PRINT INSTRUCTIONS: REFERENCE SHEET V-RPTR1-345 P/N 77-600007-001 REV 1.0 |
INK: BLACK | **MATERIAL:** 20 LB MEAD BOND | **SIZE:** 8.50" X 11.00" SCALE 1:1 |
FOLDS: BI-FOLD VERTICAL, BI-FOLD HORIZONTAL (TO FIT IN BOX)

345 MHz Repeater

(V-RPTR1-345)

Quick Reference

The Vivint 345 MHz Repeater (RPTR1) is a receiver/transmitter device with an internal antenna that extends the range of a Vivint wireless home security and automation system. It does this by listening for alarm, status, and control signals from the 345 MHz wireless sensors (i.e., motion detectors, door/window sensors, fire/smoke and CO detectors, etc.), and repeating those signals to the control panel.

The 345 MHz Repeater includes supervisory features so it can report relevant current status information such as tamper, AC power loss, low battery, bad battery, or loss of supervision.

The RPTR1 can repeat signals from Vivint, 2GIG/Linear, and Honeywell 345 MHz sensors and devices. Only one 345 MHz repeater should be added to a system.

The repeater device contains a rechargeable battery that can provide up to 30 hours of backup standby power when primary (external) power is lost.

This document includes installation, usage, and test instructions, as well as technical specifications and regulatory declarations.

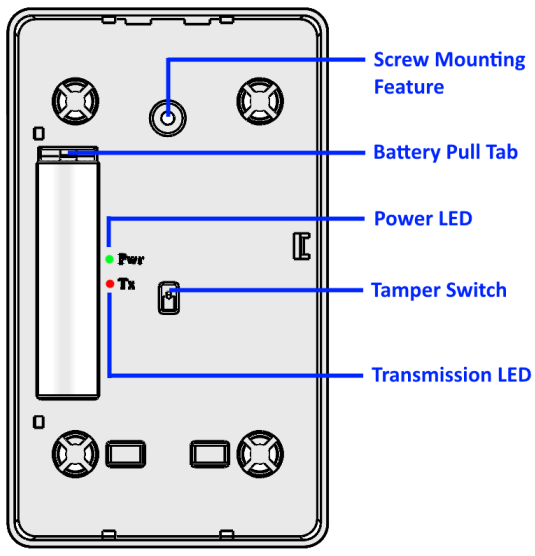
Installation Instructions

(For more details about adding wireless sensors to the system, see product *Installation* documentation at the Knowledge In Motion site: corp.vivint.com/sites/KIM/)

Mounting the repeater device:

1. Remove the front cover by gently lifting the cover piece from the main body.
2. Connect the provided external power supply to the back of the repeater device, and push the cable snugly into the slot (under the cable retention tabs) so that the device can be mounted flat against the surface of the wall.
3. Mount the repeater in the selected location (see Installation Tips). Use the single round screw hole at the top of the device to insert the screw. Make sure to use a screw anchor in the wall, and tighten the screw to securely attach the repeater. (You may want to tighten the screw and then back it off a bit so that the repeater can swing freely enough to self-straighten.)
4. Remove the battery pull tab to activate the backup battery. The blinking red TX light indicates the repeater is transmitting signals between the system sensors and the control panel.
   (**NOTE:** The green PWR light does not turn on unless there is power from an external power supply.)
5. Plug the power supply into an unswitched wall outlet.
6. Replace the front cover by pressing it directly onto the mounted repeater casing and pushing gently until it clicks into place indicating it is securely closed.

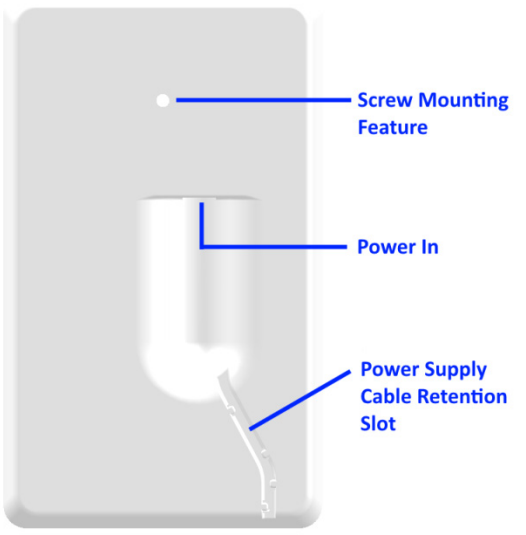
Front View (Cover Off):



INSTALLATION TIPS:

- Install the repeater in a location near an AC power outlet.
- To maximize wireless range, the repeater should be installed on a wall in the portrait orientation, and located generally halfway between the most distant system sensors (e.g., sensors that are not communicating reliably) and the control panel.
- Install only one repeater device per Vivint system.

