



A7 USER MANUAL

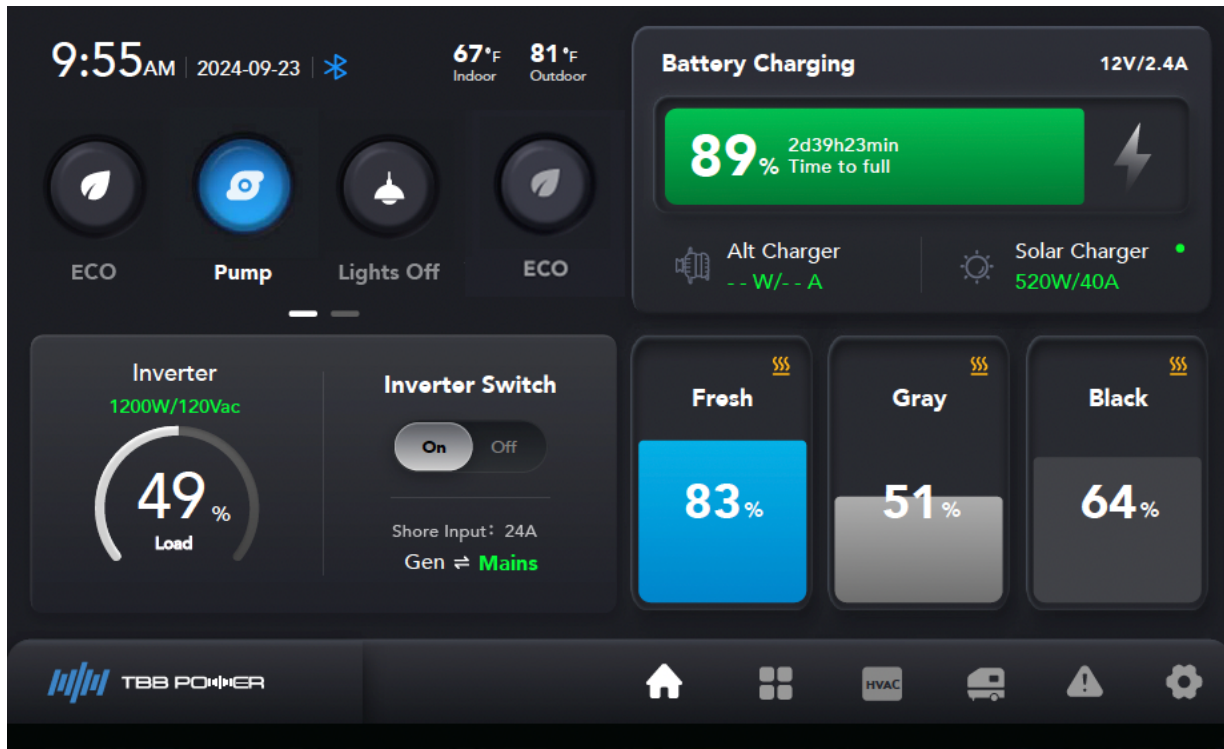
v1.0



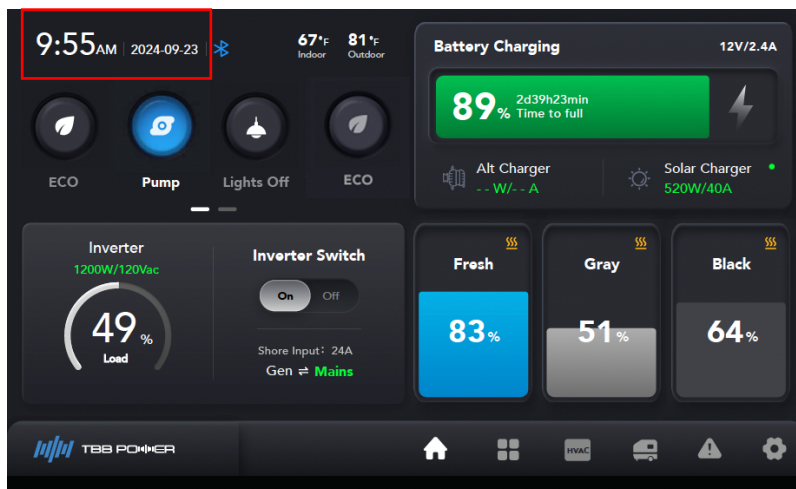
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Main Page

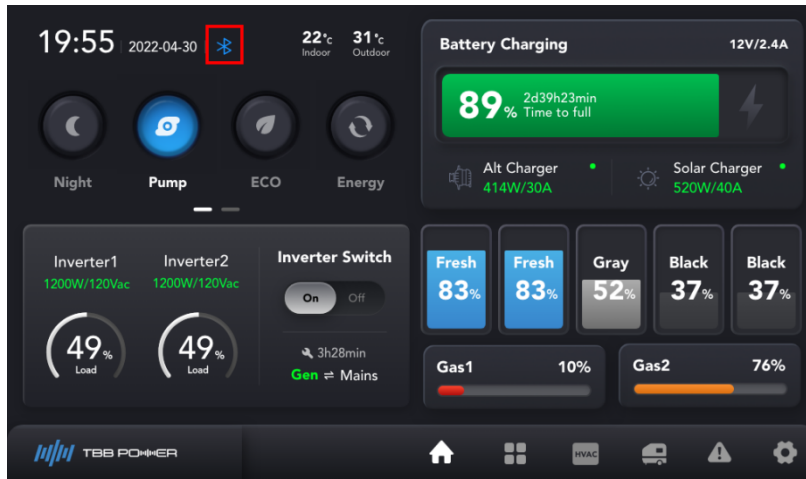



1) Time/Date



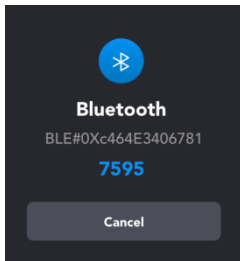
① The default display is 24-hour, and users can change it to 12-hour in the [Settings-Screen-Time] and set the current time. The default display format is year-month-day, and users can change the date and display format in [Settings-Screen-Date]

