

eLink Area Receiver (Master and Satellite)

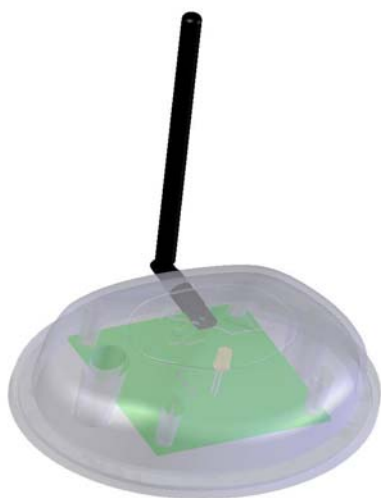
INSTALLATION GUIDE

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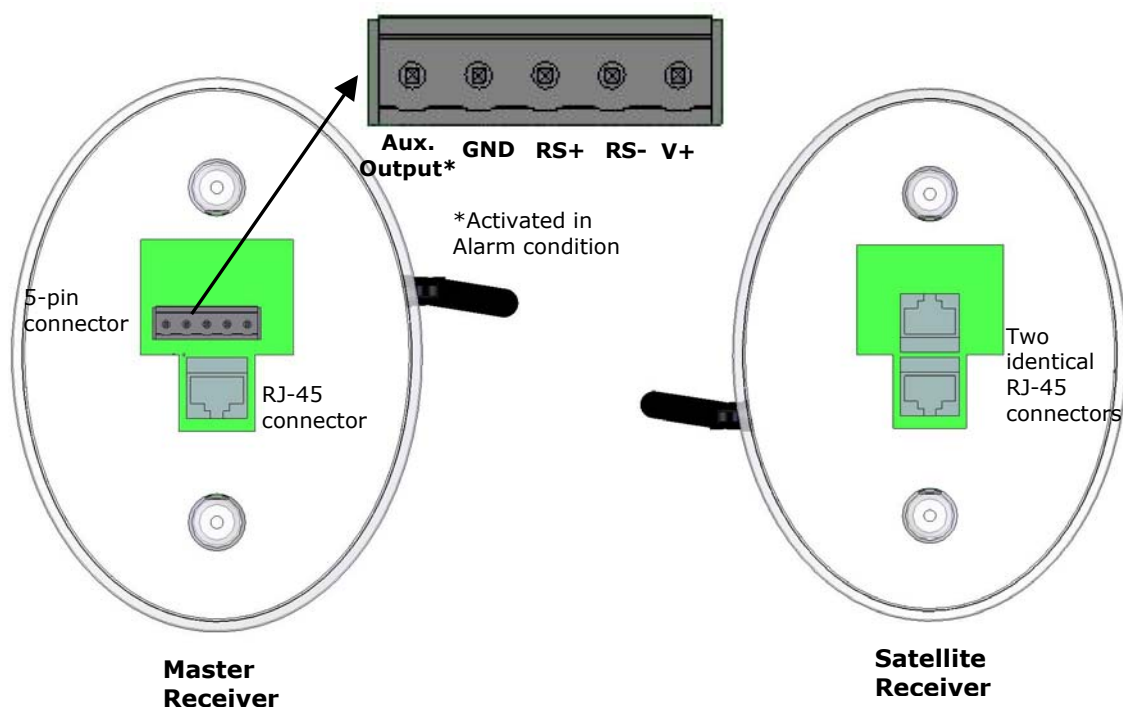
The eLink Area Receiver extends the eLink system's capability to monitor and receive Tag messages such as tamper alarm that may occur in areas not within the detection zone of a Controller.

