ELAN®   Integration Note

Manufacturer:	Texecom
Model Number(s):	**Premier Elite Series**
Core Module Version:	8.3.950
Comments:	Tested with Premier Elite 48, Premier Elite 640
Document Revision Date:	5/28/2020

OVERVIEW AND SUPPORTED FEATURES

The **Texecom Premier Elite** security panels integrate with the **g!** system using either an Ethernet connection or an RS-232 serial connection.

THESE PANELS SUPPORT THE FOLLOWING FEATURES:

Arm – Disarm: Arm and disarm from the Viewer interface is supported for all partitions. Status information is available for all partitions.

Auto Arm: Arming as a System Command from the Event Mapper is supported for all partitions. By default, automatic arming is disabled in the Configurator.

Zone Status: Zone status display for all zones (in any partition) is properly shown on any Viewer.

History View: The history view is properly supported on any Viewer.

Zone Bypass: If a zone is programmed as a **bypassable** zone in BOTH the security panel and the Configurator, the Security Tab in the Viewer will allow you to bypass that zone. The Configurator auto-detects if a zone is bypassable as part of the discovery process.

Auto Zone and Partition Detection: Once the panel has been configured, partition and zone information is automatically imported into the **g!** system, including all zone and partition names.

## THESE PANELS DO NOT SUPPORT THE FOLLOWING FEATURES:

Zone/Partition Name Editing: Zone and Partition names can be edited in **g!** but these changes will not be reflected within the Texecom system.

Changing Partition Zones: "Select Partitions for Zone" options in Configurator will not change the partition zones in the Texecom System. Once discovered, these should not be changed.