2) Bluetooth



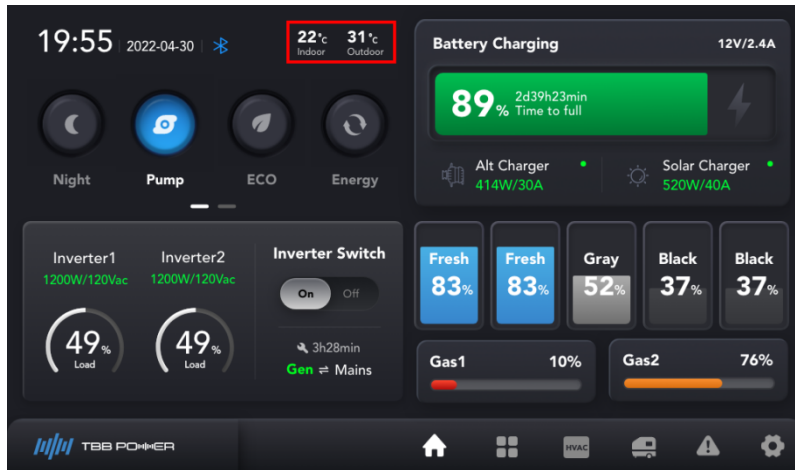
① When Bluetooth is not connected, the icon in this area is displayed as : 

② Click on the Bluetooth icon to open a pop-up window which will display the code needed to pair with a mobile device.



③ Once the device is connected, the pop-up window will close (this window is accessible any time by clicking the Bluetooth icon).

3) Indoor/outdoor Temperature

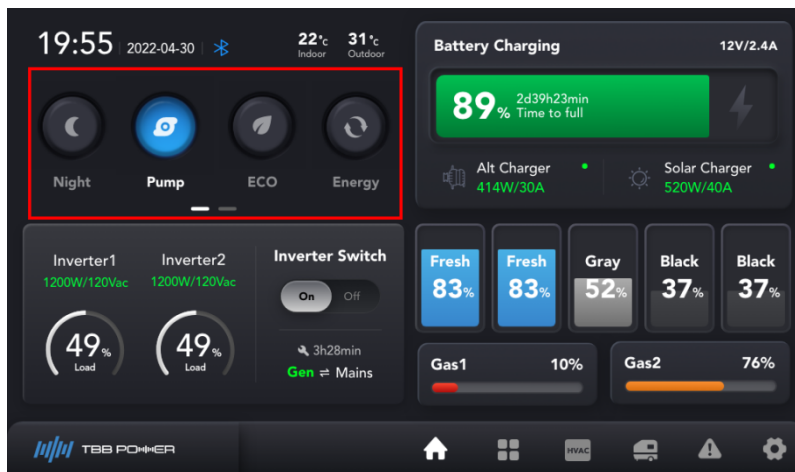


① The temperature unit can be modified in the [Settings-Screen-Units] : °C/°F

② Note: If the sensor communication is interrupted, the display will show : - - °C :



4) Quick Access Menu



This section of the home screen offers easy access to specific commands designed into the system. Those commands are as follows:

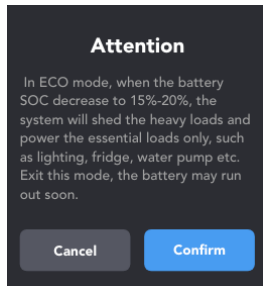
① Night mode : When the system enters night mode, the A7 monitor and all lighting will be turned off. Charging from the inverter will also be reduced to 50%.

② Water pump: This icon turns on the water pump. If pump delay setting is enabled (by default), a 300 second timer is started when the water pump is turned on. After 300 seconds, the system will automatically turn off the water pump. The pump delay setting can be disabled in the system settings menu. [Settings →

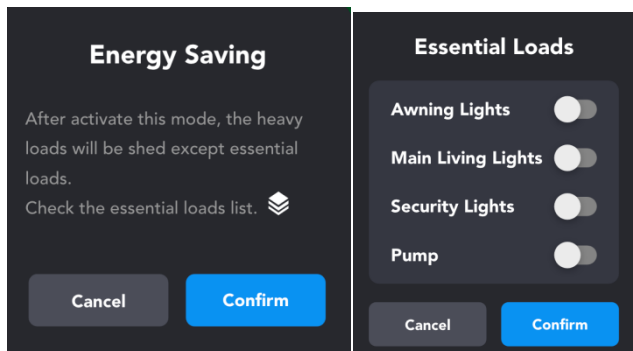
System → Pump delay]


③ Eco Mode: When enabling this icon, a prompt will display explaining the functionality (confirm must be selected to enable). When enabled, the system is monitoring the SOC, and when the low SOC threshold is reached, the system will shut down the inverter. Priority DC loads such as lighting and refrigerator will remain powered.

When this mode is active, the icon will be illuminated. Pressing the illuminated icon will disable this mode.



④ Energy saving mode switch: When enabled, it will turn off the basic lighting (all are turned off by default), but slide outs and awnings will not be turned off. The specific loads that are shed are configurable by the user (ex. Awning lights, Main Living lights, Kitchen lights, Pump).



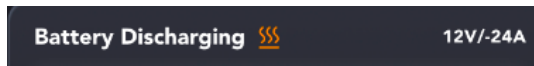
To configure what loads are affected, click  to open a second level pop-up window: By default, all listed loads will be shed (shut down) unless enabled by the slider. Select any loads that should be considered essential to avoid shedding that load. The slider will turn blue when the load is marked as essential.

⑤ All Lights Off: Clicking this icon will turn off all lights (interior and exterior).

5) Battery area



- ① State : Charging/Discharging/Standby/Fault ;
- ② When the battery is in a heated state, it displays :
- ③ When in discharge state, the current is displayed as a negative number, for example: -24A;

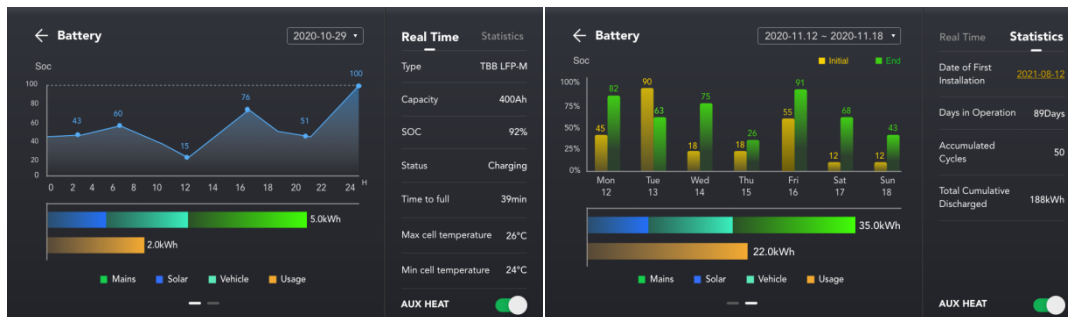


If communication is interrupted, the display will show: -- V

- ④ When charging, the status is displayed as : **Time to full** and a lightning icon will appear.