The eLink Area Receiver bundle contains:

- 1 eLink Area Receiver Master
- 4 eLink Area Receiver Satellites



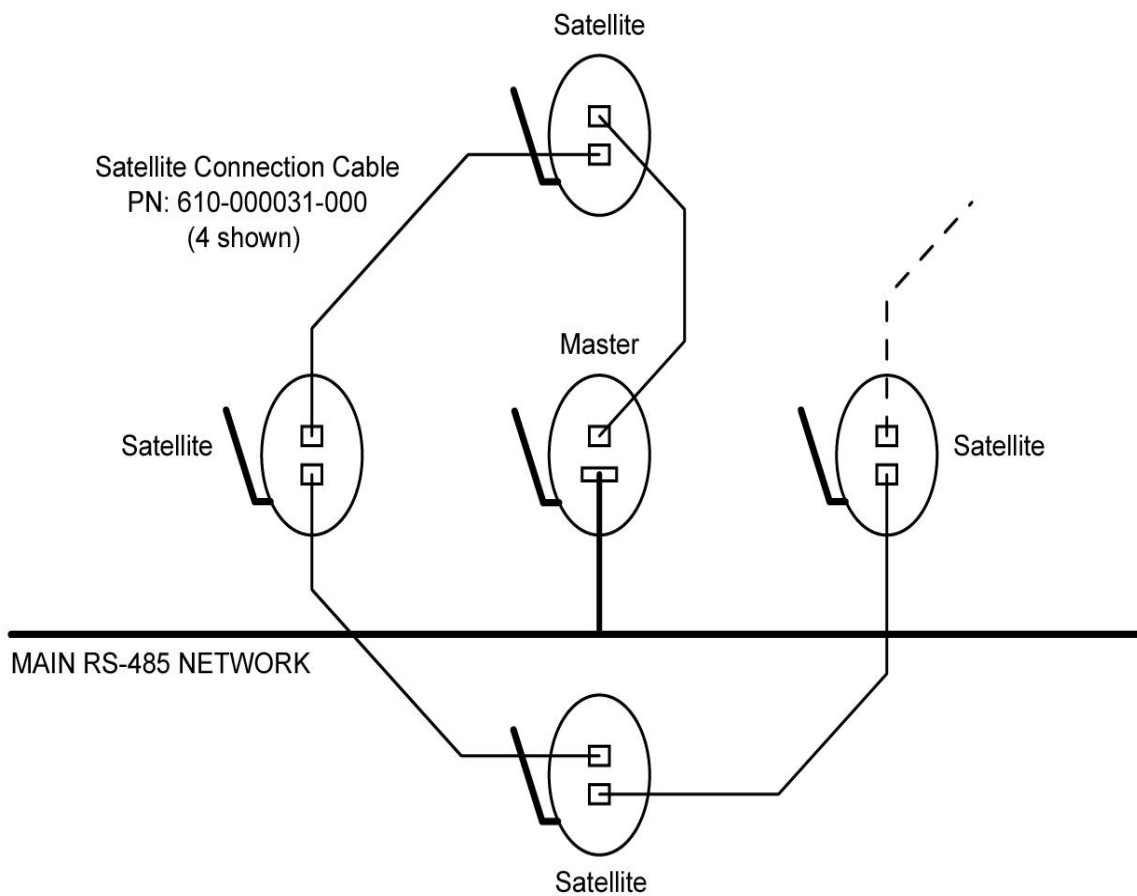
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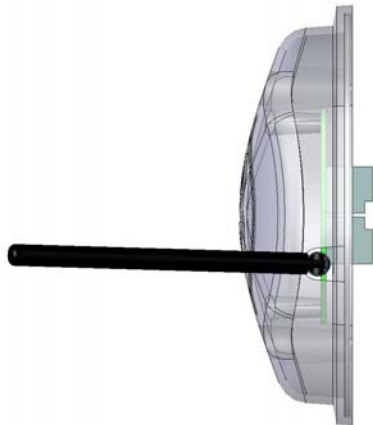
MOUNTING INSTRUCTIONS

Each Master Receiver supports up to seven Satellite Receivers. The Satellites are connected in a daisy chain via the RJ-45 connectors.



eLINK AREA RECEIVER INSTALLATION GUIDE

- ⇒ Place the Receiver in the approximate location for final use.
- ⇒ The Receiver is mounted onto a standard single gang electrical box.



- ⇒ If the receiver is installed on a conductive surface (metal wall, or wall with metal mesh inside), the antenna should be swiveled away from mounting surface.

