

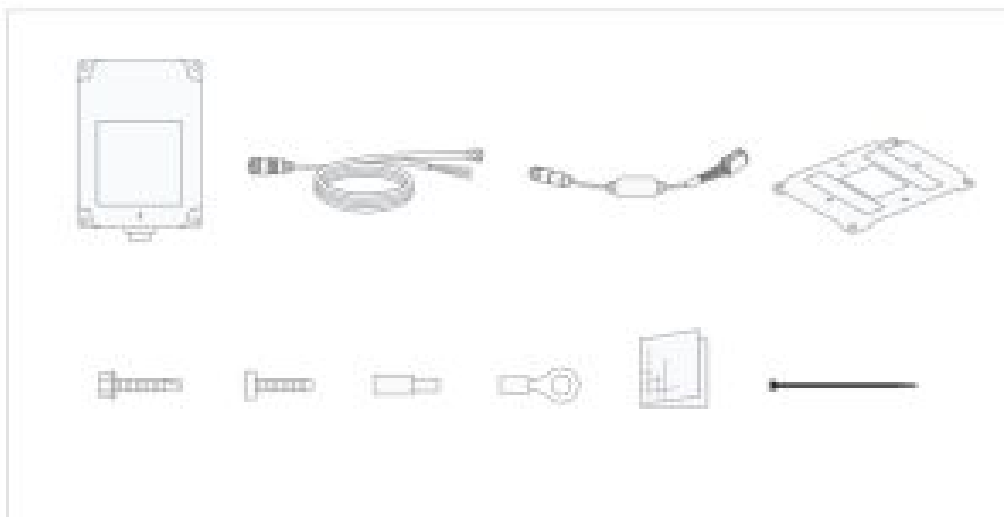


samsara AG24 Asset IoT Gateway Installation Guide

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AG24 AG24 THERMO KING REEFER INSTALL GUIDE

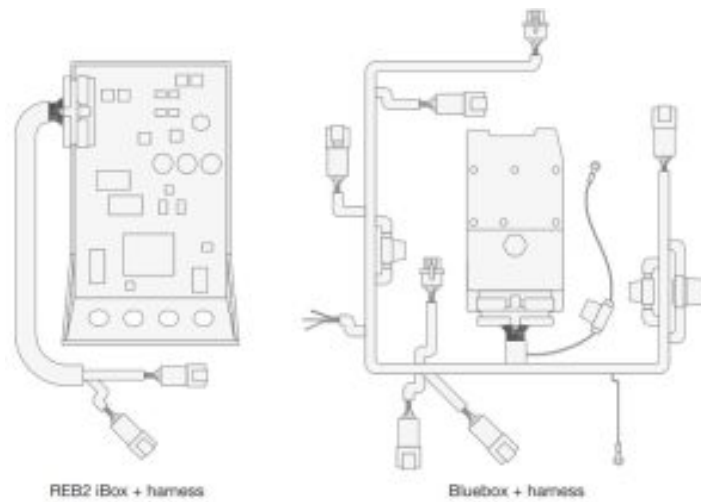


samsara.com/support

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Thermo King Hardware (not included)



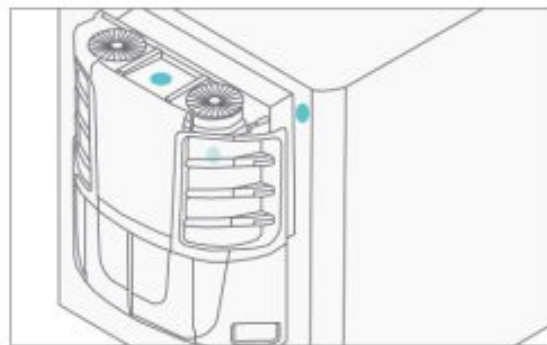
INSTALL TIPS

In order to complete this installation, please ensure you have both the Samsara hardware and Thermo King hardware parts needed.

Depending on your reefer model and year, you will need either an REB iBox or a BlueBox with the respective 3rd party compatible harnesses from Thermo King. Models 2018 and newer will have a BlueBox pre-installed in the reefer. Please confirm you have the 3rd party compatible harness. For models prior to 2018, you may have an REB iBox with a harness that can be used. If not, please consult with your Thermo King dealer to procure the necessary Thermo King hardware. For any questions regarding which Thermo King parts are needed please refer to the Model Compatibility Guide or your local Thermo King dealer.