When Discharging, the status is displayed as : **Time to go** ; The time format is : days:hours:min

- ⑤ SOC Indicator (color)
- ⑥ Click on the SOC bar will open a detailed battery info page.

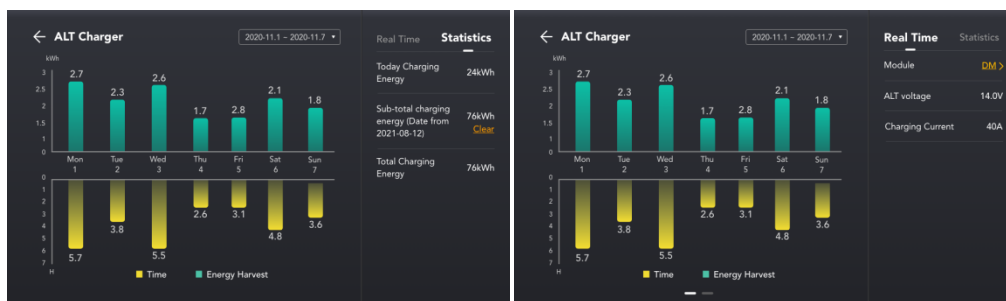


6) Alternator charger area

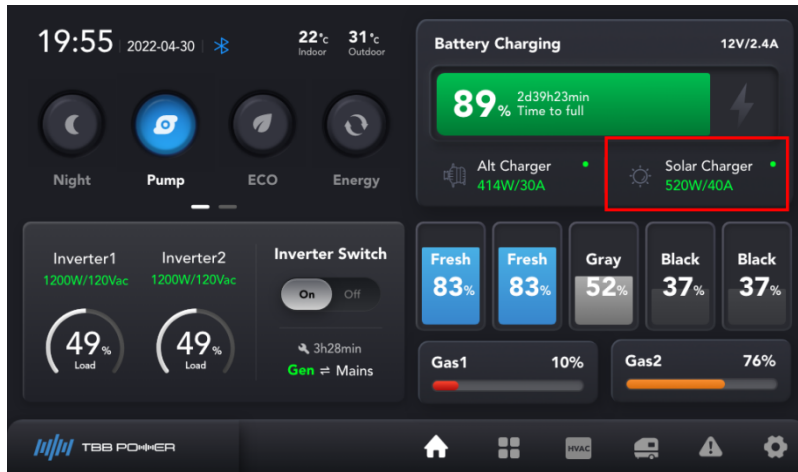


① The green dot is ONLY displayed when the component is actively charging. If communication is interrupted, the display will show : - - W

Select alternator charger icon to open details page.



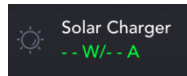
7) Solar charger area



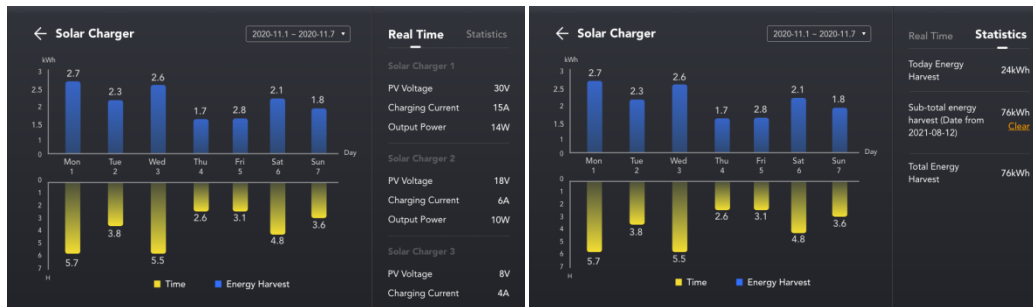
① The system can accommodate up to 4 solar chargers. The stats displayed in the icon on the home page reflect the total of all chargers in the system. Selecting the Solar charger icon will open a details menu where each charger can be monitored individually.

NOTE: The green dot is ONLY displayed when the component is actively charging. If communication is

interrupted, the display will show : - - W



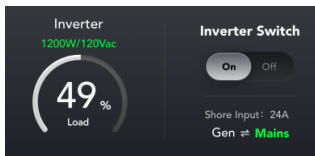
② Select the Solar Charger icon on the homepage to enter the solar charging details page



8) Inverter/Charger area

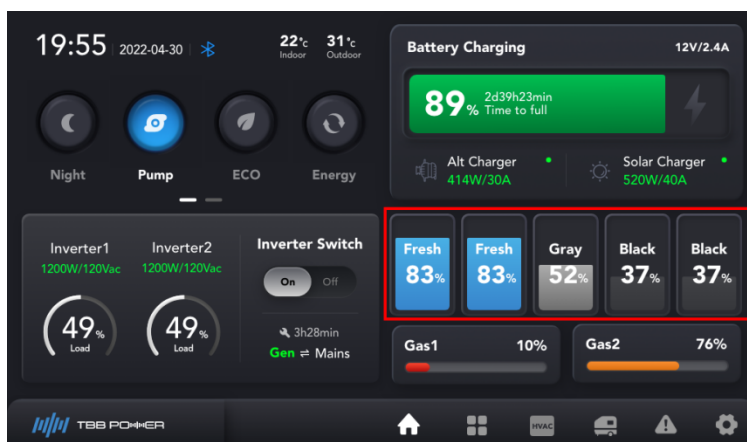


① This box contains inverter status and control. This area is pre-configured according to the manufacturer's system parameters (single or dual inverters). If configured for a single inverter, the display will appear as:



② Selecting the slide switch will toggle the state of the inverter between on and off.

