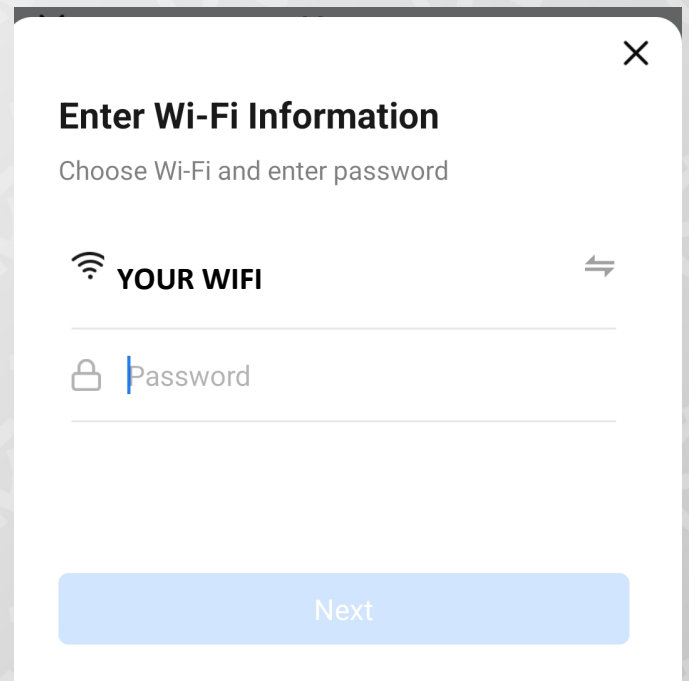
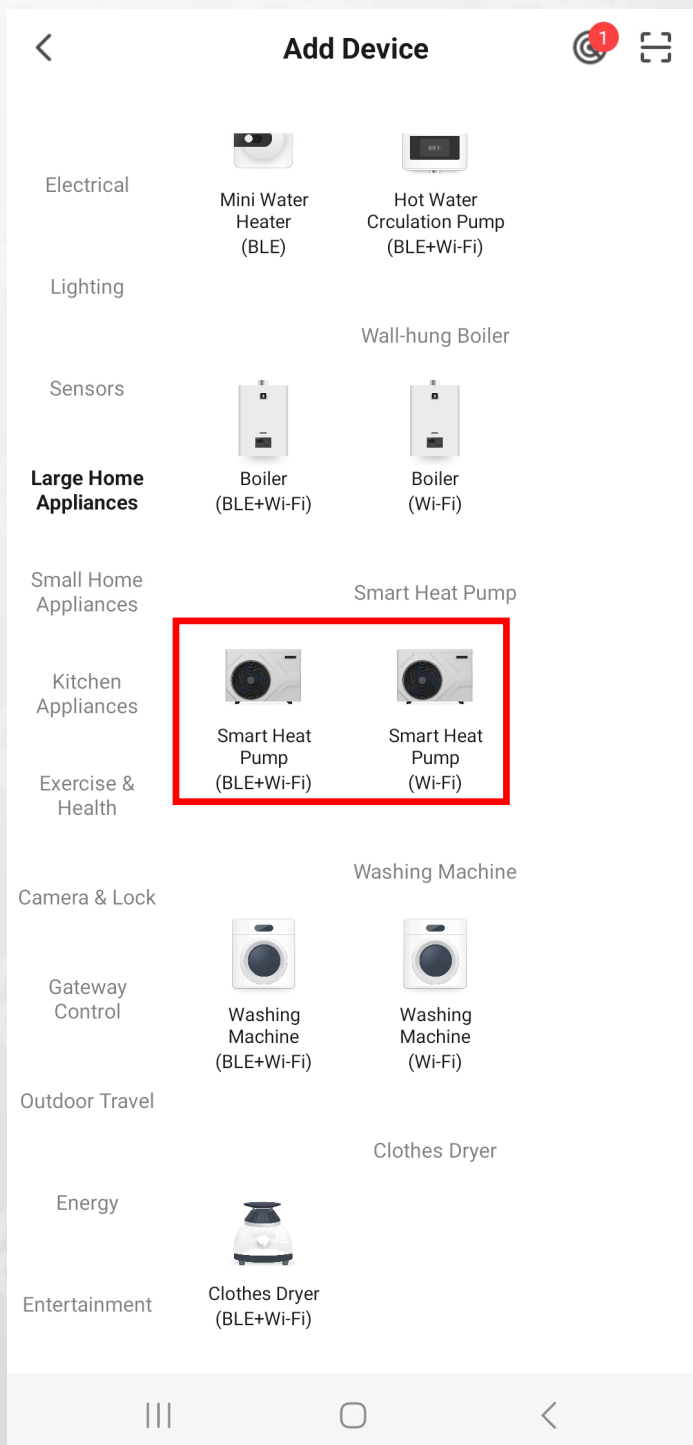
Step 3: Open Tuya or Smart Life app. Select “Add Device” from the Home Page.



HOW TO: Pair the Neption™ to a smart device

Step 4: Select Smart Heat Pump. Then, connect your smart device to your router's 2.4 GHz Wi-Fi network by entering your wi-fi password. (It may ask if a light/sensor is flashing, in this case, select "Yes".)

Your device will then show that it is connecting.



HOW TO: Pair the Neption™ to a smart device

Step 5: Congratulations! You are connected.

