

# Quick Start Guide

## Premier Elite 24-W/48-W

INS531-3



**RICOCHET**  
mesh technology

**Texecom**  
Designed to Perform

## Introduction

Texecom has developed a new method of wireless security signalling based on the concept of mesh networking. Mesh-networking is the process whereby every single wireless device is capable of receiving and retransmitting any signal from any other wireless device on the network. The size, scalability and range of the entire system are extended as wireless signalling is no longer limited by point-to-point communications. The range of a **RICOCHET™** enabled wireless system is greater than previous systems, with multiple devices capable of relaying messages to and from even the most remote locations in a building. Each **RICOCHET™** enabled device provides signalling routes to and from Premier control panels. If the wireless communication between devices weakens, the **RICOCHET™** network 'self-heals' and automatically re-routes communications via alternate **RICOCHET™** enabled devices. The reliability of the wireless system increases as more **RICOCHET™** devices are installed. **SignalSecurity™** further enhances network reliability with each device already aware of the number of communication paths available to it.

## System Design Considerations

To ensure correct setup and operation of the Wireless Network it is important that the following procedures are used when learning and placing devices.

### Learning Devices

All devices should be learnt **before** they are placed in their final location. The expander should be in commission mode, (see page 5). This will ensure that they are registered on the receiver or control panel, and that Mesh Networks and routing are established correctly. Please refer to the relevant section in this document to Learn Devices to the system.



**NOTE** Devices should be at least 30cm's away from the receiver when being learned.

### Placing Devices

Once all of the devices have been learnt, they will need placing in their desired location, this should be done by installing devices closest to the Premier 48-W first and then working outwards so that the last devices installed are those furthest away from the control panel.

Make sure to install devices with the receiver in Commission mode. (fit commission jumper see page 5).

Devices also have a commission mode which will indicate a secure and valid path of communication to the receiver. (when the tamper circuit is closed the LED will flash to indicate communication, and then come on solid once communication has been established).



**NOTE** You should wait at least 15 minutes after installing the last device to make sure routing has been correctly established between all system devices.



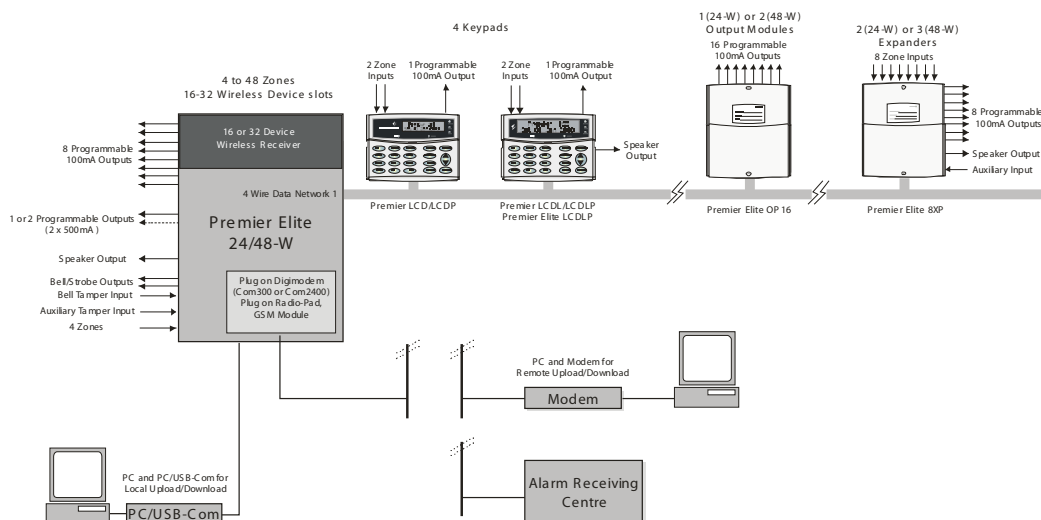
**NOTE** For maximum reliability and system integrity avoid long and thin set-ups.



**NOTE** Devices are capable of hopping through up to two other devices, or a maximum of three hops.

## System Overview

### System Architecture



## Control Panel Features

### Premier Elite 24W/48-W

- 4 Onboard Zones
- Max 16 or 32 wireless device **Ricochet™** enabled receiver onboard
- Expandable to 24/48 zones via keypads and zone expanders
- 1 x 4-wire data network (standard 7/0.2 alarm cable)
- Up to 4 keypads and 2/3 zone expanders
- Up to 2 output modules
- 2 or 4 independent areas each with 3 part arms
- 2 or 4 area arm suites
- 25 or 50 programmable User codes
- 500 Event Log (time & date stamped)
- 1 or 2 programmable panel outputs (2 x 500mA )
- 1.5 Amp power supply
- 32 Event Alarm Log
- 500 Event Mandatory Log
- 8 programmable digicom outputs (100mA each)
- 32 character zone text
- Facility for Plug-on Digimodem (Com300/2400/)
- Facility for Plug-on Paknet RP9 Radio-Pad
- Facility for Plug-on GSM Module
- Facility for Plug-on IP Module (ComIP/Chiron/WebWayOne/Emizon) or any supported device
- PC-Com/printer port