9) Water tank



① The system can support up to 5 water tanks. This area will be pre-configured based on the manufacturer's requirements. When communication is interrupted the display will

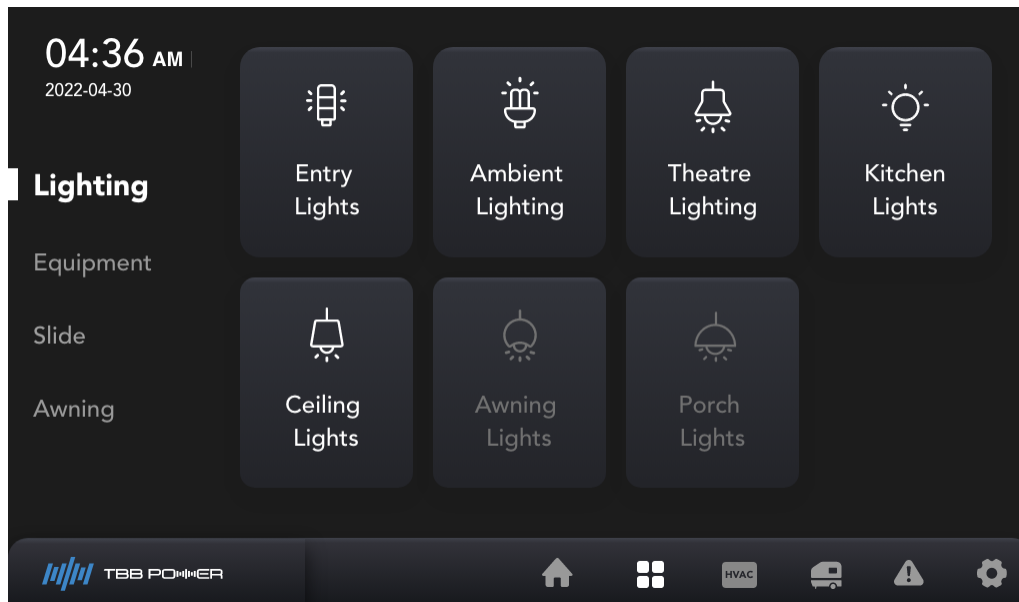
show : - - %

② You can set the name of the water tank in the settings menu: [Settings Page → Renaming → Water Tank].

③ When the freshwater tank is below the alarm value, it is displayed in red; When the gray water and black water tanks are above the alarm value, they are displayed in red; You can set the high/low water level alarm values for the water tank on the [Engineering Settings page → Water Tank → Alarm Thresholds].

Load Page

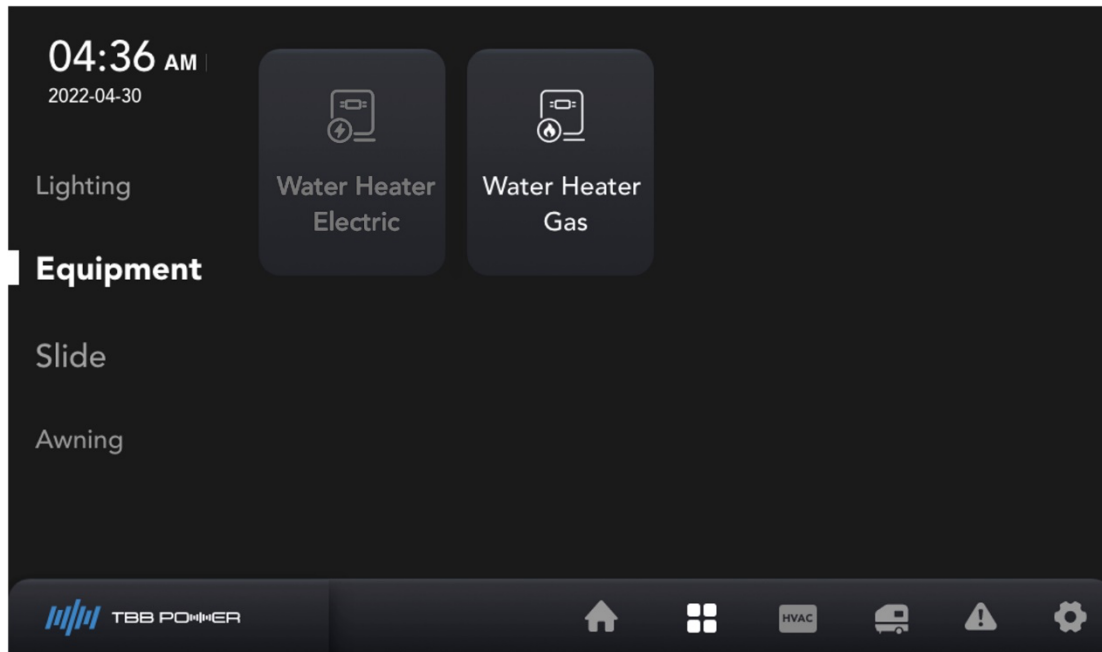
1) Light Control Page



① When a load is turned on, the icon will illuminate white (see entry light icon). When a load is turned off, the icon will appear gray (see Awning Lights icon).

② Users can edit the load name and icon in the [Settings page → Renaming → Lights] section

2) Device Control Page



① When a load is turned on, the icon will illuminate white (see Water Heater Gas icon). When a load is turned off, the icon will appear gray (see Water Heater Electric icon).

