

**Date:** February 2, 2006

## TL250 with 4020 Quick Install Guide

### Compatible Receivers

System III with a DRL3-IP line card

### Compatible Panels

MAXSYS 4020 version 3.31 or greater (*Rev04B hardware require*).

### 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.

### 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 jumper between PGM1 and IN1.

### Step 2 - Connect the TL-250 to the Alarm Control Panel

- Secure the T-Link module to the side of the cabinet using the supplied standoffs
- With both AC and battery disconnected from the DSC control panel, wire the T-Link TL-250 to the panel using the supplied cable
- Wire the panel's AUX + and - to 12V and GND terminals of T-Link TL-250
- Apply AC and DC to the main control panel. Both the T-Link TL-250 and the panel should power up
- Perform necessary programming that is required

### Step 3 - Programming

- Program the Hex digits [CAAA] in the telephone number that will be used for T-Link TL250 communications – **Section [000400000]**
- Program YES for 'T-Link Enabled' option – **Section [000401]**
- If using DLS communication over T-Link then program YES for 'DLS Enabled' – **Section [000300]**
- Program the dialer direction options for the phone number that has been programmed to send T-Link communications – **Section [000400XX02] where XX = telephone number**
- T-Link module programming options – **Section [000406]**
- Program the static IP address for the T-Link module – **Section [001] Program 000.000.000.000 for DHCP**
- Program the subnet mask for the T-Link module – **Section [002] this option will be ignored if the unit is set for DHCP**
- Program the receiver static IP address – **Section [007]**
- If the receiver is on a different network segment than the T-Link module, the gateway address associated with the T-Link module must be programmed – **Section [008]**
- Program the T-Link's account number – **Section [003]**
- 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 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 DSC 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 FFFFFFFF.
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)**