### Power Supply Ratings

| Battery Arrangement | Battery Charge | Rated Output (Amps) |
|---------------------|----------------|---------------------|
|                     |                | 12h                 |
| 1 x 7Ah             | 0.3A           | 0.433A              |

The "Rated Power" of the control panel will depend on the size of the standby battery, standby time and the installation grade:

| EN50131-1              | Grade 1        | Grade 2        |
|------------------------|----------------|----------------|
| Minimum Standby Period | 12h            | 12h            |
| Maximum Recharge Time  | 72 Hrs         | 72 Hrs         |
| <b>PD6662</b>          | <b>Grade 1</b> | <b>Grade 2</b> |
| Standby Period         | 12 Hrs         | 12 Hrs         |
| Maximum Recharge Time  | 72 Hrs         | 72 Hrs         |

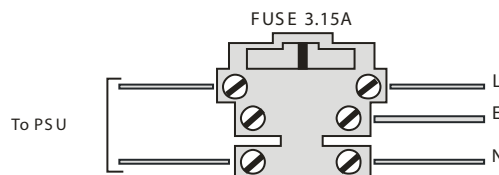
### Connecting AC Mains

The AC Mains supply is connected to a 3 way 'Euro Type' fused terminal block, which is fitted with a 3A - 3.15A slow/medium blow fuse.



**NOTE** All other wiring **MUST** be carried out before AC mains is connected to the control panel.

After connecting the AC Mains, fit the mains cover, this can be found in the spares bag.



## Installation

This manual is a quick start guide and details how to learn **Ricochet™** devices to the system, full programming details for all other system features and functions can be found in INS176-X contained on the enclosed CD.

### Installation Sequence

Before attempting to install the alarm system, read this section. Once you have an overall understanding of the installation sequence, carefully work through each step.

#### 1: Design the Layout

Make a rough sketch of the premises to get an idea of where the alarm detection devices, keypads, zone expanders etc. are to be located.

#### 2: Mounting the Panel

The control panel should be mounted in a dry area close to an unswitched AC power source and the incoming telephone line (if using a communicator).



**NOTE** You must complete all wiring before connecting the battery or applying AC mains to the control panel.

#### 3: Install the Keypads and Zone Expanders

Mount and connect the keypads, zone expanders and output modules to the control panel.



**NOTE** If using a hardwired expander in addition to the wireless devices, numbering should start at address 2.

#### 4: Install the External Sounder

Install the external sounder and connect to the control panel.

#### 5: Other Wiring

Complete all other wiring including speakers, telephone line and output connections etc.

#### 6: Applying Power to the Control Panel

Once steps 1 to 5 are completed, power can be applied to the control panel.

When applying power for the first time, the factory default settings must be loaded. Power should always be connected in the following order:

- Connect the red battery lead to the positive terminal of the battery and then connect the black battery lead to the negative terminal



**NOTE** The panel will only become 'live' when the AC Mains is connected or the 'Battery Kick-start' button is pressed.

- Connect the AC mains

For a complete list of factory default settings, see the **Premier Quick Reference** supplied with your panel.

#### 8: Learn Ricochet™ Devices

Learn devices to the system and place them in their desired location.

#### 9: Programming the Control Panel

Please refer to INS176 for instructions on programming the control panel.

#### 10: Testing the System

Test the system thoroughly to ensure that all features and functions operate as required.

## Control Panel

### Mounting

Mount the control panel on a flat, plumb wall using at least three screws of appropriate size.



**NOTE** It is essential to ensure that none of the fixing slots or cable entries are accessible after fixing.



**NOTE** Mains cabling must be secured (e.g. with a cable tie) to one of the anchor points provided.

### Wiring the Control Panel

## WARNING: ELECTRICITY CAN KILL

**BEFORE connecting the control panel ALWAYS disconnect the supply at the consumer unit.**  
**If in ANY doubt consult a qualified electrician.**



**IMPORTANT SAFETY INFORMATION. HAZARDOUS VOLTAGES INSIDE, NO USER SERVICEABLE PARTS, NO USER ACCESS.**



**NOTE** ONLY connect the mains supply to the mains terminal block, NEVER connect the mains supply directly to the PCB.

ALWAYS refer to National Wiring Regulations when conducting installation.

An appropriate and readily accessible disconnection device (e.g. an unswitched fused spur) MUST be provided as part of the installation.

