

DO NOT PRINT THIS PAGE

Printing Notes:

Material: 80 GSM Bond Paper or 50# Bond Paper White

Ink: Black

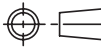
Resolution: 150 DPI or above

Printing method: Offset Printing

Binding: Perfect Bond

Folded size: 210 x 148 mm (H x W)

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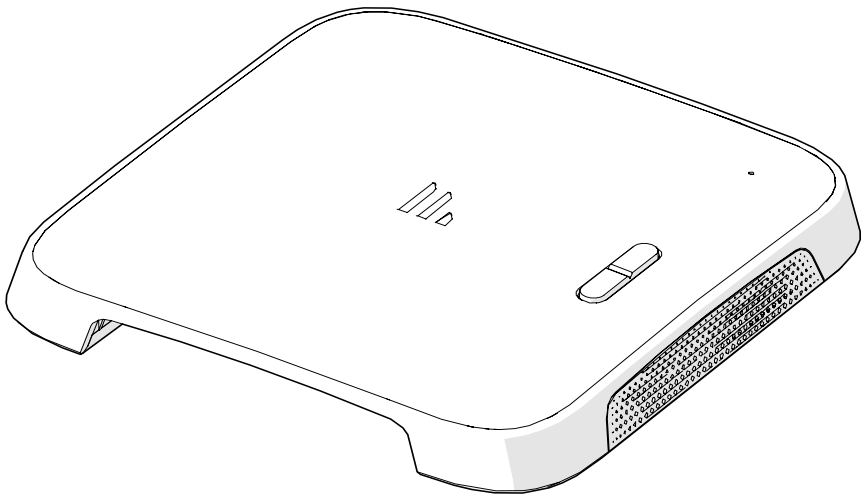
METRIC [INCH]							
METRIC [INCH]							
CRITICAL DIMENSION CHECKING IS COMPULSORY							
VOLUME	cm ³	1.0	26-Jul-18	NEW		Streng Shi	XX
MASS	grams	REV.	DATE	MODIFICATIONS		NAME	ECN NO.
DENSITY	g/cm ³	MATERIAL: SEE NOTES			Furrion Ltd.		
GENERAL TOLERANCES EXCEPT AS NOTED 0 TO 6mm = ±0.1 >6 TO 30mm = ±0.2 >30 TO 80mm = ±0.3 >80 TO 180mm = ±0.4 >180mm = ±0.5 ANGULAR = ± 3°		FINISH SPEC: SEE NOTES			COMPOSITE-NO	SHEET 1 OF 1	
		SCALE: 1:1	DATE: 26-Jul-18	DRAWN BY: Streng Shi	APPROVED BY: Karl Fung		REVISION: 1.0
		NAME: IM for Furrion Access - LTE WiFi Router					PART NO. IM-FAV00034

FURRION

Furrion Access - LTE WiFi Router

Instruction Manual

Model: FAN17B83



Welcome

Thank you for purchasing this Furrion® Access - LTE WiFi Router. Before operating your new product, please read these instructions carefully. This instruction manual contains information for safe use, installation and maintenance of the product.

Please keep this instruction manual in a safe place for future reference. This will ensure safe use and reduce the risk of injury. Be sure to pass on this manual to new owners of this product.

The manufacturer does not accept responsibility for any damages due to not observing these instructions.

If you have any further questions regarding our products, please contact us at **support@furrion.com**

Contents

Welcome	2
Contents	3
About your Product	4
Product Features	4
FCC Statements	4
Product Overview	5
Front View	5
Bottom View	5
LED Indication	6
Installation	7
What's in the Box	7
Slide-in the Furrion Access - LTE WiFi Router	7
Device Preparation	8
Furrion Network Service Activation	8
Connecting to the Device	8
Power on your Device	9
Login	9
System Icon Definition	9
Quick Setup your Device	9
Advance Setting	11
Maintenance	12
Power off your Device	12
Reset your Device	12
Specifications	13
Troubleshooting	13
Warranty	14

About your Product

Furrion Access supports LTE Band 2/4/13. Popular operating systems such as Windows, Linux and Mac, and smart devices like IOS and Android are compatible with this product.

This device is ready for the Furrion network. Once you have installed the device, turn on the power and after few minutes the Furrion access should attach itself to the LTE network as default. It is as simple as that. Please read this manual when using Furrion Access for the first time.