Back View:



Installer Test

Remove the Repeater front cover to trigger a tamper alert which sends a signal from the repeater to the control panel to confirm proper operation. Test the sensors and detectors furthest from the control panel by triggering the sensor or pressing a test button or tamper on each device.

Specifications

Wireless Signal Range	350 feet (106.7 m), open air
Batteries	Lithium-Ion Cylindrical 3.6 V 2200 mAh (non-servicable battery)
Battery Life	3-5 years under normal usage
Transceiver Frequency	345 MHz
Code Outputs	Supervisory, Tamper, Low Battery, Bad Battery, Wall Adapter Disconnect
Supervisory Interval	70 minutes (4 hours for panel to report supervision failure)
Operating Temperature Limits	32° to 120°F (0° to 49°C)
Relative Humidity	5-95% Non-Condensing

Battery Activation

The battery for the repeater is a non-servicable rechargeable lithium-ion battery that is pre-installed inside the device. The battery provides backup power (for up to 30 hours) when the power supply is disconnected and/or during a power outage. Do not remove or tamper with the battery in any way. To activate the battery:

1. Pull out the battery pull tab to create a contact between the battery and the circuit board. The blinking red TX light indicates the repeater is transmitting signals. As mentioned, from a non-powered state the battery will not engage until external power in applied.
2. Plug the power supply into the connector on the back of the device. Plug the AC/DC power supply into the AC power outlet. The solid green PWR light indicates power is being provided (not backup battery power).

WARNING! This battery is not servicable. Do not remove the battery cover. Improper handling of lithium batteries may result in heat generation, explosion, or fire, which may lead to personal injury.

AVERTISSEMENT! Une mauvaise manipulation des piles au lithium peut conduire à la production de chaleur, une explosion ou un incendie, ce qui peut entraîner des blessures.

Batteries must not be disassembled or disposed of in fire. Disposal of used batteries must be made in accordance with the waste recovery and recycling regulations in your area. Keep away from small children. If batteries are swallowed, promptly see a doctor.

Wireless Product Notice

Wireless communications hardware provides reliable communication; however, there are some limitations which must be observed.

- The transmitters are required to comply with all applicable wireless rules and regulations. As such, they have limited transmitter power and limited range.
- Wireless signals may be blocked by radio signals that occur on or near the wireless operating frequencies.

FCC and Industry Canada Regulatory Declarations*

CAUTION! Unauthorized changes or modifications could void the user's authority to operate the equipment.

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules and Industry Canada license-exempt RSS standard(s). 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 of the device.

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 the 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/television technician for help.

PRUDENCE! Changements ou modifications pourraient annuler le droit de l'utilisateur à utiliser l'équipement non autorisées.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

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.

Ces limites sont conçues pour fournir une protection raisonnable contre les interférences nuisibles dans une installation résidentielle. Cet équipement génère, utilise et peut émettre une énergie de radiofréquence et, s'il n'est pas installé et utilisé conformément aux instructions, il peut causer des interférences nuisibles aux communications radio. Cependant, il n'existe aucune garantie que des interférences no se produiront pas dans une installation particulière. Si cet équipement provoque des interférences nuisibles à la réception radio ou télévision, ce qui peut être déterminé en mettant l'équipement hors et sous tension, l'utilisateur est encouragé à essayer de corriger l'interférence par une ou plusieurs des mesures suivantes:

- Réorienter ou déplacer l'antenne de réception.
- Augmentez la distance entre l'équipement et le récepteur.
- Connecter l'équipement à une sortie sur un circuit différent de celui sur lequel le récepteur est branché.
- Consulter le revendeur ou un technicien radio / télévision expérimenté pour de l'aide.

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