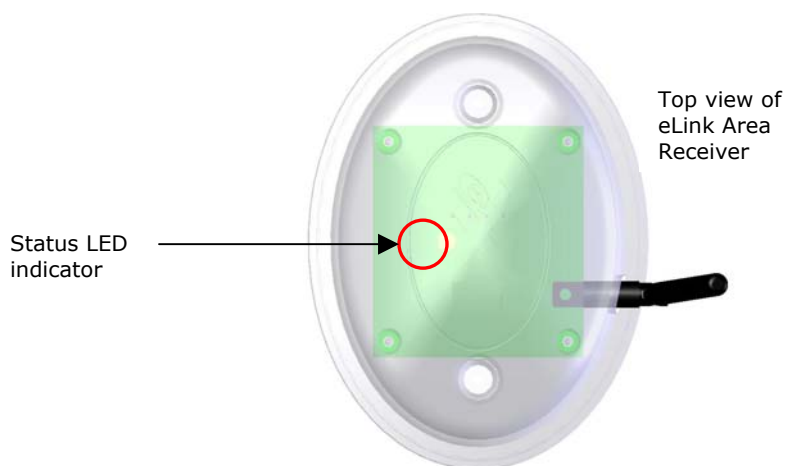


- ⇒ If the wall is dielectric (plaster), the antenna can be left parallel to the wall, but should point away from the receiver.

- ⇒ Connect the power supply and system network cables to the 5 pin connector on the Master receiver (the 12VDC to 24 VDC supply should be OFF while connecting).

Note: Each Receiver has a unique electronic serial number that is associated with the location of the Receiver in the building. The computer indicates the correct location of an event on the floor plans by using this serial number association. Therefore, ensure that the correct Receiver is installed at the corresponding location.

4 OPERATION AND INDICATORS



STATUS LED INDICATOR

Type of Receiver	Action	LED Indicator
Master (yellow LED)	Power applied, no Network	Slow, dim flashing
	Power applied, Network OK	Continuous dim glow
	RF Event (e.g. Tamper Alarm)	Bright flash followed by previous state
Satellite (green LED)	Power applied, no Network	Slow, dim flashing
	Power applied, Network OK	Continuous dim glow
	RF Event (e.g. Tamper Alarm)	Bright flash followed by previous state
	Communication rate with host has not yet been detected (host has not confirmed)	Bright solid light

ACTIVE OUTPUT

The eLink Area Master Receiver is equipped with an active DC output that produces a voltage equal to applied to the receiver and current- limited at 125 mA DC in the case of tamper alarm. The output can drive a relay coil or other similar devices. The output is activated for 5 seconds after each alarm event.

AUTOMATIC SENSITIVITY (THRESHOLD) ADJUSTMENT

eLink Area Receivers are equipped with a circuit that automatically adjusts the detection level threshold according to current level of RF noise at installation site. This circuit assumes that the receiver will provide maximum coverage possible in a given environment. Abnormally high levels of external interference will not prevent the receiver's operation, but will decrease the detection range.

TESTING THE RF COVERAGE

The eLink Area Receiver can be used together with an RF test tag to test the RF coverage.

The Receiver is equipped with an audible piezo beeper, which will respond to valid Test Transponder messages only. When the transmit button is pressed on the RF Test Tag, the Receiver will provide audible feedback as it receives the message from the RF Test Tag. By placing the Receiver in each proposed HALO Receiver location, the effective coverage around the receiver may be confirmed prior to establishing the system RF coverage map, and device location plan. The unit can also help an engineer identify RF-shielded areas within the facility.

While holding the RF Test Tag button continuously, move throughout the area to be covered by the receiver. You should hear an audible tone from the Receiver when the RF Test Tag message is received. Where the tone interval becomes irregular, tag communication may be unreliable at that location. This may be because you are near the perimeter of the nominal reception range, or there may be building infrastructure affecting tag reception from that location.

Please see the Technician Test Kit User Guide for more information about the test kit available and complete instructions on testing the RF coverage.

FCC Regulations

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. Changes or modifications not expressly approved by EXI Wireless could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for 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 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

eXI systems are designed to assist staff in providing a high degree of safety for people and therefore should only be used as a component of a comprehensive security program of policies, procedures, and processes. As with every security system, eXI highly recommends regular system operational checks to verify functional integrity.

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