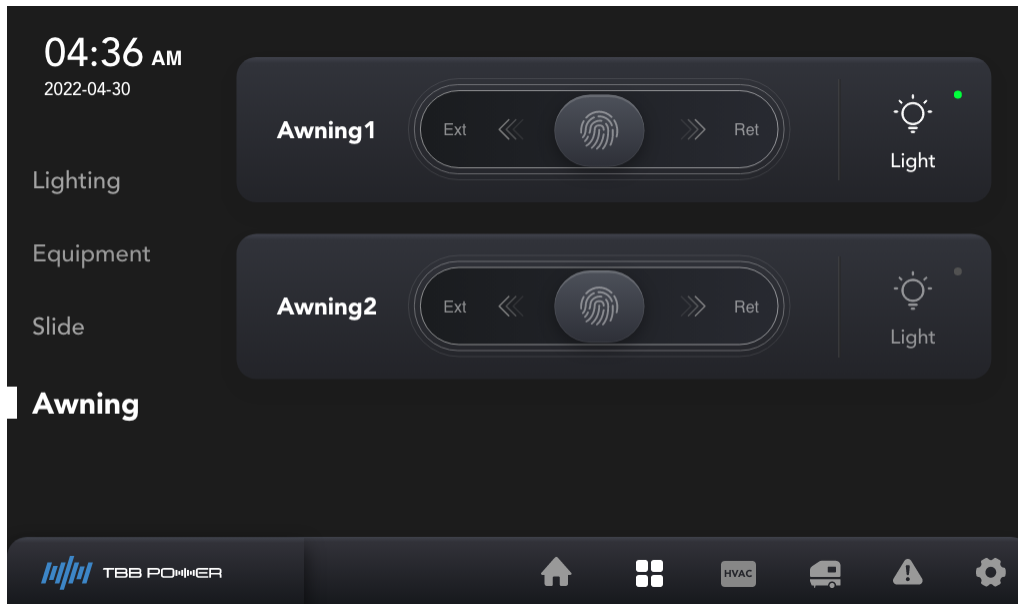
② The system has an interlock preventing both gas and electric modes to be activated for the water heater.

③ Users can edit the load name and icon in the [Settings page → Renaming → Devices]

④ If tank heaters are integrated into the REGO system, an icon to activate the heaters will be present in this page.

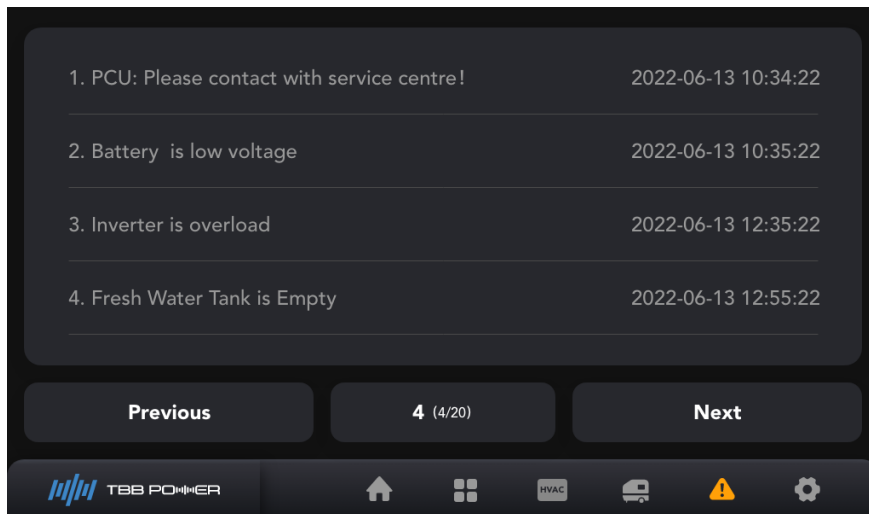
3) Slide and Awning equipment





- ① Control the extension and retraction of the device by sliding up and down or left and right.
- ② Users can edit the name of the device in [Settings Page → Renaming]
- ③ The lighting icon in the Awning section corresponds to the Awning light in the Lighting section.

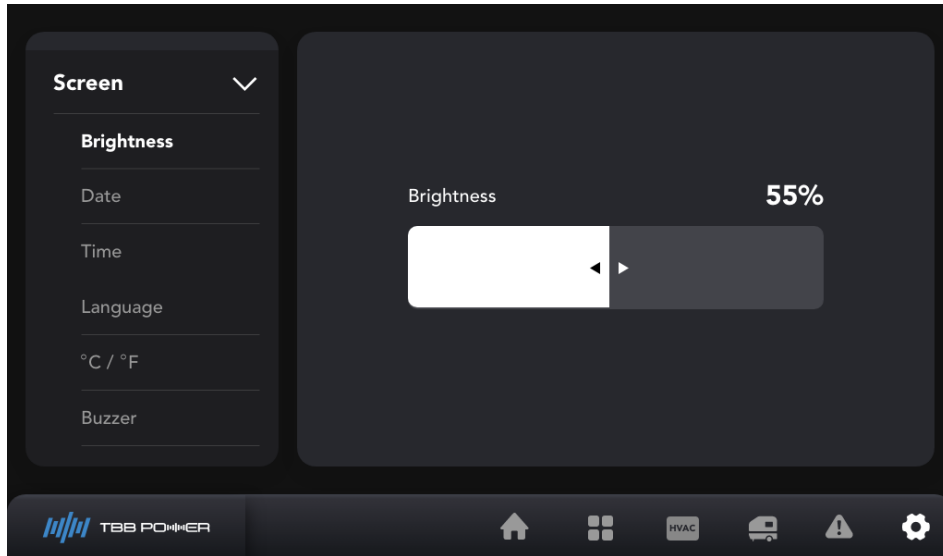
Alarm page



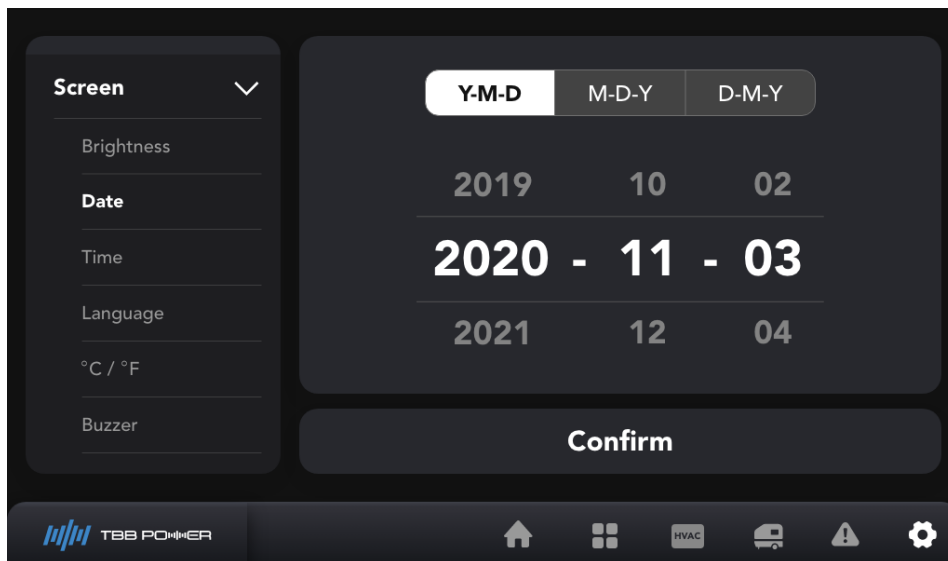
This page displays active alarms and warnings. *Next* and *Previous* can be used to scroll through pages if multiple alarms are active.