640 Series: 640 Series panel is supported with panel firmware version V4 or later..

Any feature not specifically noted as supported should be assumed to be unsupported.
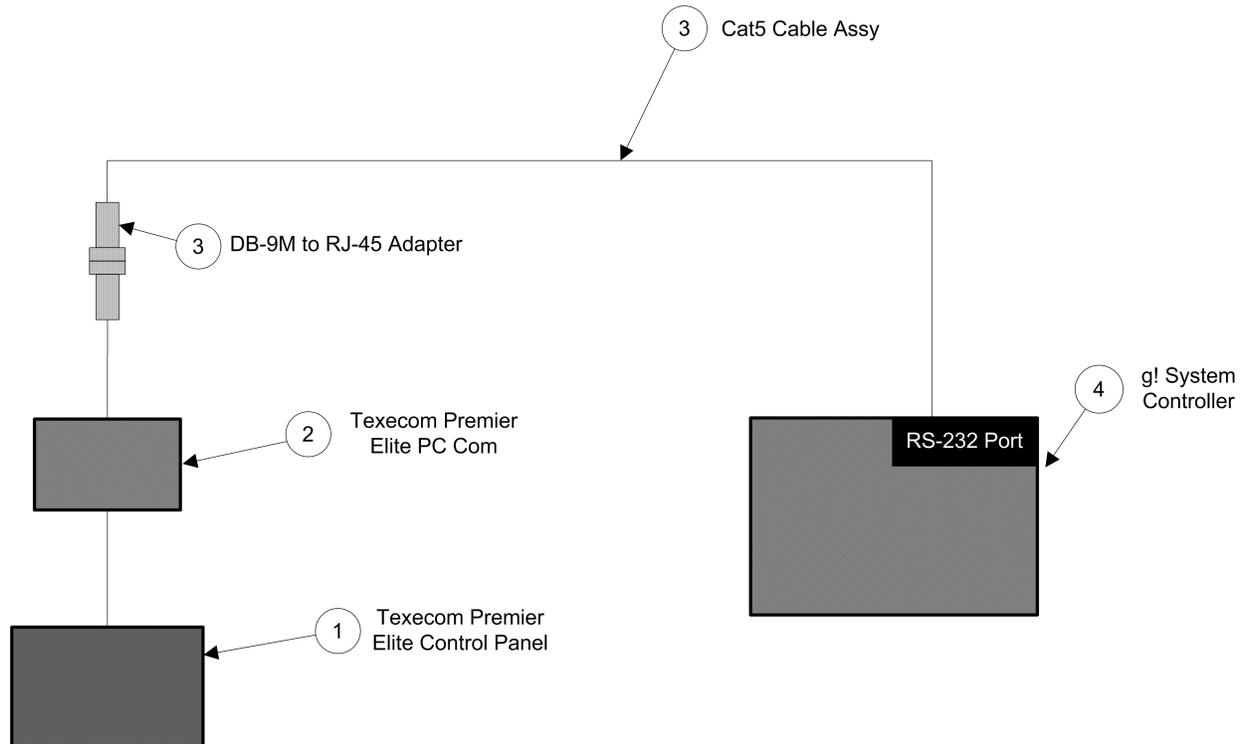
CONNECTION DIAGRAM: ETHERNET CONTROL
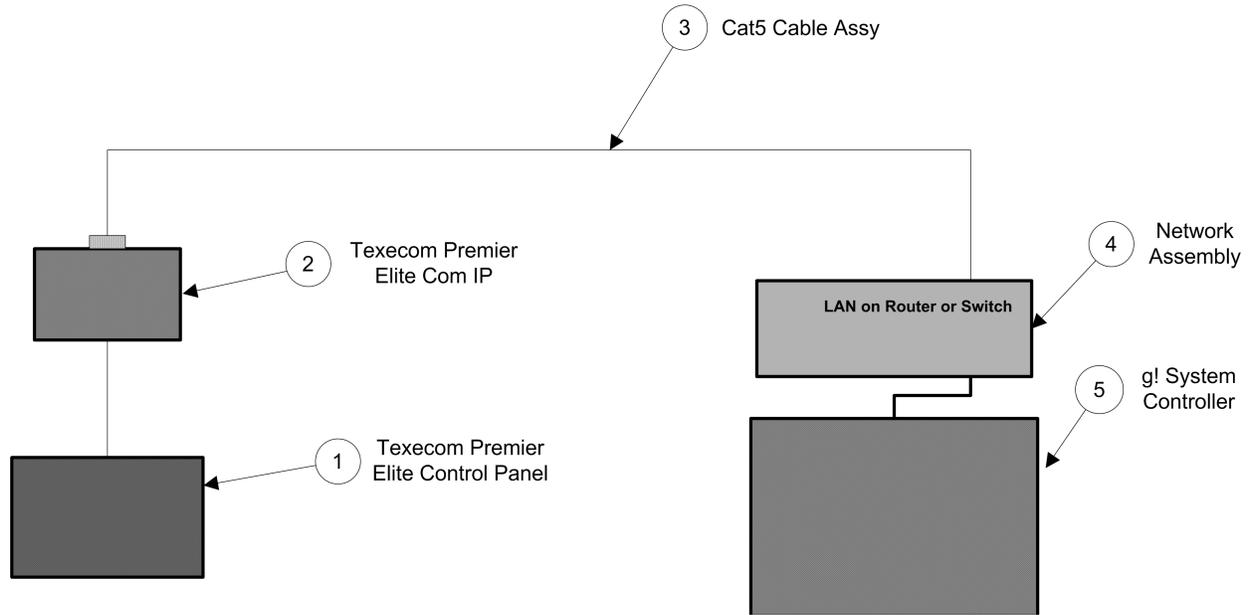
BILL OF MATERIALS

#	Device	Manufacturer	Part Number	Protocol	Connector Type	Notes
1	Control Panel	Texecom	Premier Elite Series	IP	Various	Various Models
2	Network Interface	Texecom	Premier Elite Com IP	IP	RJ-45	
3	Cat5/6 Cable	N/A	N/A	IP	RJ-45 Male X RJ-45 Male	
4	Network Assembly	ELAN	NWA18	IP	RJ-45	Any Lan Port
5	g! System Controller	ELAN	Various (HC12)	IP	RJ-45	

NOTE ON TEXECOM CONNECT SMARTCOM

The Ethernet and Wi-Fi links provided by the Texecom Connect SmartCom are not suitable for providing a control connection to the Elan g! system. The panel must be fitted with an additional ComIP or PC Com (serial) adapter to provide the control connection. The SmartCom unit uses both the COM1 and COM2 ports on the panel so the additional unit must be fitted to COM3. For panels that do not have a COM3 as standard, the SmartCom unit is shipped with an adapter that can be fitted to provide an additional COM3 port. Instructions on how to do this are included with the SmartCom unit.