Product Features

- Slide-in Design - Easy Installation
- Furrion Network Ready
- Online Top-up through Furrion APP, Web and call center
- Web/APP for configuration
- Auto detect web login/security check
- WPS supported
- Emergency and roadside assistance support

FCC Statements

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

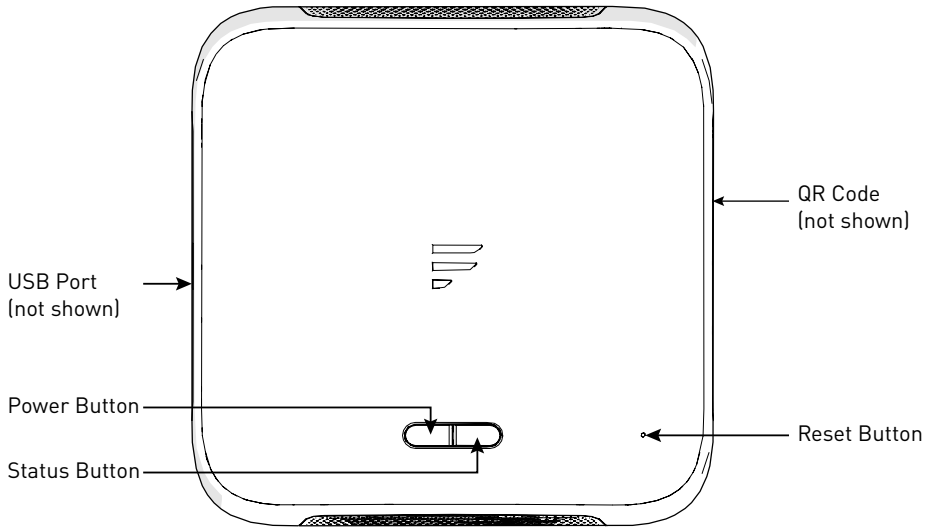
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

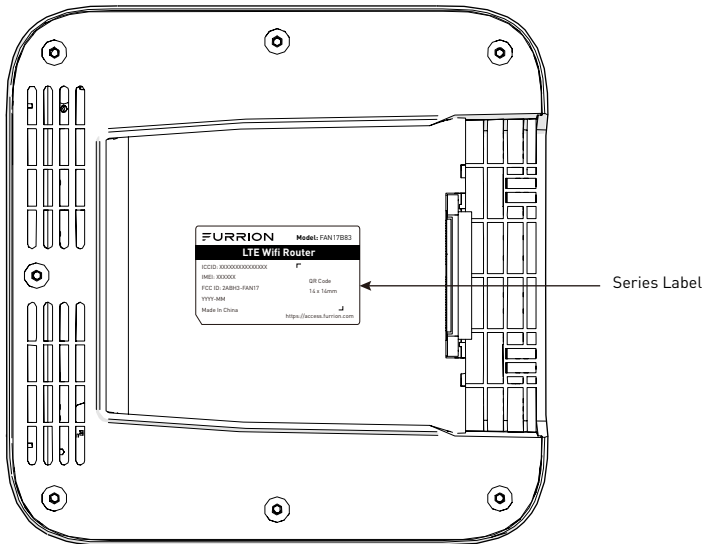
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Product Overview

