

LTE-L57V / LTE-L57A / LTE-L57C Cellular Communication Modules Installation Guide

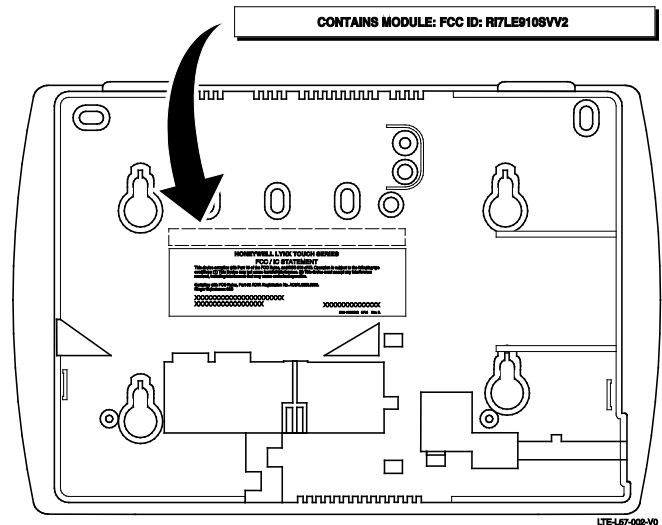
General Information

The LTE-L57V / LTE-L57A / LTE-L57C Cellular Communication Modules allow the LYNX Touch L5210 and L7000 controls to communicate with the Central Station via the LTE cellular network.

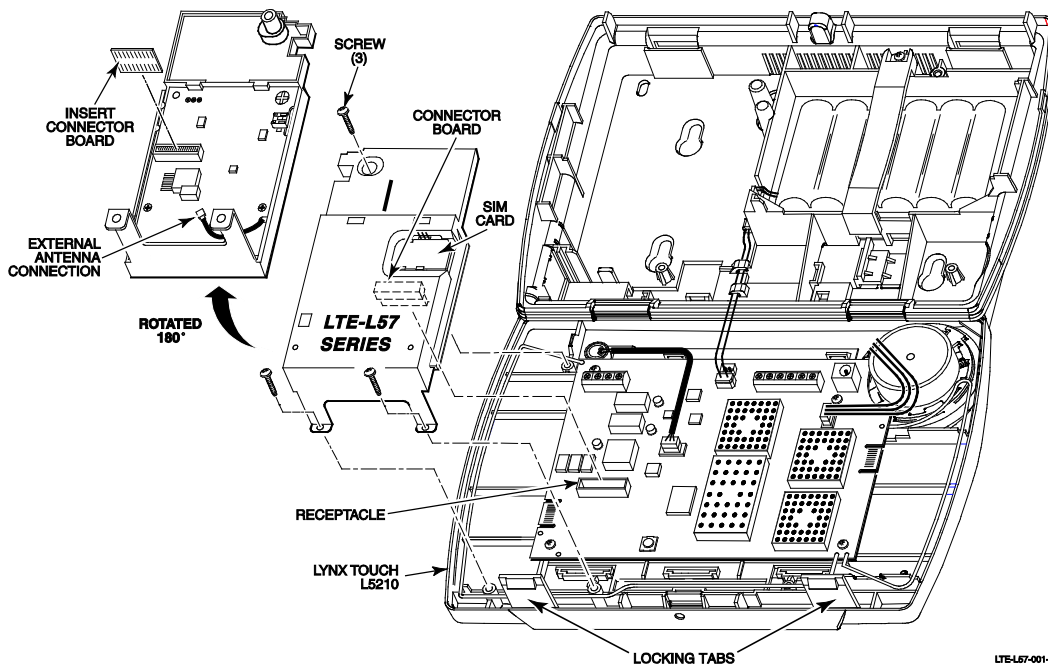
See LYNX Touch Series Installation and Setup Guide (p/n 800-19974V1 or higher) for additional installation and programming information.

Installing the Communication Module in the LYNX Touch Series Control

1. Install the provided FCC label (LTE-L57V: 800-23737 or LTE-L57A/LTE-L57C: 800-23737-1V1) on the control's case back (see diagram).
2. Release the LYNX Touch front case from the back case by depressing the two locking tabs at the top of the unit with the blade of a medium size screwdriver (see diagram below).
3. Install the communication module into the LYNX Touch control front case as shown. Ensure that the connector board is properly seated into the receptacle on the control.
4. Secure the module with the three provided screws.
5. Enable the communication module, configure alarm reporting and module supervision and register the device. Refer to the "Program the Radio" and "Diagnostics" sections in the LYNX Touch Series Installation & Setup Guide (p/n 800-19974V1 or higher).



Typical FCC/IC Label Location (LTE-L57V label shown)



Installing the LTE-L57 Communication Module in the LYNX Touch (L5210 Shown)

LTE-L57V
Initial Power Up Note
Upon initial communicator power up, a network initialization sequence begins and the LYNX control displays the following:

SIM not yet provisioned. Please wait. WARNING – Do not reset the panel!!!

