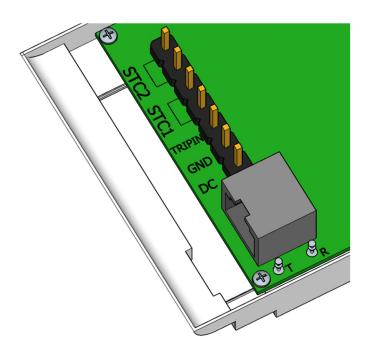
## **TG-1 Express Quick Install Guide**



| Pin    | Description   |
|--------|---|
| STC2   | Connect to 24-Hour N.C. Zone on panel for supervision.                  |
| STC1   | Connect to 24-Hour N.O. Zone on panel for supervision                   |
| TRIPIN | Connect to external relay/sensor or to the panel for Home Control Flex. |
| DC     | Connect to panel auxiliary power.                                       |
| GND    | Connect to panel auxiliary ground.                                      |

### Register for Telguard Service

The registration form may be completed online through our 24/7 dealer portal www.telguard.com.

# Connect Dialer and Power to the TG-1 Express

Connect the alarm panel's dialer to the RJ-45 jack on the TG-1 Express. If using the Single Line Interface Cable (SLIC) for power, connect the supplied RJ-45 cable's orange wire to the alarm panel's ground and its blue wire to the panel's auxiliary power. If using the terminal block, connect pins 6 and 7 (labeled **GND** and **DC**) to the panel's ground and power, respectively.

### **Connect the Antenna and Place the Unit**

Connect the antenna to the antenna port, and press the RSSI button on the side of the unit to put the LEDs into RSSI display mode. When you have found a location that provides 2 bars or more (LEDs 4 and 5 solid) and more than 1 cellular tower (LED 1 solid), install the mounting screws and attach the TG-1 Express to the mounting screws. Press the RSSI button again to return the LEDs to normal display mode.

#### **Activate the TG-1 Express**

The last step is to trigger an alarm from the panel to activate the TG-1 Express. Note that the first alarm will activate the TG-1 Express with the Telguard Communication Center, and will **not** be sent to the central station.

### **Optional Steps**



#### **Configure and Connect Supervisory Trip Outputs**

If required, configure the relay outputs by visiting <a href="www.telguard.com">www.telguard.com</a>. By default, the relays will trip for any system trouble condition detected on the TG-1 Express. Connect the STC2 relay output to a 24 Hour N.C. Zone on the alarm panel for supervision. Connect the STC1 relay output to a 24-Hour N.O. Zone on the alarm panel for supervision.

## **Configure and Connect Trip Input**

The trip input may be configured to provide supervision independent of the alarm panel, for applications such as external sensors and tamper protection. Configure the trip and restoral reporting (they are disabled by default) and the swinger setting by visiting <a href="https://www.telguard.com">www.telguard.com</a>.

#### **HomeControl Flex**

If enabling **HomeControl Flex**, STC2 will be repurposed as the Keyswitch relay and the Trip Input will be used to connect to the panel's output. STC1 will remain as the only trouble condition relay. To enable this feature and to find more information about HomeControlFlex wiring and programming, visit <a href="www.telguard.com">www.telguard.com</a>.

For more detailed installation descriptions, please refer to the Telguard Installation and Operating Instructions available for download at <a href="https://www.Telguard.com">www.Telguard.com</a>

#### **LED Indicators**

| LED Symbol             | Color  | Showing      | Indication  |
|------------------------|--------|--------------|---|
|                        | Green  | Solid On     | Unit is activated at the message center and enabled   |
| LED #1<br>Activation   |        | Off          | Unit not activated at the message center  |
| 1200 (000)             |        | Flashing     | Unit is disabled or Activation Denied (if paired with LED 4)  |
|                        | Red    | Off          | ALL OK  |
|                        |        | 1 Flash      | STC – Low Power Failure   |
| LED #2                 |        | 2, 3 Flashes | N/A   |
| STC<br>(System Trouble |        | 4 Flashes    | STC – No Service Condition  |
| Condition)             |        | 5 Flashes    | STC – Radio Failure Condition   |
|                        |        | 6 Flashes    | STC – Dial Tone Failure   |
|                        |        | 7 Flashes    | STC – Panel Presence Failure  |
| LED #3                 | Yellow | Flashing     | TG-1 Express communicating with alarm panel   |
| Panel Communication    |        | Off          | Idle state  |
| LED #4                 | Red    | Flashing     | When flashing with LED #1 unit has failed activation. Press RSSI button twice and check Registration. |
| Acknowledgement        |        | Off          | TG-1 Express initialized  |
|                        |        | On           | TG-1 Express is waiting for response from Telguard Communication Center                               |
|                        | Green  | Off          | Idle  |
| LED #5                 |        | Flash        | Indicates radio is receiving message  |
| Radio                  |        | Solid On     | TG-1 Express initializing with cellular network   |
| LED #7                 | Green  | Solid On     | Trip input activated  |
| Trip Input             |        | Off          | Trip input not active or restored   |
| LED #8<br>Power        | Red    | Solid On     | Power connected to unit   |