Reminder for models with a BlueBox, you will need to contact Thermo King support at ackingsupport@thermoking.com, or work with your local Thermo King dealer with your BlueBox serial number and IMEI to request that your BlueBox be remotely reconfigured to iBox mode. This will enable Samsara to communicate with your reefer unit.

1

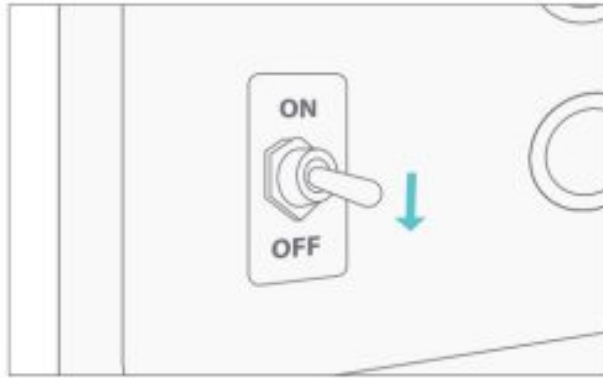


Determine the desired location of AG24: place as high on the trailer as possible in order to maximize GPS signal, but avoid protruding unit above the trailer roofline to avoid potential damage.

The included cable will route through or around outside of reefer towards the interior of the control box via a rear grommet.

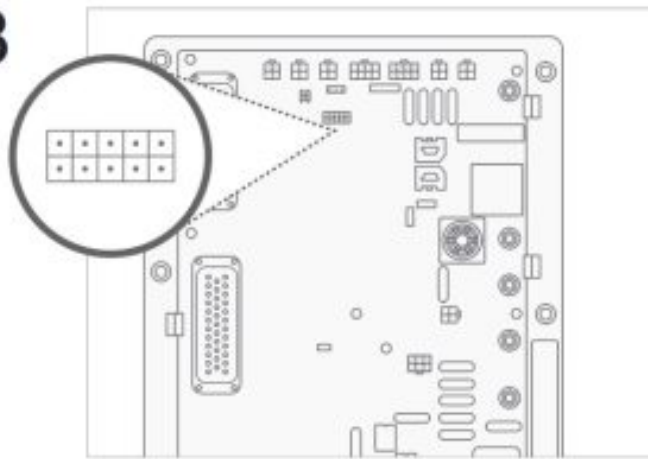
Some options are: on top of reefer (avoiding airflow of the cooling fan), or on the outside of the trailer.

2



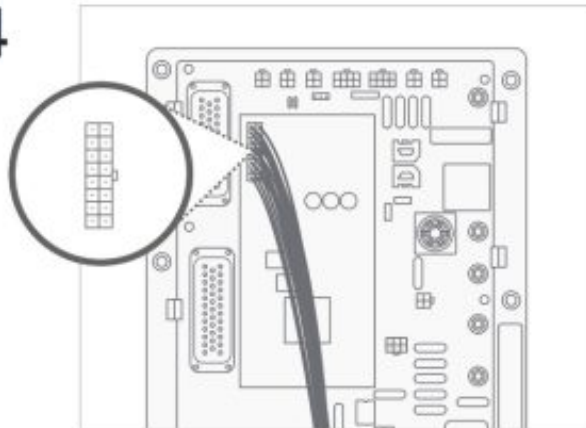
Turn all power OFF. If your reefer has a Blue Box, please skip stepping 5.

3



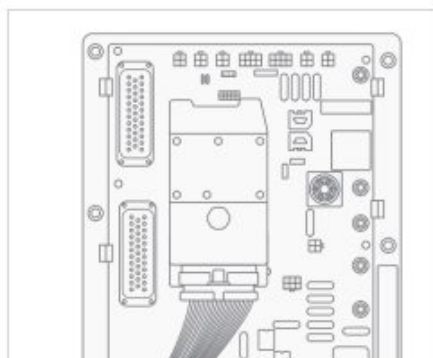
For models prior to 2017 without a BlueBox, connect the REB iBox to the J98 10-pin connector on the control board.