Settings page

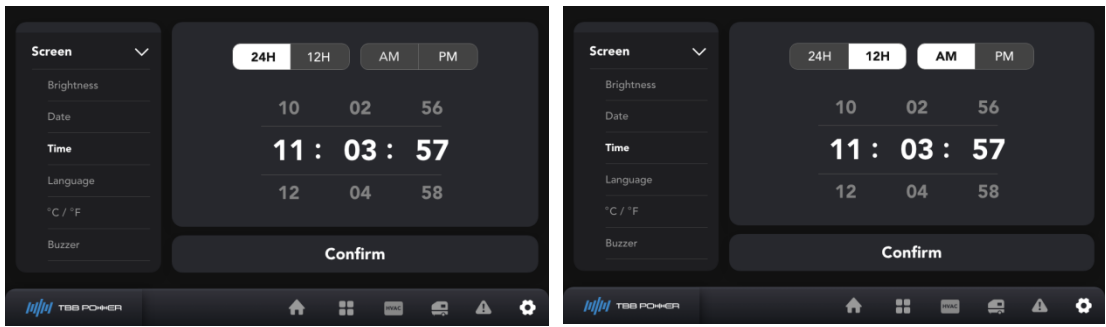
1) Screen



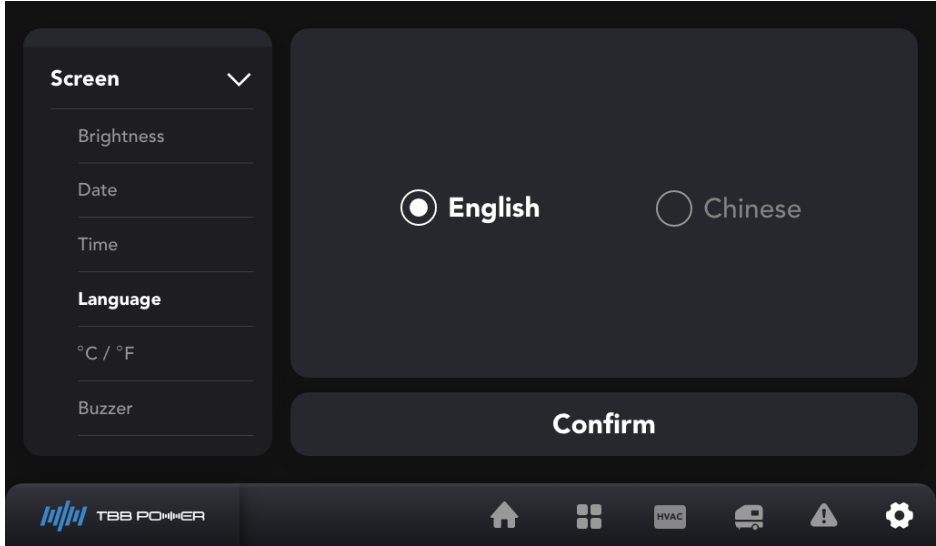
Set A7 screen brightness by swiping on the screen.



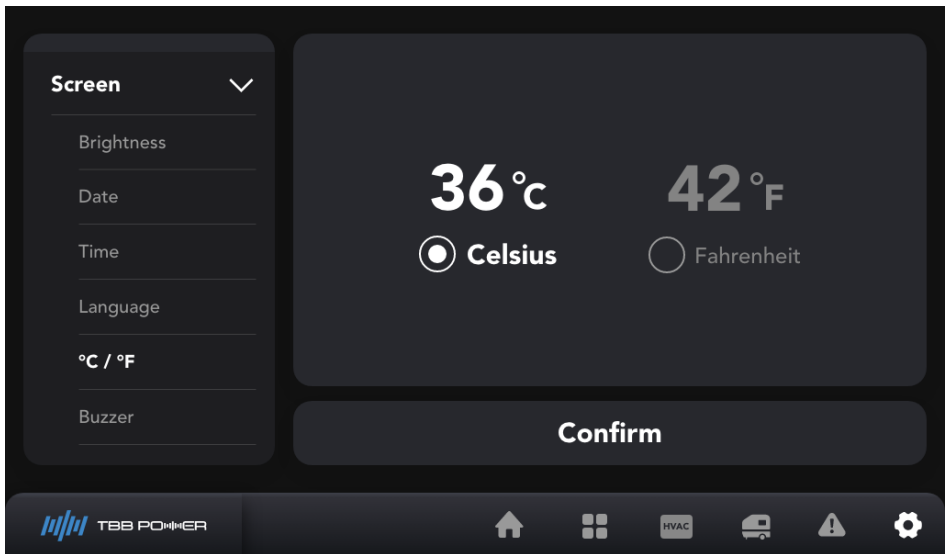
Date format can be selected at the top. Once the correct date is set, select confirm.