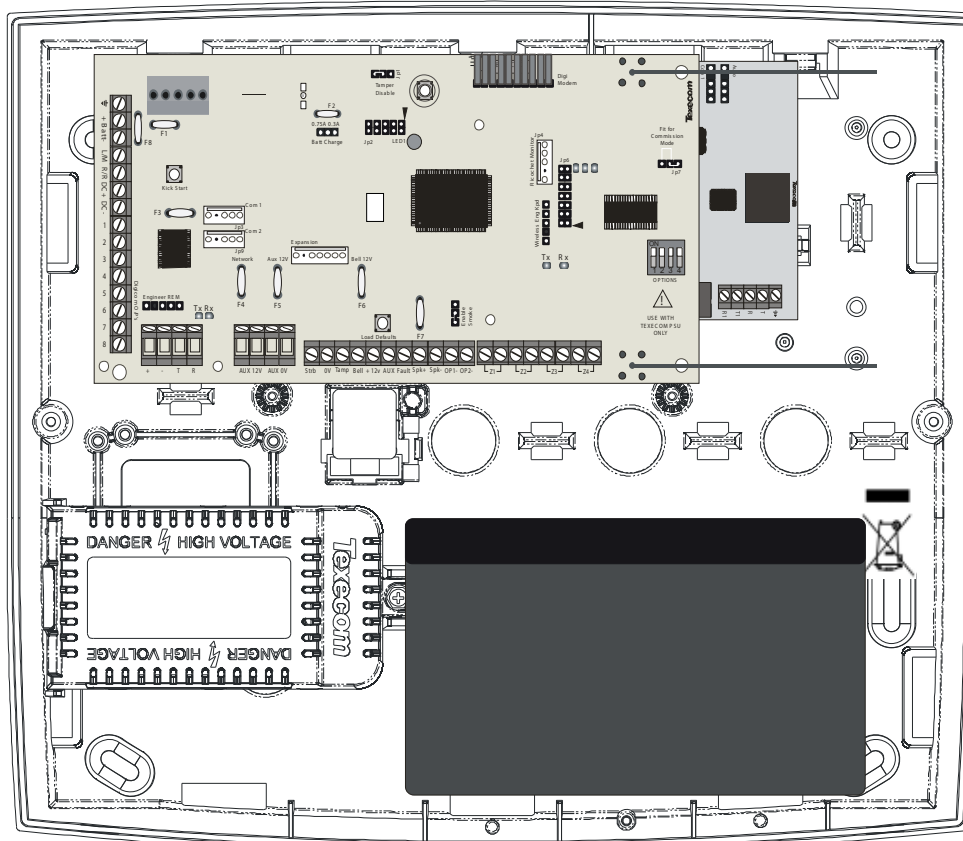
The disconnection device must NOT be fitted in a flexible cord.

Where identification of the neutral in the mains supply is NOT possible a two-pole disconnection device MUST be used.

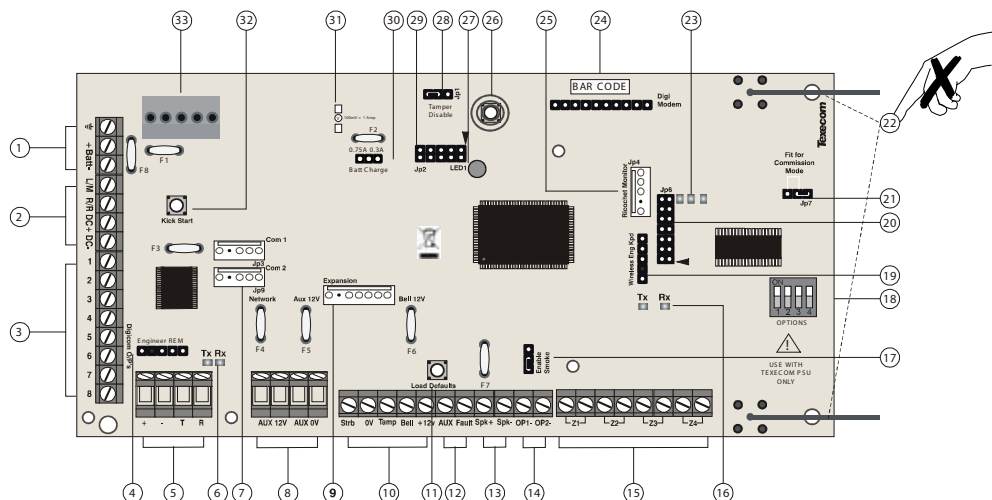
The building mains supply MUST incorporate appropriate short-circuit backup protection (e.g. a fuse or circuit breaker) of High Breaking Capacity (HBC, at least 1500A).

Use mains cable of adequate carrying capacity for the rated current (i.e. at least 0.75mm<sup>2</sup>).

## Control Panel Layout



## PCB Layout



### 1: Battery Connections

A 12V rechargeable battery must be connected to these terminals in order to provide continuous system operation in the event of an AC Mains failure. (protected by 1.6 Amp PTC Fuse)

### 2: Digicom Power & Inputs

These terminals provide un-fused power; remote reset and line fault inputs and are normally used for connecting a stand-alone communicator to the control panel.

### 3: Digicom Outputs

Outputs 1 to 8 are low current (100mA '-ve' applied) and would normally be used when connecting a stand-alone communicator to the control panel. Each output is fully programmable.

### 4: Engineers Keypad

A portable Engineers keypad can be plugged on here to allow easier access for programming and testing.



**NOTE** When using a keypad as an Engineers keypad, the address must be set to '10'. The keypad zones and lid tamper are not monitored.

### 5: Network Data Connections

Network 1 provides connection for the keypads and zone expanders. The '+' and '-' terminals provide power whilst the 'T' transmits data and 'R' receives data.

### 6: Network Data Indicators

The red LED indicates that data is flowing out of the control panel and normally flashes very quickly. The green LED indicates that data is flowing into the control panel and normally flashes slowly, the green LED flashes faster as more devices are connected.

### 7: Communication Ports

**Com Port 1** is a serial communications port and can be used for connecting a PC running *Wintex* or any supported serial device to the control panel.

**Com Port 2** is a serial communications port and can be used for connecting a PC running *Wintex* or any supported serial device to the control panel.