4



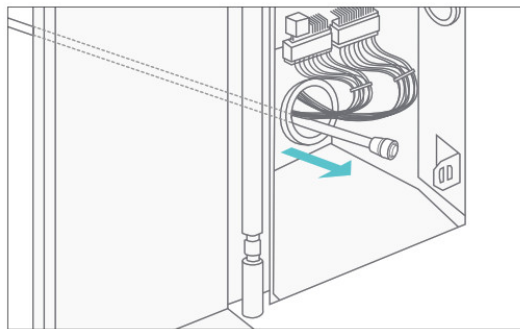
Connect iBox harness to the iBox.

5



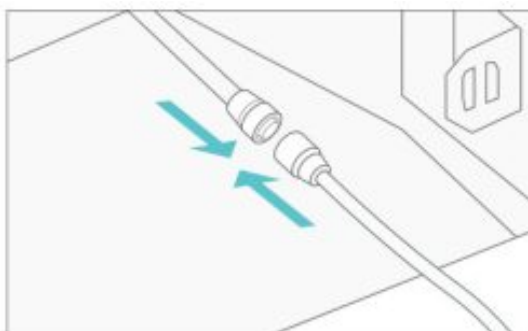
For models 2018 and newer, the BlueBox should already be installed.

6



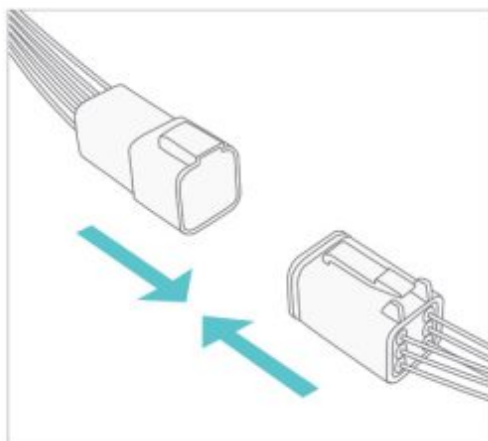
Open Thermo King cabinet and electronics control box (may require unbolting). Route reefer end of Y-cable into control box via rear grommet.

7



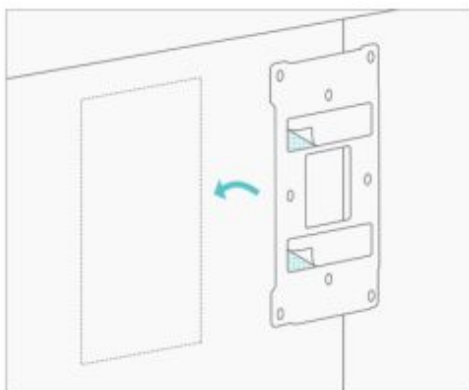
Attach Thermo King pigtail to Y-cable.

8



Connect Samsara cable to iBox/BlueBox harness via the 6 pins Deutsch connector.

9

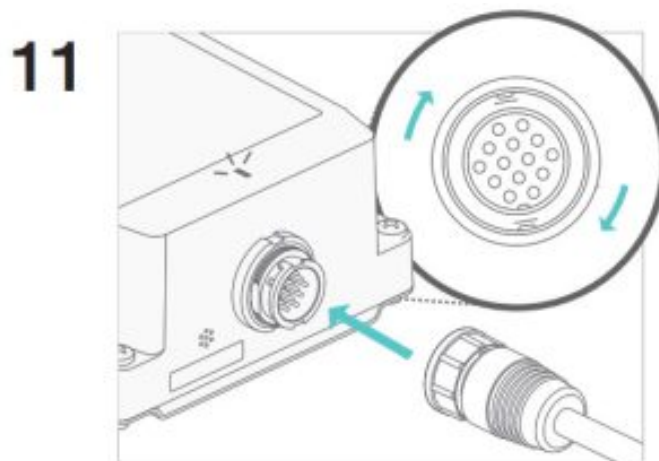


Test routing cable to the mounting location of AG24 to ensure sufficient length and/or how to adjust slack before finalizing the mounting location.