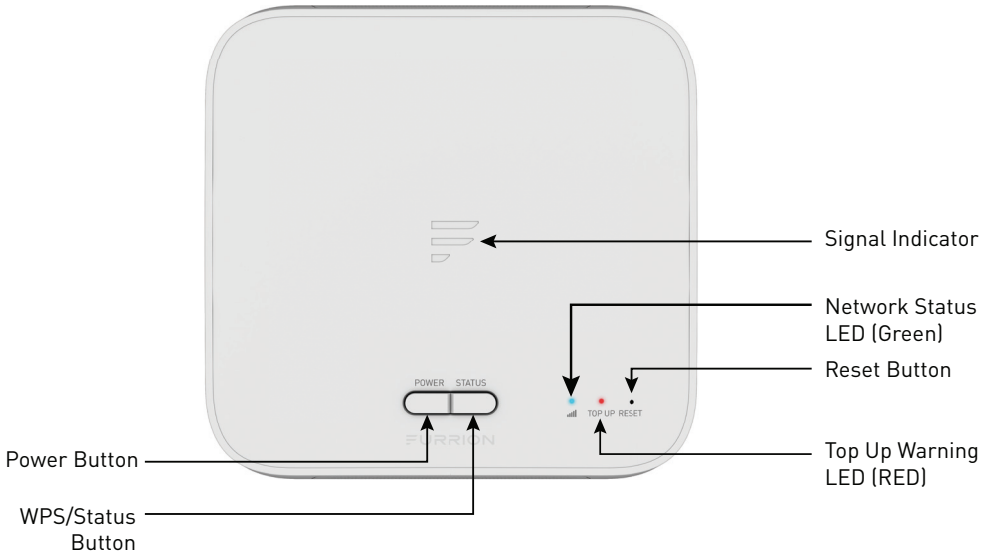
Front View



Bottom View



LED Indication



Internet Source	Condition	Indication
LTE	Account at NO BALANCE/not activated	<ul style="list-style-type: none"> • Signal Bar normal, GREEN LED normal. • RED LED always on, until Account TOP-UP
	Network ready	<ul style="list-style-type: none"> • Signal Bar normal, refer to Network Signal Strength • GREEN LED ON
	NO LTE networks	<ul style="list-style-type: none"> • Signal Bar all OFF • GREEN LED blink at 1Hz
External WiFi	WiFi Network connected and Internet ready	<ul style="list-style-type: none"> • Signal bar all ON • GREEN LED off • RED LED off (even when at NO BALANCE)
	No valid WiFi connected or Internet not ready	<ul style="list-style-type: none"> • Signal bar all ON and blink at 1Hz • GREEN LED off • RED LED off (even when at NO BALANCE)

Installation

What's in the Box

Make sure you have the following items included in the packaging. If any items are damaged or missing, contact your dealer.

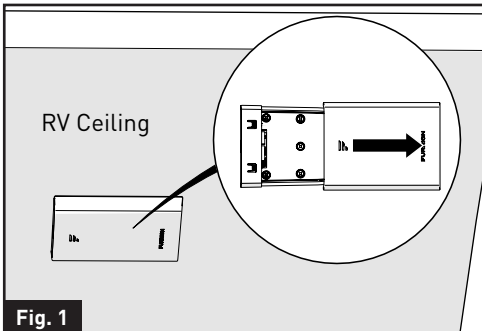
- 4G LTE WiFi Router x 1
- Device Identity Sticker x 1
- Warranty Card x 1
- Instruction Manual x 1

Slide-in the Furrion Access - LTE WiFi Router

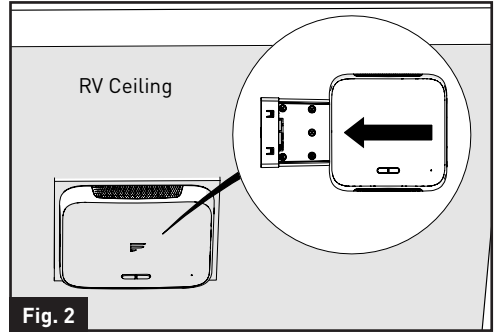
This Furrion Access - LTE WiFi Router is designed for using with Furrion rooftop antenna only. Refer to the separate Furrion outdoor antenna instruction manual about how to install it onto the RV rooftop.

NOTE: A Furrion Rooftop Antenna with mounting bracket (sold separately, part#FAN73B7C) should already have been installed on your RV rooftop. If not, contact your RV dealer or visit www.furrion.com to purchase it.

1. Pull to remove the cover attached over the existing Ceiling Mount Bracket. (Fig. 1)



2. Slide the Furrion Access - LTE WiFi Router into the existing Ceiling Mount Bracket. (Fig. 2)



3. Your Furrion Access - LTE WiFi Router is now fully installed onto the RV ceiling.

Device Preparation

This device is ready for the Furrion network, simply slide the device into the ceiling mount bracket. For first time use, you are required to activate the Furrion Network Service online, which allows you to access the best LTE network coverage in North America.

Material Preparation

Before activating your device, make sure you have the warranty card, the device identity sticker or the rating label at the back of the router prepared to obtain the correct ICCID and IMEI number for the device.

Furrion Network Service Activation

There are 3 methods for you to activate the device.

- **Method 1 - Call Furrion Customer Service hotline for support.**
Please have the Warranty Card of the device or the Device Identity Sticker included in the package on hand.
- **Method 2 - Visit www.furrion.com/ access or use your smart device to scan the QR code on the device.**
The online instructions will guide you to complete the activation process.
- **Method 3 - Through the Furrion Access for activation.**
NOTE: You are required to have access to the Internet via an external WiFi network. Otherwise, please use either Method 1 or Method 2.
Follow the "Device Configuration" section for activation information.