### 8: Auxiliary 12V Power

These terminals are for connecting devices that require 12V power (protected by a 0.9A PTC fuse).

### 9: Expansion

The Expansion Port can be used for connecting a 60XiD Zone Expander or an AV Module.

### 10: External Sounder Connections

These terminals are used for connecting to an external sounder unit.

### 11: Load Defaults Button

Press and hold this button whilst applying power to the control panel to load the factory default settings. Press and hold this button for 7 seconds with power already on the panel to restore just the Engineer code to the factory

setting of **1** **2** **3** **4**.



**NOTE** Loading the factory defaults can take up to 60 seconds to complete.

Loading defaults will only be possible if the NVM has not been locked.

For a complete list of factory defaults, see the **Premier Quick Reference** supplied on the enclosed CD.

### 12: Auxiliary Tamper/Fault Connections

These terminals can be used for monitoring the tamper loop of an auxiliary device.

### 13: Loudspeaker Connections

These terminals can be used for connecting up to one 8Ω or two 16Ω loudspeakers.

### 14: Panel Outputs

Outputs 1 & 2 are 500mA '-ve'. These outputs are all fully programmable.



**NOTE** Output 2 is not programmable on the 24-W

### 15: Zone Connections

4 Fully programmable zone inputs

### 16: Ricochet™ Network LED's

Green LED = Data received by the expander from the panel Red LED = Data transmitted by the expander to the panel. (The flash rate depends on the mode and RF activity)

### 17: Enable 2 wire smoke

Panel Output 1 can be used for connecting up to 10, 12V 2-Wire smoke detectors.

### 18: Options Switch

Use to select the receiver functionality.

Switch 1 OFF = not used on Premier Elite 24/48-W.

Switch 2 OFF = Premier Elite 24/48-W **RICOCHET™** Mode  
ON = Not Used

Switch 3 ON = Impaq Contact-W Wired Input 2 will report as Tamper (default)  
OFF = input 2 will report as an Alarm.

Switch 4 OFF Walk test (see page **Error! Bookmark not defined.**)

### 19: RICOCHET™ Eng keypad connection

An engineer's keypad (Premier LCD keypad and interface lead) can be temporarily plugged onto this connector to allow system programming and testing. Set the keypad address switches to all ON.

### 20: RICOCHET™ Firmware Flash Port

Connections for flasher interface to update **RICOCHET™** receiver firmware. (factory function only)

### 21: Commission Mode Jumper

Fit when learning and placing devices, remove once complete.

### 22: Antenna

RF antenna (1 on 24-W 2 on 48-W)

**23: RF LED's**

Left = RED Transmit, Middle = GREEN Receive, Right = RED Wireless Network Tick.

**24: Plug-on Communicator Connections**

This socket provides connection for *Premier COM300/COM2400* plug-on communicators via the lead provided.

**25: Ricochet™ Comm. Port Connection**

Serial communications port for connecting to a PC via PC Com/USB Com or Com IP for use with **RICOCHE™ Monitor** Software.

**26: Cover Tamper**

Provides tamper protection for the control panel.

**27: Heartbeat LED/Power Light**

Flashes steadily to indicate that the control panel is functioning correctly. If the light is ON or OFF all the time, then there could be a problem.

**28: Cover Tamper Disable**

Disables the lid tamper

**29: Flash Programming Port**

For upgrading the panel firmware.

**30: Battery Charge Selection**

Select .03A or 0.75A battery charging current

**31: Current Reading Pads**

To calculate the current draw of the control panel, measure the voltage across the two pads and multiply by 10 i.e. Reading = 34mV (x10) = 340mV = 340mA.

**32: Battery Kick-start Button**

When powering up the panel without AC Mains present, this button must be pressed in order to connect the battery. If AC Mains is present this button does not need to be pressed.

**33: Power Supply Connection**

Only for use with the Texecom PSU.

DO NOT CONNECT ANY OTHER MAINS SUPPLY TO THESE TERMINALS

**PTC Protection Fuses**

The following fuses are provided:

**F6** PTC (0.9A) Auxiliary 12V Power fuse

**F4** PTC (0.9 A) Network 1 fuse

**F5** PTC (0.9 A) Bell/Strobe fuse

**Ricochet MT2**

The **Premier Elite Series™** of control panels have been upgraded to V2.xx firmware which now contains **Ricochet™ MT2** capability. This new technology adds additional features and functions for **Ricochet™** enabled security systems. The Expanders used must be **Premier Elite** XP-W V2.xx. The details of this addendum apply only to those changes.

This addendum should be used in conjunction with the **Premier Elite Series™** installation manual INS176-8 or later, and INS467-4 or later.

**Multiple Expander Support**

It is now possible to add multiple expanders to the system allowing for greater flexibility in system design, and also taking wireless capability to new levels. Additional device modes and diagnostics functions also give more information about the system status, and allow greater control over devices modes of operation.