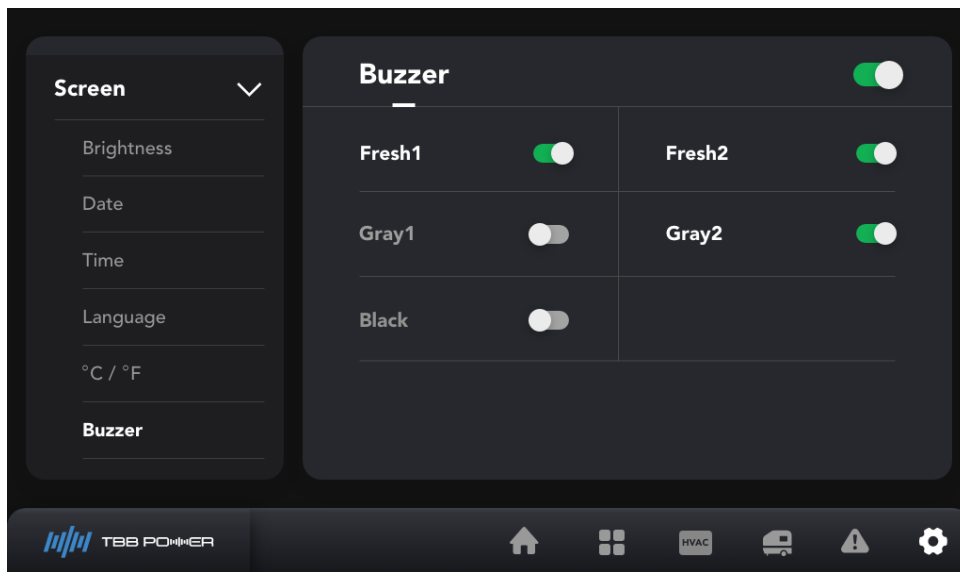
Time format can be selected at the top. When the proper time is set, select confirm.



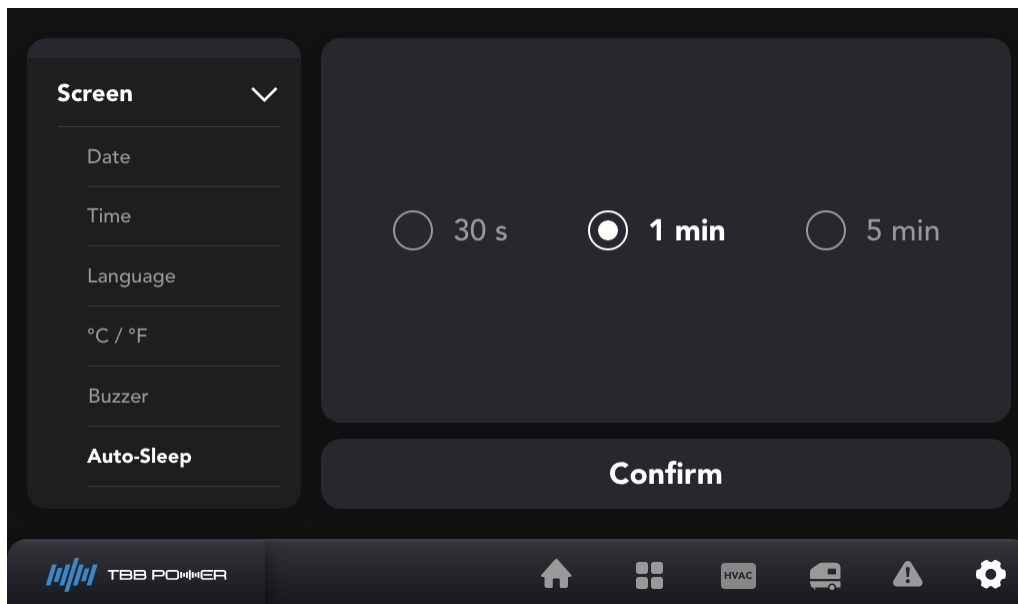
Select the corresponding language, click OK, and set the display language for all pages



Select the corresponding temperature unit, click Confirm. Changing this setting will be reflected on all pages, and the value will be automatically converted.

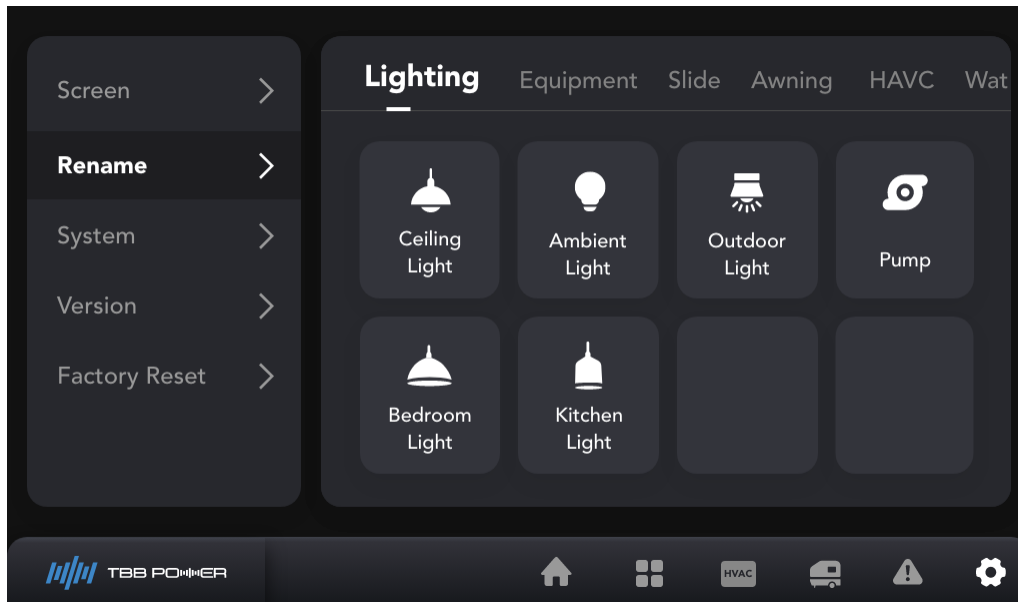


The audible alerts for the water tanks can be enabled or disabled. The slider will turn green when enabled and gray when disabled. The slider at the top is a MAIN enable/disable switch. When that is disabled, none of the audible alerts for the water tanks will be activated.



Select the time interval before the screen will enter sleep mode.

