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## TL-250 Stand Alone Quick Install Guide

### Compatible Receivers

System III with a DRL3-IP line card

### System Overview

The T-LINK TL250 is a network communicator that sends alarm system information to the central station and allows you to also perform uploads and downloads of the panel through the DLS Software.

The T-LINK TL250 has four modes of operation. It can operate in one of three operational modes or it could be connected to a compatible DSC panel.

	<b>Standard Mode</b>	The system is configured as a communicator with a compatible DSC alarm panel.
<b>Mode 1</b>	<b>Bell Follower</b>	The T-LINK TL250 monitors the Bell Output of the control panel. The system identifies the Bell Output cadence and transmits the corresponding Fire or Burglar alarm reporting code to the central station.
<b>Mode 2</b>	<b>4-Zone Panel</b>	The T-LINK TL250 system is configured for 4 zones, stand alone operation.
<b>Mode 3</b>	<b>12-Zone Panel</b>	If the T-LINK TL250 detects a PC5108 expander card on power up it will automatically configure itself for 12-zone standalone operation with normally closed loops.

### Before you Begin

Before programming the T-Link TL250 module, obtain the following information from the Network Administrator.

- The static IP address for the T-Link TL250 module (only if static IP address is going to be used)
- The subnet mask for the T-Link TL250 module (only if static IP address is going to be used)
- The receivers IP address
- The gateway IP address

**STEP 1 - Resetting to Factory Defaults****Hardware Defaults**

- Remove Power from the T-Link TL250; disconnect battery and the control panel if applicable
- Connect a jumper wire between the PGM1 and IN1 terminals
- Apply power to the system
- Wait approximately 20 seconds then remove the short between PGM1 and IN1

**Step 2 - Programming**

The T-Link TL250 can be programmed remotely or locally with the T-Link console via the Ethernet connection or locally with the T-Link console via the serial port. TL250 programming cannot be done using DLS software.

**NOTE: On a default unit the T-Link can be reached from the console at IP 192.168.0.99 with a subnet mask of 255.255.255.0 on port 3064.**

- Program the static IP address for the T-Link TL250 module – **Section [001] Program 000.000.000.000 for DHCP**
- Program the subnet mask for the T-Link TL250 module – **Section [002] This option will be ignored if the unit is set for DHCP**
- Program the static IP address of the receiver – **Section [007]**
- Program the T-Link TL250 account number – **Section [003]**
- If the receiver is on a different network segment than the T-Link TL250 module, the gateway address associated with the T-Link TL250 module must be programmed – **Section [008]**
- Program the Digital Input 1 through 12. Select the definition from the list below – **Section [036]-[047]**

<b>[00]</b>	Null Input
<b>[03]</b>	Instant Input
<b>[08]</b>	Standard 24-hr Fire Input
<b>[11]</b>	Standard 24-hr Burglary
<b>[16]</b>	24-hr Panic Input
<b>[21]</b>	24-hr Tamper
<b>[23]</b>	Maintained Key switch Arm Input (Input 2 Only)
<b>[99]</b>	24-hr Bell Follower Input (Input 1 Only)
- Program the zone Input 1 Configuration – **Section [048], 0 for normally open inputs, and 1 for normally closed inputs.**

- Program the zone Input 2 to 4 Configuration – **[Section [049] 0 for normally open inputs, and 1 for normally closed inputs.**
- Program the Fire On Time. The Bell Pulse ON Time is used with Digital Input 1 when configured for Bell Follower mode. The Bell Pulse ON/OFF Time is the time of the pulse width. This option is programmed in hex times 100 milliseconds – **Section [062]**
- Program the Fire Off Time. The Bell Steady ON Time is used with Digital Input 1 when configured for Bell Follower mode. This the minimum time in 100ms increments that the bell must be active/sounding before it will be considered a steady on state and generate the Burglary Alarms. This option is programmed in hex times 100 milliseconds – **Section [063]**
- After all T-Link TL250 module programming is complete, you must restart the module so the programming changes will take effect. To restart the T-Link TI-250 module enter the digits [55] in T-Link TL-250 programming section [999] and wait 15 seconds for the module to reboot. Once complete, press the [#] key to exit T-Link TL250 programming.

#### STEP 4 – Testing

- Verify that the STAT LED is flashing once every 5 seconds, if not please procedure to the below Trouble Shooting section
- Call the Central Station and put your account on test
- Trip a zone on the control panel
- Call the Central Station and verify that the correct signal was received

### Trouble Shooting - LED Diagnostics

**LK LED** will turn on when the network is present and will blink when there is network activity.

**SPD LED** will remain off for 10BaseT network connection and will be on to indicate 100BaseT network connection.

**RX/TX** will blink to show network activity.

**Trouble Status** The STAT (Status) LED will normally blink once every 5 seconds. Should a trouble be present, the LED will blink a number of times (as per table) with a one second pause before restarting the sequence. Should there be more than one trouble present, the LED will blink at a rate that is equal to the highest priority. The transmitter has a number of individually maskable trouble conditions that report various troubles present on the transmitter.

Trouble	Number of Blinks	Description
Network Absent	1	The Ethernet link between the transmitter and local hub or router is absent. This is equivalent to the link LED on the Ethernet chip being off.
Invalid Account	2	The transmitter account code is still set to the default value of FFFFFF.
Receiver 1 Absent	3	The transmitter is not receiving Receiver Heartbeat commands from the receiver.
Panel Absent	4	In the case of a DSC 4020 or 5020 panel, the transmitter is not receiving polls from the panel through the PC-Link interface. In the case of a generic panel, the panel is not supervised by the transmitter.
Inputs Alarms	5	There are Inputs on the T-Link which are in the alarm condition
FTC 1	6	T-Link failed to communicate with receiver#1
PC5108 Absent	7	The PC5108 Module is not responding to the transmitter.
PC5108 Tamper	8	The PC5108 Module Tamper has been activated
FTC 2	9	T-Link failed to communicate with receiver#2
Key switch Arm	10	The system was armed by the key switch zone
T-Link Remote Programming	11	T-Link is being programmed remotely
T-Link Local Programming	12	Link is being programmed locally
Receiver #2 Absent	13	The transmitter is not able to connect to receiver#2 on power-up

**If at any point you experience any problems or have additional questions in reference to the operation of the T-Link TL-250 please call the DSC Technical Support department at 800-387-3630 (Monday to Friday 8am – 8pm EST)**