**Control Panel Capacity**

The table below details the maximum number of expanders, devices and **Premier Elite SmartKey™** that may be used on the different control panels, other configurations may be possible.

| Panel                      | 32XP-W (*Onboard) |         |                                | 8XP-W     |         |                                |
|----------------------------|-------------------|---------|--------------------------------|-----------|---------|--------------------------------|
|                            | Expanders         | Devices | <b>Premier Elite SmartKey™</b> | Expanders | Devices | <b>Premier Elite SmartKey™</b> |
| <b>Premier Elite 24-W™</b> | 1*                | 16      | 16                             | N/A       | N/A     | N/A                            |
| <b>Premier Elite 48-W™</b> | 1*                | 32      | 16                             | 3         | 32      | 50                             |



*Premier Elite 32XP-W take 4 address slots on the network, Premier Elite 8XP-W take one address*



*DO NOT mix V1 & V2 expanders on the same system.*

**System Requirements**

To enable all of the advanced functionality and diagnostics capability of the V2 upgrade the following are minimum requirements:-

- **Wintex™** Version 6 Build 16 or later
- **Ricochet Monitor™** 0.2.15.00 or later
- **Premier Elite™ Series** V2.xx or later
- **Premier Elite™ 32XP-W & 8-W** Expanders V2.xx or later

**System Design Considerations**

When using multiple expanders great care should be taken when designing the system. Each expander should be treated as its own wireless network; it is not possible for devices to hop from one wireless network to the other, it is also not possible for expanders to pass wireless signals from devices not assigned to them and nor can the expanders talk to each other.

**Learning Devices**

All devices should be learnt **before** they are placed in their final location. The expander should be in commission mode, (see INS467 for details). This will ensure that they are registered on the receiver or control panel, and that Mesh Networks and routeing are established correctly. Please refer to the relevant section in this document to Learn Devices to the system.



*Devices should be at least 30cm's away from the receiver when being learned.*

**Learning Premier Elite SmartKey™**

Premier Elite SmartKey™ should be learned AFTER all other systems devices and expanders have been learned and setup, this will ensure you can choose the correct routeing for the **Premier Elite SmartKey™** and that it will function in the correct areas of the premises

**Expander Addressing****Introduction**

The address range and switch position will depend on which combination of expanders are being used. Each 32XP-W takes up 4 address slots on the control panel network, however the network slots are virtual until devices are assigned to available zones. It is possible that if a 32XP-W is being used at Address 1, but only 16 devices have been used, Address 3 & 4 are available for hardwired 8XP's or 8XP-W's.

Please see below some examples of mixing different types of Expanders on various Elite panels and the addressing requirements.

**Premier Elite™ 48-W, + 8XP's**

| Panel                                | Network 1         |         |
|--------------------------------------|-------------------|---------|
|                                      | Expanders (Mixed) |         |
| <b>Premier Elite 48™</b>             | 32XP-W            | 2 x 8XP |
| Expander Address                     | 1                 | 5 & 6   |
| Devices Used                         | 16                | 16      |
| <b>Premier Elite SmartKey™ (Max)</b> | 16                | N/A     |

**Devices****Introduction**

The firmware upgrade now requires that **Ricochet™** devices are learned through the Zone Setup Menu, and **Premier Elite SmartKey™** are learned through the User Setup menu, the "Configure Radio" menu in Engineer's Utilities is now redundant and should not be used.

## Learning Devices

To learn a device to a Zone select the Zone from the Zone Setup Menu, Zones that are capable of having a **Ricochet™** device learnt to them will be displayed as follows:-

Zone 009 XP01.01  
Not Used

Fig 1

Fig 1 indicates the pre-assigned zone number, the expander being used and the device slot on the expander.

Once a device has been learnt the display will be as Fig 2:-

Zone 009 Learn:  
PIR XP-W01.01

Fig 2

If you are unsure if a zone already has a device learnt to it, you can go to the menu as in Fig 1, press **(Reset)** and then **(No)** if a device is already learnt the display will look like Fig 2, if not then it will look like Fig 3

Zone 009 Learn:  
Free XP-W01.01

Fig 3

Please see the diagram on the next page to learn devices.

## Deleting Devices

To delete devices from the expander is the same as learning them; choose the zone you wish to delete, and follow the procedure to learn the device, when the screen shows "Learning" press **(Reset)**.

## Device Modes of Operation

### Always Awake

This mode should only be used on devices which are required to signal at all times and is the default setting for the **Impaq Contact-W** and **Impaq Plus-W**.

### Auto Mode

When in Auto Mode, devices poll at 15 minute intervals. Following activation, devices will not transmit the same activation again for a period of 3 minutes.

### Hybrid Mode

Hybrid mode is used to control the reporting functions for devices. When in the mode devices are asleep when the system is set, and are woken up by the control panel at the point of arming. When the system is disarmed the devices will be put back to sleep. This mode of operation is the default mode for **XT-W**, **QD-W** & **DT-W**.



On very large systems (100 devices +) a small delay may be experienced when arming the system, this is normal as the expanders on the system wake up the relevant devices.



Premier Elite DT-W should ALWAYS be used in Hybrid mode, failure to do this will have an adverse affect on battery life.