Device Configuration

Power on your Device

Turn on the power connected to the ceiling mount bracket. The Furrion Access - LTE WiFi Router will be turned on automatically upon receiving power.

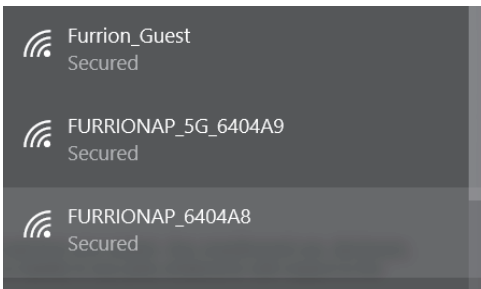
NOTE: You may login to the device software and disable the auto power on feature in the configuration software. The default setting is **Enabled**.

If the device is turned off, press and hold the **POWER** button on top of the device to turn it on.

Connecting to the Device

Your Furrion Access - LTE WiFi Router supports auto-switch between 4G LTE and External WiFi. One of the following two methods can be chosen to link your Furrion Access - LTE WiFi Router with a PC:

WiFi Connection



1. Scan for wireless networks on your mobile or laptop. It may take a few minutes for the network to appear.
2. Select Local WiFi network with **SSID: FURRIONAP_XXXXX**
Password: FAXXXXX

3. Click Join.

The "XXXXX" in the example above corresponds to the last 5 digits of the unique network ID address. The default password can be found on the SSID/WPA sticker.

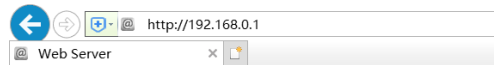
LAN Connection

Depending on your RV dealer, you can connect the Furrion Access through the assigned Ethernet Socket.

Login

The default IP of this 4G LTE WiFi Router is 192.168.0.1 with subnet 255.255.255.0. Make sure the attached PC to this router is in the same subnet and has an IP address in the range between 192.168.0.2~ 192.168.0.254.

1. Launch a web browser and enter 192.168.0.1 in the address bar, the login window will pop up.



2. Enter the default username: **admin** and password: **admin**.

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Username:
Password:





Login

Cancel

3. Click Login.

Device Configuration

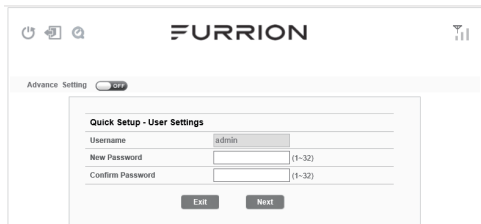
System Icon Definition

	Reboot the system
	Click to logout of the system
	Click to quick setup your system
	Indicates the signal strength

Quick Setup your Device

Change Administration Password

After successful login, the following screen will appear and you will be required to setup a new password for the “admin” account for device management.



Username: Show the current username.

New Password: You can enter 1-32 characters as your new password.

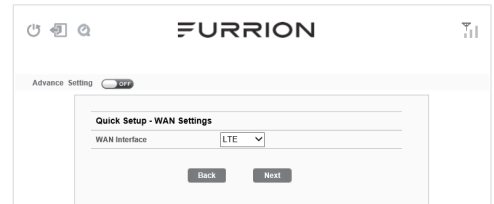
Confirm Password: Enter the new password again.

Click **Next** to go on to the next step.

WAN Connection Setup

Select WiFi, in order to access the Furrion network activation. The following screen will appear after

clicking the **Next** button and will allow you to configure the WiFi settings.



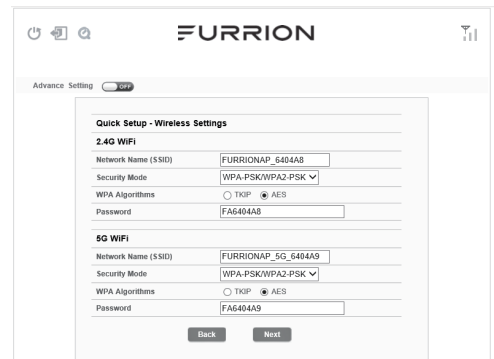
LTE: For internet service through the LTE network.

STA: For internet service through the public WiFi network.

Click **Next** to go on to the next step.

Wireless Connection Setup

The following screen will appear after clicking the **Next** button and will allow you to configure the WiFi settings.



Network Name (SSID): To identify your wireless network, a name called the SSID (Service Set Identifier) is used. You can set it to anything you like and you should make sure that your SSID is unique if there are other wireless networks operating in your area.

