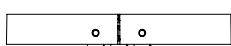
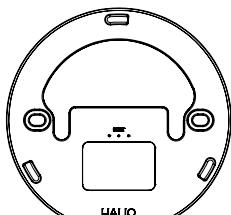
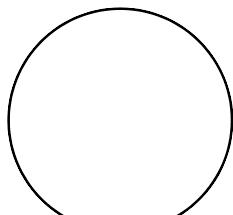


Wireless Range Extender

INSTALLATION & USER GUIDE



INTRODUCTION

Halio Range Extender makes it easy to expand coverage of the Halio wireless mesh network and ensure reliable communication between Halio devices. It provides flexible options for placement supplying power. Once joined to the Halio wireless network, the Range Extender automatically repeats wireless messages between Halio devices.

INSTALLATION WARNINGS

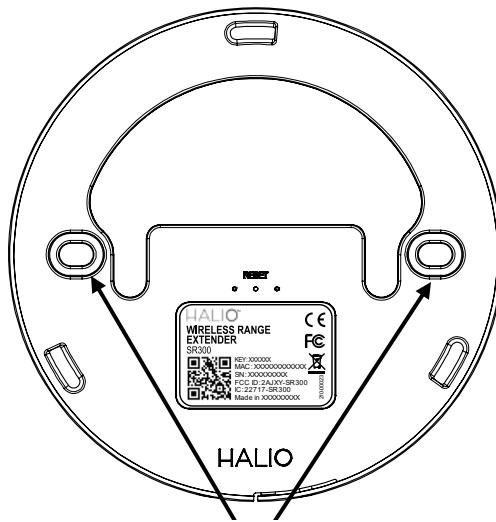
- The Range Extender is not weather proof and should not be located outside or where temperature changes and humidity may allow condensation in the enclosure.
- To be installed and used in accordance with national and local electrical codes and regulations.
- Use only Halio approved power supplies (12 – 48VDC).
- Ensure wiring connections are made only when power is off.
- Installation and maintenance of this unit should be done only by a certified Halio installer.

INSTALL WIRELESS RANGE EXTENDER

To install and configure the Range Extender:

1. Select the best installation location in between the Halio System Gateway and other Halio client devices that need to communicate with the Gateway.
2. Wireless Range Extender is designed for optimal performance when ceiling mounted but can also be installed on a wall.
3. Route the power supply wires through a hole in the ceiling or wall to the back of the Range Extender
4. Rotate the top cover slightly to the left and remove it to access the mounting holes.
5. Insert the positive and negative wires from the DC power supply into the + and – wiring terminals on the back of the Range Extender

6. Use screws and anchors to secure Range Extender to the ceiling or wall.



Mounting Screw Holes

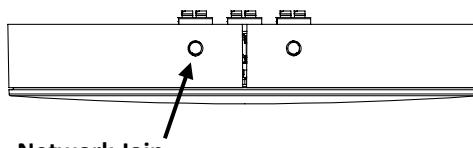
7. Re-attach cover plate and rotate to the right until secure.
8. Plug in the power supply to power on the Range Extender. LED's will blink to confirm.

COMMISSION WIRELESS RANGE EXTENDER

Wireless Range Extender must be joined to the Halio wireless mesh network to communicate with other Halio devices.

To commission the Range Extender:

1. Set the Halio System Gateway into join mode by pressing the network button on the right side of the enclosure.
2. Press the network button on the left side of the Wireless Range Extender to start the joining process
3. The Network LED will begin to blink orange while searching for a Halio wireless network to join
4. Once a network is found, the LED will change to green to indicate it has successfully joined. It will blink red briefly to indicate if joining the network failed.



Network Join
Button & LED

USING WIRELESS RANGE EXTENDER

Once joined to the Halio wireless mesh network, the Wireless Range Extender will operate without user interaction, repeating and intelligently routing messages sent between Halio client devices and the Halio System Gateway.



TROUBLESHOOTING

If Halio Wireless Range Extender becomes unresponsive with no LED activity, it has likely lost power.

Check Power

To check power:

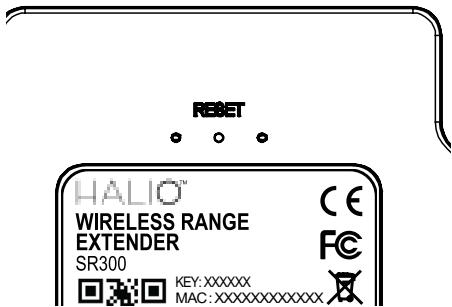
1. Check the power supply has not become unplugged or is not somehow switched off.
2. Check the power wiring has not somehow become disconnected at the wiring terminals.
3. Use a multi-meter to confirm the voltage being supplied to the Wireless Range Extender (12 – 48VDC).

If LEDs blink but commands appear unresponsive, it may be useful to reboot the device using the reset button.

Device Reboot

To reboot the Tint Selector:

1. Remove the cover plate to access the reset button



2. Click the Reset button using a pen or paperclip.
3. LEDs will blink as the device restarts and rejoins the wireless mesh network.

REGULATORY COMPLIANCE



FCC ID No. 2AJXY-SR300

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.

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

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



IC No. 22717-SR300

This device complies with Industry Canada's license-exempt RSSs. 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.

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

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

L'émetteur ne doit pas être co-localisé ou utilisé en conjonction avec une autre antenne ou un autre émetteur. Cet équipement est conforme aux limites d'exposition aux radiations définies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé à une distance minimale de 20 cm entre le radiateur et toute partie de votre corps.