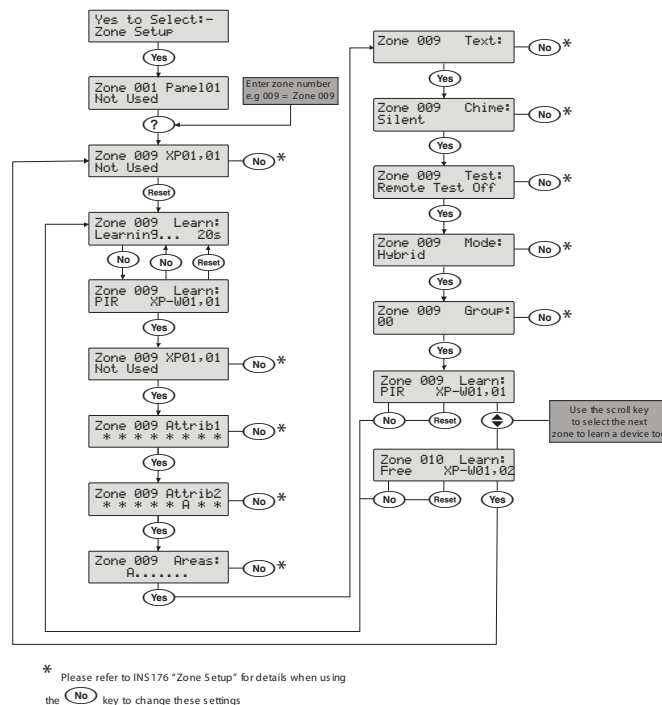
## Expander O/P Mode

Expander O/P modes are for future use and should not be used with any of the devices listed above.

## Zone Types & Attributes

These are all the same as before and detailed instructions for programming can be found in INS176-8 or later.

## To Learn Devices please follow the diagram



## Premier Elite SmartKey™

### Introduction

**Premier Elite SmartKey™** are now learnt and all functionality managed through the "Setup Users" Menu.

**Ricochet™ MT2** and **Premier Elite Series V2** firmware upgrades add additional capabilities to the management of **Premier Elite SmartKey™**. In multiple expander systems it is now possible to choose which zones (and therefore expander) the **Premier Elite SmartKey™** will use for its routing, LED and Aux functions can also be changed within the "Setup Users" menu.

All users on the system can have a **Premier Elite SmartKey™** a TAG and a code, or any combination of them.

This addendum only deals with **Premier Elite SmartKey™** learning and routing, all other user programmable options can be found in INS176-8 **Premier Elite Series Installation Manual** or later.



Great care should be taken when using large numbers of **Premier Elite SmartKey™**, only one **Premier Elite SmartKey™** per expander can be used by the system at any one time, and on Multiple expanders systems, or large sites, functionality should be checked in all areas of the site where the device may be used.

## Premier Elite SmartKey™ Routing

**Premier Elite SmartKey™** should only be learned to the system AFTER all devices have been learned and placed in their final location. Whilst it is possible to learn at any point during the programming of the system, learning and testing the functionality of the **Premier Elite SmartKey™** after all devices have been placed will ensure that the **Premier Elite SmartKey™** performs as expected, and works in locations where the user would expect it too.

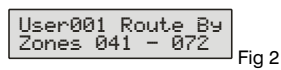
### Route By

The Route By function allows you to select which Zones (and therefore expander) the **Premier Elite SmartKey™** will use on the system for its routing. This should be selected BEFORE the device has been learned.

In the examples below Fig 1 shows the zones associated with Expander 1, which is a 32XP-W, and Fig 2 shows Expander 2 which is also a 32XP-W, when using 8XP-W there will obviously be less devices that the **Premier Elite SmartKey™** can use.

User-001 Route By  
Zones 009 - 040

Fig 1



The **Area** key is used to select this menu and the **Expander** key used to select which expander and associated zones will be used

Once a **Premier Elite SmartKey™** has been learned the **Area** key will show which zones are being used for routing. It is not possible to alter this once learned. To change the routing the **Premier Elite SmartKey™** should be deleted and the process started from the beginning.

LED & Aux Functions

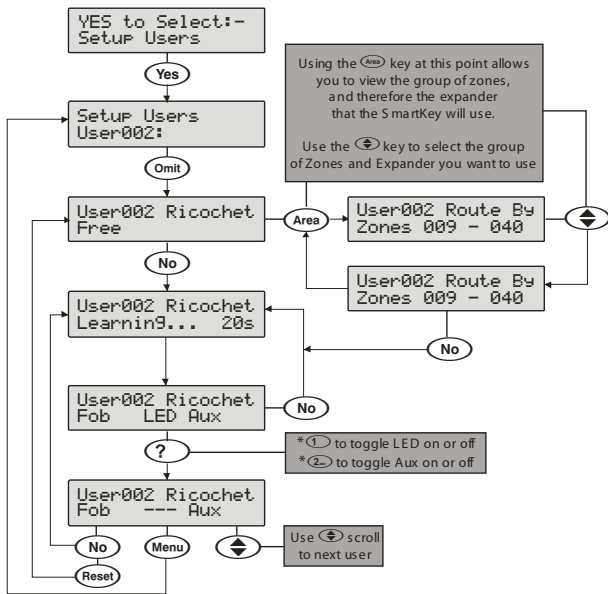
Please refer to INS467 for details of the LED & Aux functions.

Deleting a Premier Elite SmartKey™

Deleting the **Premier Elite SmartKey™** from the user is a similar process to learning, at the appropriate point in the menu press **No** followed by **Reset**, the **Premier Elite SmartKey™** will be removed from the User. To delete all user data see INS176-8 or later.