Security Mode: Select a mode of Disabled, WPA-PSK, WPA2-PSK or WPA-

Device Configuration

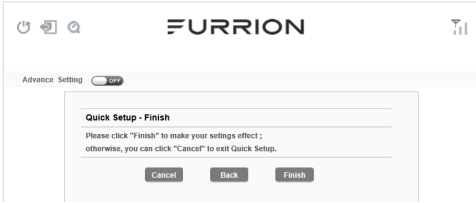
PSK/WPA2-PSK

WPA Algorithms: TKIP, AES

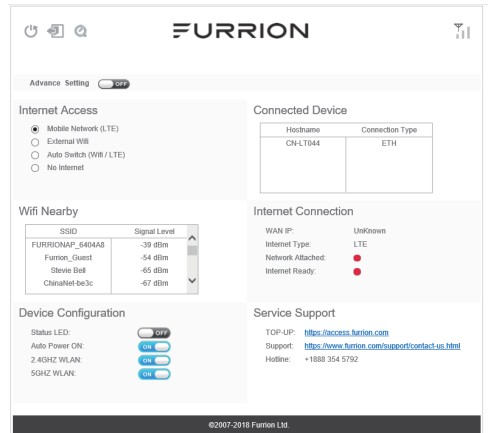
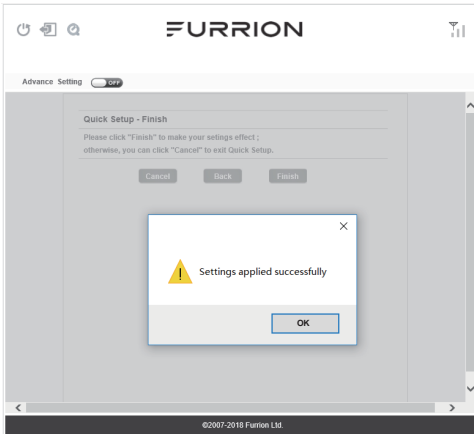
Password: 1~32 characters

Save Confirmation Settings

Click “**Next**” and “**Finish**” to save and complete the quick setup.



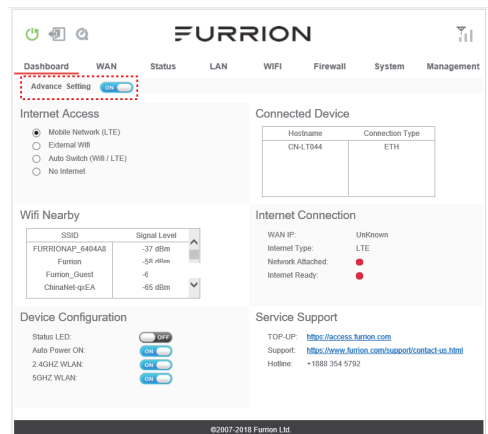
A new window will pop up indicating you have successfully configured the system. Click **OK**.



You should now be able to access to the Internet after the device configuration is complete. Go to **https://access.furriion.com** to follow the Furriion network activation process.

Advance Setting

Click the “**Advance Setting**” button to activate the advance setting page. You are now allowed to configure the settings of WAN, LAN, WiFi, Firewall and etc.



Maintenance

Power off your Device

NOTE: Be careful for the device might be hot after a long time operation. You may choose one of the following two methods to turn off the 4G LTE WiFi Router.

Method 1:

Press and hold the **POWER** button on top of the Furrion Access - LTE WiFi Router for about 4 seconds. The Network Status LED and Pop-up Warning LED will flash for two seconds and then turn off. The device will be turned off.




NOTE: It is recommended to wait 30 seconds before turning on the Furrion Access - LTE WiFi Router after it is powered off.

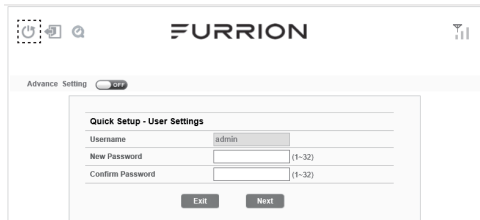
Reset your Device

To restore the Furrion Access - LTE WiFi Router to factory default settings, press and hold the **RESET** button using a sharp object for about 10 seconds then release. The LED will flash 3 times then disappear. A short press of the **RESET** button will restart the device.



Method 2:

After successful login into the software (see "**Login**" section about how to login), click  button to turn off the Furrion Access - LTE WiFi Router.