CONNECTION DIAGRAM: RS-232 CONTROL

③ Cat5 Cable Assy

③ DB-9M to RJ-45 Adapter

② Texecom Premier Elite PC Com

④ g! System Controller

RS-232 Port

① Texecom Premier Elite Control Panel

BILL OF MATERIALS

#	Device	Manufacturer	Part Number	Protocol	Connector Type	Notes
1	Control Panel	Texecom	Premier Elite Series	RS-232	Various	
2	Serial Interface	Texecom	Premier Elite PC Com	RS-232	DB-9 Female	
3	DB9F to RJ45 Adapter	Elan	HA-CB-307	RS-232	DB-9 Male X RJ-45 Female	
4	Cat5/6 Cable	N/A	N/A	RS-232	RJ-45 Male X RJ-45 Male	
5	g! System Controller	ELAN	Various (HC12)	RS-232	RJ-45	

TEXECOM SETUP

The Texecom Premier Elite security system must be installed and programmed by a suitably qualified and experienced engineer. For more information, see the Texecom website (www.texecom.com).

IMPORTANT! It is strongly recommended that the Texecom engineer is present while the g! driver is installed and configured, for three main reasons:

1. For panel firmware prior to V4, discovery of Zone and Partition names is not possible without temporarily changing the UDL and Engineer pass codes to the same value.

2. For panel firmware prior to V4, it is recommended that the UDL pass code is the same as the user pass code, in order to avoid the user having to remember two different pass codes (one for arming/disarming via **g!** and a different one for arming/disarming via the Texecom panel).

3. If using Ethernet, the g! programmer will need to know the IP address and Local Port number.

If it is not possible for the Texecom engineer to be present while the driver is being configured, the **g!** programmer will need to know the UDL pass code and IP details (as configured by the Texecom Engineer) and will also need to manually name all Zones and Partitions discovered in Configurator.

g! DRIVER CONFIGURATION FOR PANEL FIRMWARE V3.X AND EARLIER

NOTE: Installers are strongly recommended to have the Texecom panel upgraded to the latest firmware (currently V5.x) as this provides improved stability and a better Elan g! user experience. Having V4 or later firmware allows all user PINs to be used and adds asynchronous notifications so that changes in panel status are reported more promptly. These instructions for V3.x and earlier are only for cases where circumstances prevent the panel from being upgraded.

In order for the discovery mechanism to work fully, it is first necessary for the Texecom engineer to configure the Texecom system so that the UDL pass code and the Engineer pass code are the same (when discovery is complete, these can be returned to their original configurations).

SET UP

In Configurator, go to the **Security** tab and add a new communication device, choosing either Serial Port or Ethernet, depending on your chosen communication method and then selecting **Standard Connection** from the Communication Type list. Where Ethernet is your chosen communication method, enter the IP address and port number of the Texecom Control Panel, or, if using Serial, select the correct COM port from the list.

Next, right click on Security Panels and choose to add a new device, selecting **Texecom Premier Elite** from the list. Ensure your newly added panel has the correct Communication Device selected and then click on the **Set Login PIN** button. In the dialog box that appears, enter the pass code given to you by the Texecom engineer. (Remember: for discovery to work fully, this code must match both the UDL code and the Engineer code.)

DISCOVERY

Before attempting discovery, ensure that that all alarms are disarmed and no error codes are present on the Texecom panel. Click on **Discover Devices**. It is essential that you wait for the discovery process to complete before performing any further tasks in Configurator, or attempting to navigate away from the Security tab. Should discovery fail, re-attempt it as the communication link to the Texecom panel can occasionally drop unexpectedly.

Once discovery is complete, the Engineer and UDL pass codes can now be reconfigured to their original values. For V3.x and earlier, the driver is only able to check the PIN entered by the user against the **Login PIN** specified in Configurator, which is the panel's UDL pass code. Due to this limitation, it is recommended that the UDL pass code be the same as the primary user's pass code so that the user does not have to remember two different codes. Choose the final UDL pass code and set the **Login PIN** in Configurator to this value.

g! DRIVER CONFIGURATION FOR PANEL FIRMWARE V4.X AND LATER

SET UP

In Configurator, go to the **Security** tab and add a new communication device, choosing either Serial Port or Ethernet, depending on your chosen communication method and then selecting **Standard Connection** from the Communication Type list. Where Ethernet is your chosen communication method, enter the IP address and port number of the Texecom Control Panel, or, if using Serial, select the correct COM port from the list.