Please see the diagram on the next page which details the process used to choose routing and learn **Premier Elite SmartKey™** to users.

Learning Premier Elite SmartKey™



\* Please refer to INS 467 "Premier Elite SmartKey" for further details on the LED & Aux functions.

NOTE Once the 16 slots on a XP-W are taken up, the learn process will fail and display 'No spaces left'.

NOTE In either of the **Premier Elite SmartKey™** menu displays, any **Premier Elite SmartKey™** that logs onto the system will cause the menu to change to that **Premier Elite SmartKey™** - a handy way of finding out which user a **Premier Elite SmartKey™** in your hand belongs to!

Ricochet™ Diagnostics

Engineer Utilities now includes a new Ricochet™ Diagnostics menu. This menu displays information about the live system, and is split into **Premier Elite SmartKey™** and **Ricochet™** devices via Zones and Users.

Devices

For Devices the following information can be viewed:-

- Routing
- RSSI
- Alarms and Status
- Device visibility
- Time since last message

Premier Elite SmartKey™

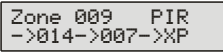
For Premier Elite SmartKey™ the following information can be viewed:-

- Routing
- RSSI
- **Premier Elite SmartKey™** Button
- Status

Interpreting Keypad Displays

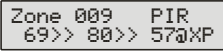
Routing

The image below shows that Zone 009 is routing through 14 and then 7 to the expander, for Premier Elite SmartKey™ this may vary depending on where & when the reading is taken. If question marks appear in the display it means the information is not available.



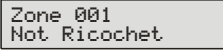
RSSI

Each value in the image below represents the RSSI levels in dBm at each of the hops. If question marks appear on the display it means the information is not available.

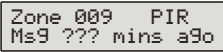


NOTE If question marks appear it could be because either the system has just been powered up and information has not been collected yet, or on large systems the information is not in memory. To populate the display activate the device and the information should appear.

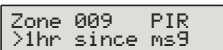
Device Messages



The chosen zone does not have a Ricochet device learned to it.



This display shows the last time the device communicated this represents the last message and could be a poll, activation or tamper etc.....

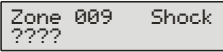


This display is a warning showing that the last communication from the device was over an hour ago.



This display shows that no message has been received yet, this would normally be seen on a recently powered up system, wait 15 minutes from power up before checking the diagnostics information.

Signal Security™



This display shows information relating to signal security on an 8XP-W. 4 windows are available to show information; each window represents two devices, (Odd & Even device slots). Each window could show any of the information detailed in the table below.

|   |                                                      |
|---|------------------------------------------------------|
| ? | No information is available                          |
| - | The chosen device cannot "see" either of the devices |
| O | The chosen device can see the ODD device(s)          |

|   |                                              |
|---|----------------------------------------------|
| E | The chosen device can see the EVEN device(s) |
| B | The chosen device can see BOTH devices       |

### Example

Zone 009 Shock  
\_OEB

In this example Zone 9 can see the devices as detailed below, use the scroll key to view information about other devices:-

| Display | O |   |   | E |   |   | B |   |
|---------|---|---|---|---|---|---|---|---|
| Device  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Can see | x | x | ✓ | x | x | ✓ | ✓ | ✓ |



On the 32XP-W there are 16 windows to show information from the 32 devices of the system; the format is the same.

### Device Status

Zone 009 Shock  
Status: aaaSfdtt

| Secure/OK | Active/Fault | Type             |
|-----------|--------------|------------------|
| a         | A            | Mag1             |
| a         | A            | Mag2/Sho         |
| a         | A            | Reed/PIR         |
| s         | S            | Poll/Supervision |
| p         | P            | Power/Battery    |
| d         | D            | Device           |
| t         | T            | Rear             |
| t         | T            | Front            |

### Premier Elite SmartKey™ Messages

User000 Ricochet  
Not Ricochet

The chosen user does not have a **Premier Elite SmartKey™** associated with them.

User002 Ricochet  
Not connected

The **Premier Elite SmartKey™** is not switched on

User002 Ricochet  
Lo9on Bat OK

Shows the battery is OK and the fob has logged onto the system.

User002 Ricochet  
Partarm Bat OK

User002 Ricochet  
Disarm Bat OK

User002 Ricochet  
Fullarm Bat OK

Shows the different messages displayed when the relevant buttons are pressed.

User002 Ricochet  
Aux? Bat OK

Shows which Aux button has been pressed when in Function Mode.