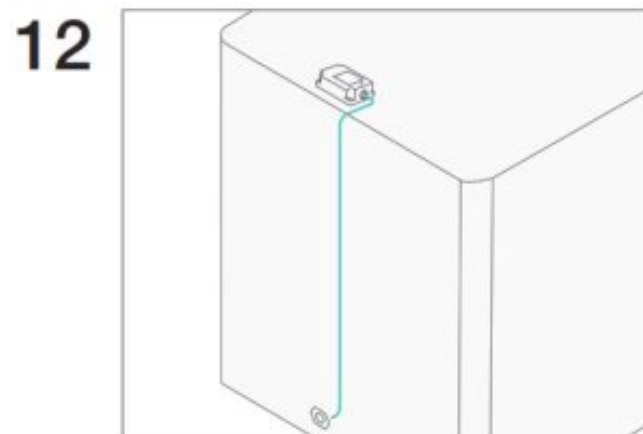
Select a mounting location, clean thoroughly with a cleaning wipe. Attach mounting plate with adhesive and 4 self-tapping screws (bag 1).



Mount AG onto mounting plate with 4 flat-end screws (bag 2).

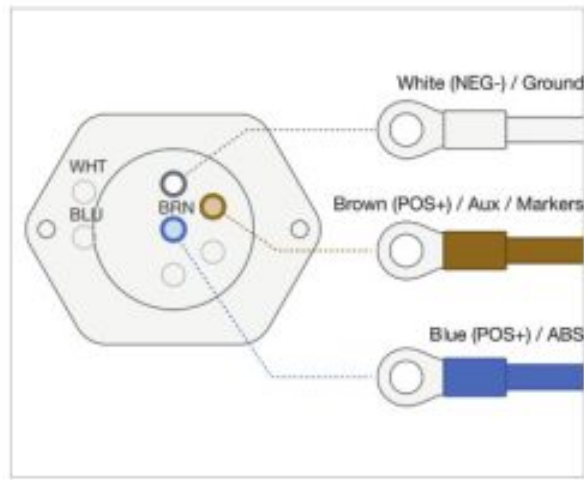


Plug cable into AG, twist to lock. The LED light will blink orange while connecting and turn to a solid green light once connected. If the light turns solid orange, ensure you're in an area with a good cellular signal. For further troubleshooting tips, refer to your asset gateway troubleshooting guide.



Run the cable to 7-way. Fasten to the trailer with zip ties.

13

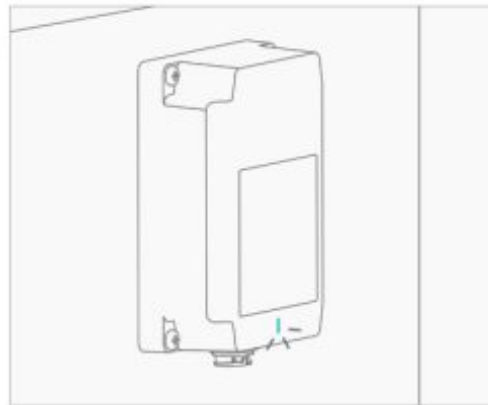


Connect the cable to 7-way. AG light turns on for 30 seconds if correct.

While the vehicle is on, AG24 will appear as 'Charging'. If the AG24 does not charge while the vehicle is on, please validate that power is correctly flowing to the ABS line.

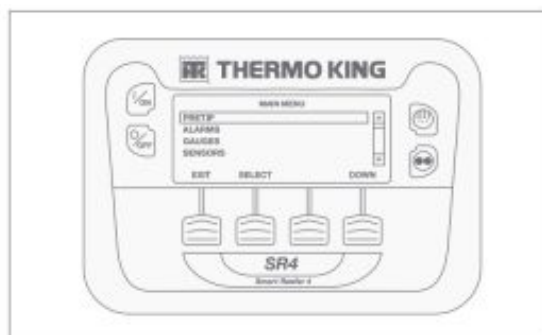
AG will operate in real-time when power is supplied to the 7-way. When power is not available via the 7-way, AG will run off of the internal battery in power-save mode (periodic check-ins, not real-time).

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Activate device.

15



Please note, once any additional Thermo King telematics hardware has been installed, the reefer HMI will need to be configured for 3rd party access and remote control. Please work with your local Thermo King dealer to update the correct 3rd party integration configurations in the guarded access menu.

Reminder for models with a BlueBox, you will need to contact Thermo King support at trackingsupport@thermoking.com, or work with your local Thermo King dealer with your BlueBox serial number and IMEI to request that your BlueBox be remotely reconfigured to iBox mode. This will enable Samsara to communicate with your reefer unit.

Documents / Resources