Next, right click on Security Panels and choose to add a new device, selecting **Texecom Premier Elite** from the list. Ensure your newly added panel has the correct Communication Device selected and then click on the **Set Login PIN** button. In the dialog box that appears, enter the UDL code given to you by the Texecom engineer.

DISCOVERY

Before attempting discovery, ensure that that all alarms are disarmed and no error codes are present on the Texecom panel. Click on **Discover Devices**. It is essential that you wait for the discovery process to complete before performing any further tasks in Configurator, or attempting to navigate away from the Security tab. Should discovery fail, re-attempt it as the communication link to the Texecom panel can occasionally drop unexpectedly.

Once discovery is complete, the system is ready for use. For panels with firmware v4.x or later, the driver supports the use of any valid user PIN for arming, disarming and resetting the system. Note that after a power cycle of the Elan g! unit, the driver may take a few minutes to rebuild its database of valid user PINs, depending on how many users have been configured.

g! CONFIGURATION DETAILS

The following table provides settings used in the g! Configurator when connecting to the Texecom Control Panel. Please refer to the *Configurator Reference Guide* for more details. In the table below:

- o "<Select>"   Select the appropriate item from the list (or drop-down) in the Configurator.
- o "<User Defined>", etc.   Type in the desired name for the item.
- o "<Auto-Detect>"   This value is read from the Texecom panel. It can be changed in the Configurator if desired, although will not necessarily be updated in the Texecom system.
- o "<Defined in Security System>   This value is set in the Texecom panel, and must match the value set in the Configurator.

SECURITY SETUP:

Devices	Variable Name	Ethernet	Serial
Communication Devices	**Name**	<User Defined> (Default: **New Device**)	<User Defined> (Default: **New Device**)
	System #	<Auto Detect>	<Auto Detect>
	Type	**Ethernet / Standard Connection**	**Serial Port / Standard Connection**
	Enable Sharing	<Select from list>	<Select from list>
	Sharing Port	<Auto Detect>	<Auto Detect>
	IP Address	<User Defined>	N/A
	Port	<User Defined>	N/A
	Com Port	N/A	<Select>
	Protocol	N/A	<Auto Detect>
	Baud Rate	N/A	<Auto Detect>
	Flow Control	N/A	<Auto Detect>
	Parity	N/A	<Auto Detect>
	Data Bits	N/A	<Auto Detect>
	Stop Bits	N/A	<Auto Detect>
Security Panels	**Name**	<User Defined> (Default: **Texecom Premier Elite**)	<User Defined> (Default: **Texecom Premier Elite**)
	System #	<Auto Detect>	<Auto Detect>
	Device Type	**Texecom Premier Elite**	**Texecom Premier Elite**
	Communication Device	<Select> (Default: **New Device**)	<Select> (Default: **New Device)**
		Name Show Auto Keys	**Name Show Auto Keys**
	Disarm	**Disarm Yes NO <Select>**	**Disarm Yes NO <Select>**
	Mode 1	**Stay Yes NO <Select>**	**Stay Yes NO <Select>**
	Mode 2	**Away Yes NO <Select>**	**Away Yes NO <Select>**
Partions	**Name**	<User Defined> (Default:<Auto Detect>)	<User Defined> (Default:<Auto Detect>)
	System #	<Auto Detect>	<Auto Detect>
	Partition #	<Auto Detect>	<Auto Detect>
Zones	**Name**	<User Defined> (Default:<Auto Detect>)	<User Defined> (Default:<Auto Detect>)
	System #	<Auto Detect>	<Auto Detect>
	Zone #	<Auto Detect>	<Auto Detect>
	Enable Bypass	<Select from list>	<Select from list>

COMMON MISTAKES

Discovery Failure: Retry discovery several times. It is common for the Texecom communication link to unexpectedly drop out, and subsequently re-connect. If failure is consistent, for firmware prior to V4 ensure that the UDL pass code has been temporarily set to match the Engineer pass code and this is the code that has been entered into Configurator as the Login PIN. Also, ensure the Texecom panel is free from errors and all alarms are disarmed.