# HALIO™
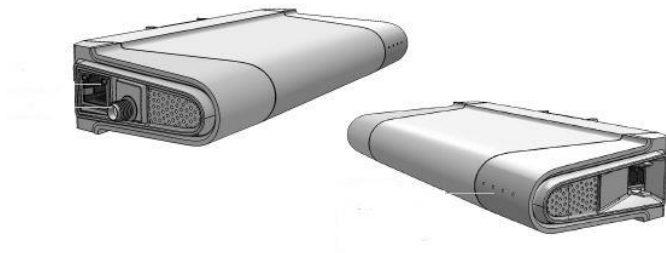
# System Gateway User Guide

## INTRODUCTION

Halio System Gateway is a device that serves as the secure connection between the local Halio smart-tinting system and the Halio Cloud Services. Once installed in the Halio Component Cabinet along with Halio Tint Drivers, it receives and distributes system communication. The System Gateway:

- Monitors and reports on status of the Halio system components
- Serves as the exclusive connection to the Halio Cloud Services using secure TLS/SSL connectivity
- Facilitates software updates of Halio devices to ensure optimum performance

## USING GATEWAY STATUS INDICATORS

**POWER (LED 1)** – Green/Red
- Green Flashing – Gateway is starting up and loading onboard software applications.
- Green Solid - After boot up, indicates system has read the next stage bootloader from memory and is loading.
- Red – indicates

**HALIO CLOUD CONNECTION (LED 2)** – Green/Red
- Green Solid – Gateway is connected to the Halio Cloud.
- Red – Gateway is unable to communicate with Halio Cloud services.

**WIRELESS NETWORK STATUS (LED 3)** – Green/Orange/Red
- Orange flashing - indicates the Gateway is starting the wireless thread network.
- Green Solid – indicates the Gateway wireless network is active.
- Red – indicates a problem with the wireless Thread network.

## USING SYSTEM GATEWAY BUTTONS

**ID Button** - Side of driver near power input
- Pressing this button will be used to start a Thread network join process. Press it when instructed to do so by the Halio Installation app.

**RESTART Button** – Pinhole button on front of driver
- Click– restarts the EC Driver but does not clear any device settings or network connections.

## TROUBLESHOOTING

**General Troubleshooting Tips**
When you do not know where to start, think small.
- Read LEDs or error codes on one device at a time.
- Manually see if you can tint or bleach the windows using the buttons on the left side of the driver.
- Confirm wireless communication between the Gateway and drivers by moving drivers closer or using the external antenna option of the Gateway.

For additional troubleshooting guidance, visit www.kinestral.com/support

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## REGULATORY COMPLIANCE

**FCC**

FCC ID No. 2AJXY-GW100

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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 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.

Note that changes or modifications not expressly approved by Kinestral Technologies could void the user's authority to operate the equipment.

## IC

IC No. 22717-GW100

This Class B digital apparatus complies with Canada ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Operation is subject to the following two conditions: (1) this device may not cause interference and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

**c UL us**

**Underwriters Laboratories, Inc.**

UL Control No. xxxxx

[statement pending]