Specifications

Technical Specifications

OPERATING CONDITIONS

FREQUENCY RANGE (WIFI)	2412MHz to 2462MHz (802.11b/g/n (HT20))
	2422MHz to 2452MHz (802.11n (HT40))
	5180MHz-5240MHz (802.11a/n/ac) 5745MHz-5825MHz (802.11a/n/ac)
SUPPORTED SYSTEMS	Wi-Fi (LAN): 802.11a/b/g/n/ac
	LTE: B2/B4/B13
ANTENNA GAIN	
INTERNAL LAN WI-FI	2dBi
INTERNAL GPS/GLONASS	2dBi
TX POWER WI-FI (WAN / LAN)	2.4G WiFi: 17.78dBm (max.)
	5G WiFi 13.90dBm (max.)
	LTE: 23dBm (max.)
WI-FI ROUTER	>400ft with >10Mbps throughput
POWER RATING	Typical: 12Vdc @ 500mA, Peak 1A
OPERATION TEMPERATURE	-20°C to 55°C / -4°F to 131°F

Troubleshooting

1. None of the LEDs are on when you turn on the router

Make sure you have power to the Furrion Access - LTE WiFi Router.

Check the connection between the adapter and the Furrion Access - LTE WiFi Router. If the error persists, you may have a hardware problem. In this case you should contact technical support.

2. You have forgotten your router login and/or password

Try the default login and password, found in the “**Login**” section in page 9. If this fails, you can restore your router to its factory settings by pressing and holding the **Reset** button on top of your router for 6 seconds or more.

3. Can't get access to Internet

Check the external LTE access status and WiFi connection. Alternatively, your Furrion Network Service account may have insufficient data balance.

Warranty

Furrion warrants for a period of 1 year from date of retail purchase by the original end-use purchaser, that this product, when delivered to you in new condition, in original packaging, from a Furrion authorized reseller and used in normal conditions, is free from any defects in manufacturing, materials, and workmanship. In case of such defect, Furrion shall replace or repair the product at no charge to you. This warranty does not cover: products where the original serial numbers have been removed, altered or cannot readily be determined; damage or loss caused by accident, misuse, abuse, neglect, product modification, failure to follow instructions in instruction manual, commercial or industrial use; damage or loss caused to the decorative surface of product; to any data, software or information; and normal wear and tear. This warranty only protects the original end-user ("you") and is not transferable; any attempt to transfer this warranty shall make it immediately void. This warranty is only valid in the country of purchase.

THIS WARRANTY AND REMEDIES SET FORTH ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, REMEDIES AND CONDITIONS, WHETHER ORAL OR WRITTEN, EXPRESS OR IMPLIED. FURRION SPECIFICALLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IF FURRION CANNOT LAWFULLY DISCLAIM IMPLIED WARRANTIES UNDER THIS LIMITED WARRANTY, ALL SUCH WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

No Furrion reseller, agent, or employee is authorized to make any modification, extension, or addition to this warranty.

Warranty

FURRION IS NOT RESPONSIBLE FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY BREACH OF WARRANTY OR CONDITION, OR UNDER ANY OTHER LEGAL THEORY, INCLUDING BUT NOT LIMITED TO LOST PROFITS, DOWNTIME, GOODWILL, DAMAGE TO OR REPLACEMENT OF ANY EQUIPMENT OR PROPERTY, ANY COSTS OF RECOVERING, REPROGRAMMING, OR REPRODUCING ANY PROGRAM OR DATA STORED IN OR USED WITH FURRION PRODUCTS. FURRION'S TOTAL LIABILITY IS LIMITED TO THE REPAIR OR REPLACEMENT OF THIS PRODUCT PURSUANT TO THE TERMS OF THIS WARRANTY. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES OR EXCLUSIONS OR LIMITATIONS ON THE DURATION OF IMPLIED WARRANTIES OR CONDITIONS, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY BY STATE OR (WHERE APPLICABLE IN THE COUNTRIES WHERE FURRION HAS NON-US/CANADIAN AUTHORIZED DEALERS) COUNTRY. NO ACTION OR CLAIM TO ENFORCE THIS WARRANTY SHALL BE COMMENCED AFTER THE EXPIRATION OF THE WARRANTY PERIOD.

Keep your receipt, delivery slip, or other appropriate payment record to establish the warranty period. Service under this warranty must be obtained by contacting Furrion at **warranty@furrion.com**

Product features or specifications as described or illustrated are subject to change without notice.

FURRION

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