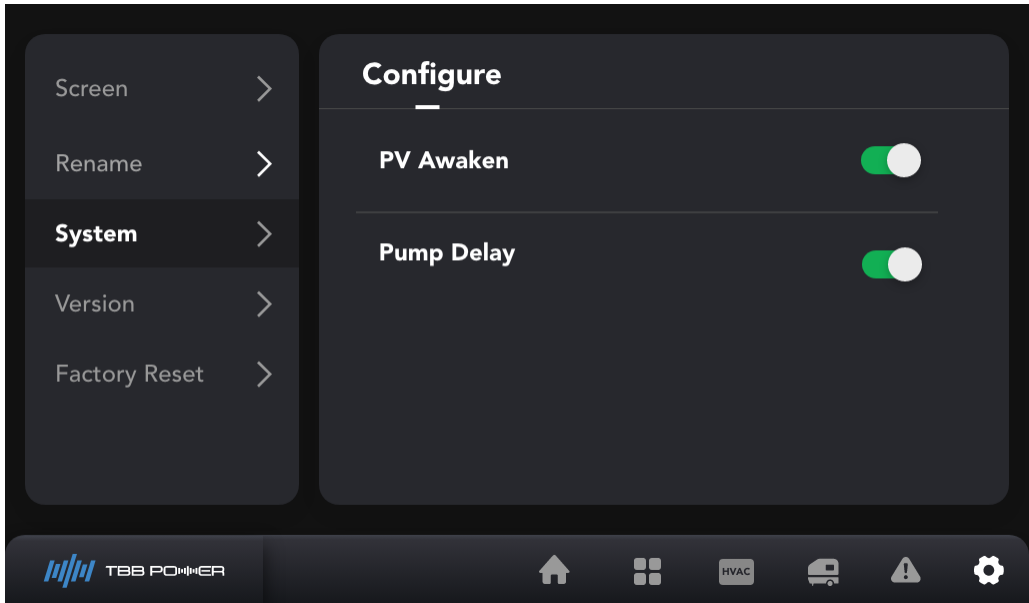
2) Renaming



Renaming Rules :

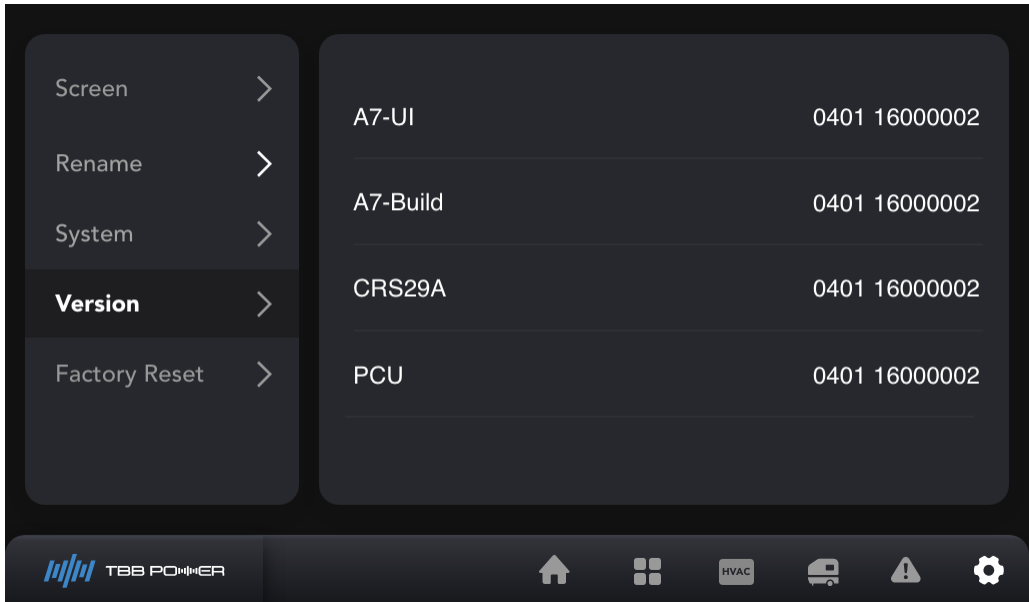
- ① Lighting and Equipment input restrictions: All loads MUST have a name and can NOT exceed 20 characters.
- ② Slide and Awning input restrictions: All slide outs and awnings MUST have a name and can NOT exceed 10 characters.
- ③ The input limit for the HAVC column is: All HVAC zones MUST have a name and can NOT exceed 10 characters.
- ④ The input limit for the Water Tank column is: All water tanks MUST have a name and 5 characters.

3) System configuration



PV wake-up switch, water pump delay enables switch.

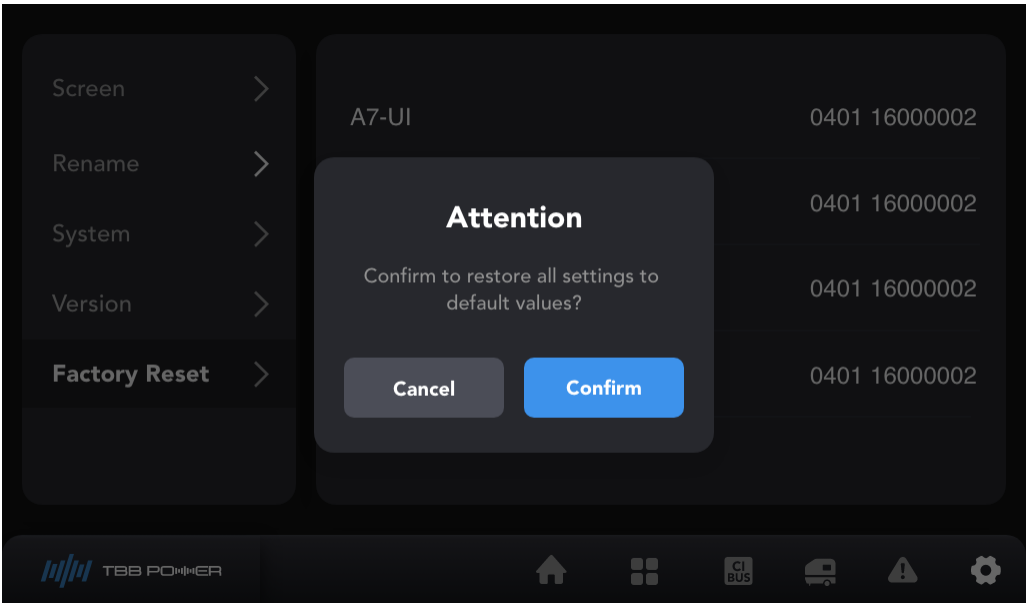
4) Firmware Version Page



Firmware version sorting display:

This section shows the firmware version for all components tied to the system.

5) Restore factory settings



This will reset all settings (including names) to factory default.