This sequence may take up to 15 minutes. **Do not reset power during this initialization time.** After the communicator has completed network initialization, subsequent resets or power ups can take up to 90 seconds.



Checking Signal Strength

When choosing a suitable mounting location, check the communicator's signal strength to ensure proper operation. For most installations, using the module's internal antenna, mounting the control as high as practical, and avoiding large metal components provides adequate signal strength for proper operation. Use the "Cell Information" screen to display signal strength (in dBm).

Select: Security > More > Tools > [Installer Code] > Program > Comm. Diagnostics > Cell Information

Primary Site QOS Level Signal strength is displayed by a series of 1 to 5 stars (* weak to ***** strong) or "Not Present" if there is no signal. To ensure a reliable installation at least 2 (**) stars should consistently be present.

If necessary, relocate the Control to obtain better signal strength (press Cell Information again to refresh the reading) or install an external antenna.

Specifications

Voltage Input	5V (provided by the control panel)
Current	
Idle	30mA, standby
Transmit	490mA, max transmit
Environmental	
Operating Temperature	-20°C to +55°C (for compliance agency: 0°C to +49°C)
Storage Temperature	-40°C to +70°C
Humidity	0 to 95% relative humidity, non-condensing (for compliance agency 0% to 85%)
Antenna	<ul style="list-style-type: none">• Penta-Band diversity antennas for LTE• LTE-L57V: Supports LTE Bands 13, 4 and 2 LTE-L57A/LTE-L57C: Supports LTE Bands 12, 13, 5, 4 and 2
External Antenna Kit	CELL-ANTSMA

Important Note About External Antennas

If an external cellular radio antenna is used, the antenna may be installed or replaced **ONLY** by a professional installer.

To the Installer

LTE-L57V: The external antenna gain shall not exceed 6.94 dBi for 700MHz, 6 dBi for 1700MHz and 9.01 dBi for 1900MHz. Under no conditions may an antenna gain be used that would exceed the ERP and EIRP power limits as specified in FCC Parts 22H, 24E and 27.

LTE-L57A, LTE-L57C: The external antenna gain shall not exceed 6.63 dBi for 700MHz & 850MHz, 6 dBi for 1700MHz and 8.51 dBi for 1900MHz. Under no conditions may an antenna gain be used that would exceed the ERP and EIRP power limits as specified in FCC Parts 22H, 24E and 27, or ISED RSS-130, RSS-132, RSS-133, and RSS-139.

Support & Warranty

For the latest documentation and online support, please go to:

<https://mywebtech.honeywell.com/>

For the latest warranty information, please go to:

www.honeywell.com/security/hsc/resources/wa.

For patent information, see www.honeywell.com/patents



MyWebTech



Warranty



Patents

FEDERAL COMMUNICATIONS COMMISSION (FCC) & ISED STATEMENTS

The user shall not make any changes or modifications to the equipment unless authorized by the Installation Instructions or User's Manual. Unauthorized changes or modifications could void the user's authority to operate the equipment.

FCC CLASS B STATEMENT

This equipment has been tested to FCC requirements and has been found acceptable for use. The FCC requires the following statement for your information:

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause 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:

- If using an indoor antenna, have a quality outdoor antenna installed.
- Reorient the receiving antenna until interference is reduced or eliminated.
- Move the radio or television receiver away from the receiver/control.
- Move the antenna leads away from any wire runs to the receiver/control.
- Plug the receiver/control into a different outlet so that it and the radio or television receiver are on different branch circuits.
- Consult the dealer or an experienced radio/TV technician for help.

ISED CLASS B STATEMENT

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

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

FCC / ISED STATEMENT

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

Cet appareil est conforme à la partie 15 des règles de la FCC et exempt de licence RSS d'ISED. Son fonctionnement est soumis aux conditions suivantes: (1) Cet appareil ne doit pas causer d'interférences nuisibles. (2) Cet appareil doit accepter toute interférence reçue y compris les interférences causant une réception indésirable.

RF Exposure Warning

The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 7.8 in (20 cm) from all persons and must not be co-located or operated in conjunction with any other transmitter except in accordance with FCC and ISED multi-transmitter product procedures.

Mise en Garde

Exposition aux Fréquences Radio: La/les antenne(s) utilisée(s) pour cet émetteur doit/doivent être installée(s) à une distance de séparation d'au moins 20 cm (7,8 pouces) de toute personne et ne pas être située(s) ni fonctionner parallèlement à tout autre transmetteur ou antenne, excepté en conformité avec les procédures de produit multi transmetteur FCC et ISED.

Honeywell

2 Corporate Center Drive, Suite 100
P.O. Box 9040, Melville, NY 11747
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