CellBounce™

# *CB34U Gateway Quick Start Guide*

## Introduction

The CB34U Gateway is a plug-and-play solution that provides upgraded LTE connectivity to an existing 3G-based Alarm Panel.

This CB34U Gateway has been pre-programmed at the factory with the specific CellBounce network parameters and credentials required to seamlessly set itself up and communicate with the LTE network and Central Station.

The simple installation process only requires the end-user to plug the CB34U into a working power outlet. After successful installation, all features and functionalities of the existing Alarm Panel will remain and the CB34U Gateway will relay information to and from the Alarm Panel to the LTE network.

## 1) Place the Unit

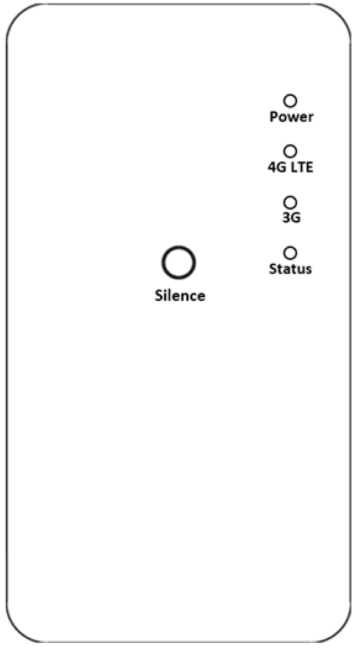
In order to ensure proper communication with the existing 3G Alarm Panel, find a suitable location for the CB34U Gateway by following the placement installation guidelines below:

- Within the residence, in an elevated location approximately 3-6 feet above the ground, such as on top of a shelf or cabinet
- On a flat surface, with the 4 LED indicators and Silence button pointing upwards towards the ceiling
- Within approximately 50 feet of the existing Alarm Panel
- In a location that ensures the device can remain permanently located/undisturbed, and accessible only when necessary
- Within reach of an electrical outlet

***NOTE: Do not connect to a receptacle that is controlled by a switch***

## 2) Begin Self Installation

1. Connect the CB34U AC Adaptor to a power outlet
2. Upon plugging in the device, it will go through a self-installation process. The Power and Status LEDs will turn Green
3. After approximately 60 seconds, the 3G and 4G LTE LEDs will begin blinking Yellow. This shows that the device is establishing connectivity to the existing Alarm Panel and the 4G LTE network.
4. Wait until the 3G and 4G LTE LEDs both turn Green
   - If both LEDs turn Green, the CB34U Gateway has completed the installation process and is connected for normal operation
   - If either 3G or 4G LTE LEDs turn Red, visit the Troubleshooting section of this Quick Start Guide
   - If either 3G or 4G LTE LEDs remain blinking Yellow for more than 10 minutes after plugging in the device, visit the Troubleshooting section of this Quick Start Guide




## 3) LED User Interface and Audible Alerts

| | Condition | LED Indication | Audible Indication |
|---|---|---|---|
| **LED #1** **Power Status** | Power OK | Solid Green | N/A |
| | Power Lost (running on battery) | Yellow slow blink | Once every 60 seconds |
| | Power Lost (running on battery silenced) | Red slow blink | Off |

| | Condition | LED Indication | Audible Indication |
|---|---|---|---|
| **LED #2** **4G LTE Signal & Connectivity** | Connected to AT&T Network | Solid Green | N/A |
| | Transmitting/Receiving data | Green slow blink | N/A |
| | Not Connected to AT&T Network | Solid Red | Once per minute |
| | Not Connected to AT&T Network (silenced) | Red Slow Blink | Off |
| | LTE has low signal quality | Yellow slow blink | N/A |
| | Power Lost (running on battery) | Off | N/A |

| | Condition | LED Indication | Audible Indication |
|---|---|---|---|
| **LED #3** **3G Signal & Connectivity** | Connected to Alarm Panel | Solid Green | N/A |
| | Not Connected to Alarm Panel | Solid Red | N/A |
| | Transmitting/Receiving data | Green slow Blink | N/A |
| | Broadcasting | Yellow slow blink | N/A |
| | Power Lost (running on battery) | Off | N/A |

| | Condition | LED Indication | Audible Indication |
|---|---|---|---|
| **LED #4** **Status & Trouble Conditions** | No Trouble | Solid Green | N/A |
| | No Trouble - Power Lost (running on battery) | Off | N/A |
| | Tamper | Solid Yellow | Once every 10 seconds |
| | Tamper Silenced | Yellow slow blink | Off |
| | Low Battery/battery disconnected | Solid Red | Once every 10 seconds |
| | Low Battery Silenced | Red slow blink | Off |
| | Tamper + Low Battery | Red/Yellow Fast blink | Once every 10 seconds |
| | Tamper + Low Battery Silenced | Red/Yellow slow blink | Off |

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## 4) Troubleshooting

| Troubleshooting Scenarios | Recommended Next Steps |
|---|---|
| Power LED = Blinking Yellow or Red | Confirm that the power cable is plugged in |
| | Confirm that the breaker/switch for the outlet is on |
| 4G LTE LED = Solid or Blinking Red | Try re-locating the CB34U to another suitable location with better LTE reception |
| 3G LED = Solid Red | Confirm that the alarm panel is powered on |
| | Try re-locating the CB34U closer to the Alarm Panel |
| Status LED = Solid or Blinking Yellow | Ensure the back cover is tightly secured |
| Status LED = Solid or Blinking RED | Ensure the battery is properly connected |

***If any of the troubleshooting scenarios persist even after taking action on the recommended next steps, contact your Alarm Service Provider for further information.***

## 5) Replacing the Battery

If the battery is damaged or unable to charge properly, a trouble condition will appear via the Status LED turning Red.

First, ensure that the battery is properly connected and AC Power has remained ON for at least 48 hours. If the trouble condition still exists, the battery may need to be replaced.

To replace the battery, remove the rear cover to expose the battery, then replace with a RT645 SLA battery. Note the correct orientation of the battery and polarity of the wires.

## 6) Device Specifications

| | |
|---|---|
| Operating Temperature | 0 - 50° C |
| Storage Temperature | -20° - 60° C |
| Operating Humidity | 93% RH Max. (Non-Cond.) |
| Power Adapter | 120v AC; 12v DC, 0.5A |
| Battery | RT645 Sealed Lead Acid; 6V 4.5AH |
| Battery Life | 6 - 8 years |
| Installation Range to Alarm Panel | 50 feet (maximum) |

## FCC Compliance Statement

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 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 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.

Unauthorized modification of the Radio is prohibited; user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.