User002 Ricochet  
Panic Bat OK

Shows the Panic function has been activated

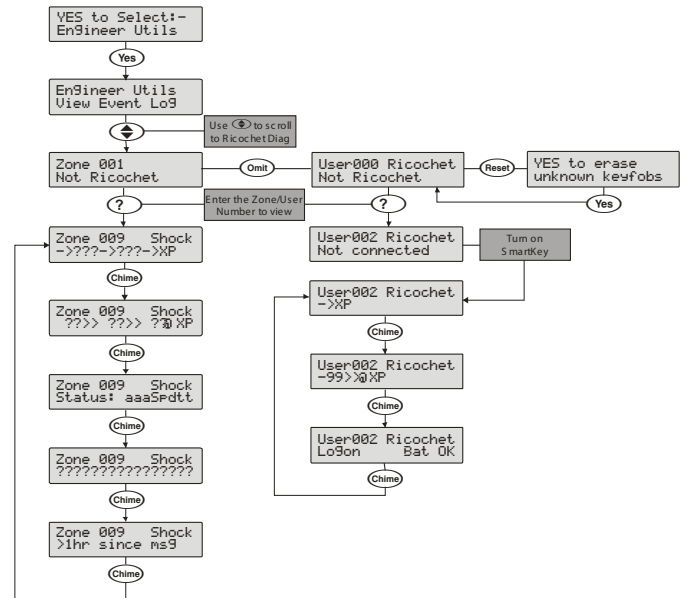
YES to erase  
unknown keyfobs

Use this option **ONLY** if the panel has been replaced and not all **Premier Elite SmartKey™** are recognised by the new panel, or if the error tone is heard when learning new Premier Elite SmartKey™.



This option **DOES NOT** remove known Premier Elite SmartKey™, use the Delete option in Setup Users.

### Ricochet Diagnostics Menu



## Wintex Changes

Several changes have been made to **Wintex™** to accommodate the new **Ricochet™ MT2** technology, and the panel firmware upgrade. **Wintex™** can now act as a server for **Ricochet Monitor™**. This allows for a single connection to the control panel to view data in both Wintex & Ricochet Monitor.



When connected to **Ricochet™** Monitor through **Wintex™**, all **Wintex™** operations are suspended.



When using **Ricochet™** Monitor through **Wintex™** care should be taken regarding the method used to connect. There may be a significant loss of performance when trying to view **Ricochet™** Monitor over PSTN or GSM connections. Local, GPRS and IP connections are recommended.

### Account Information

#### Panel Details

Two new tick boxes have been added

- Include All Radio Config when Sending Data
- Include All Ricochet Config when Sending Data

These two boxes are only relevant for SENDING data back to the panel, by default they are switched of as all data can be RECEIVED from the panel.

- ☒ Include Zone Text on Send/Receive
- ☒ Include All Zones on Send/Receive
- ☒ Include All Radio Config when Sending Data
- ☒ Include All Ricochet Config when Sending Data

### Setup

#### Modem and Settings Information TCP/IP

On this Tab a new option has been added for **Ricochet™** Monitor to define the Port number used to connect to **Ricochet™** Monitor. This number must be the same as the one used in **Ricochet™** monitor for the site you are connecting to, and the enabled box must be ticked.

Ricochet Monitor Connection

Local Port:

Enabled: ☒

## Zone Details

### Zone List

Each Ricochet zone shows the zone number, expander and device slot being used.

|     |          |              |             |
|-----|----------|--------------|-------------|
| 008 | Panelzo  | Not used     | A . . . . . |
| 009 | XP01.D01 | Entry/Exit 1 | A . . . . . |
| 010 | XP01.D02 | Not used     | A . . . . . |

The wiring type information on the main screen is replaced with the device mode.

|                 |
|-----------------|
| Double Pole/EOL |
| Always Awake    |
| Double Pole/EOL |

### Ricochet Device Mode

The wiring type dropdown box is replaced by a **Device Mode** dropdown box.

Ricochet Device Mode

Always Awake

### Ricochet™ Device Type

The **Ricochet™** Device type is shown at the bottom of the page.

Ricochet Device Type

Shock

### Premier Elite SmartKey™

**Premier Elite SmartKey™** is shown on the User page. For each User who is assigned a **Premier Elite SmartKey™** the following will be shown detailing the expander it is learned to, the slot it occupies and the status of the LED and Aux functions.

User Type: Standard

Prox. Tag: 209725

Ricochet Keyfob: Fob (XP05,01): LED Aux

### Ricochet Monitor Launch & Connect

A new button has been added to **Wintex™** to launch and connect to **Ricochet™** Monitor. The button will only work when you are connected to the control panel through **Wintex™**.

#### Not Connected to Panel



#### Connected To Panel



#### Connected to Panel & Ricochet Monitor



### Ricochet™ Monitor

**Ricochet™** Monitor now connects to **Wintex™** using the "localhost" connection and the port number used in the "Connection Setup" menu of Wintex detailed on the previous page. The default port number is 10010.



You must be connected to the panel with Wintex before this function will work.

## Connection Details

Host Address  
localhost

Port  
10010

### Connecting to Ricochet™ Monitor

#### Using the "QuickConnect" button in Wintex™

Once connected to the panel via Wintex™ you can use the "QuickConnect" button as detailed on the previous page.

### Launching Ricochet™ Monitor and connecting

Launch the programme and click on the "Connect" button.

Demo
Cancel
Connect

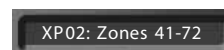
### Expander Selection

Once connected you will be able to select which expander you want to view information from with the new Expander Selection pane. This pane will show all of the available expanders by showing a raised button. Simply click on the expander you wish to view the details and devices on, the button will be depressed and green.

In the below example two expanders are available, and expander 1 has been selected to view.



Additionally information about the expander is shown when you hover over its button.



### Device Information

The device information window now shows the expander information, the device slot the zone number and any text associated with the zone. The current status of the device is also shown including whether the device is "Awake" or "Asleep".



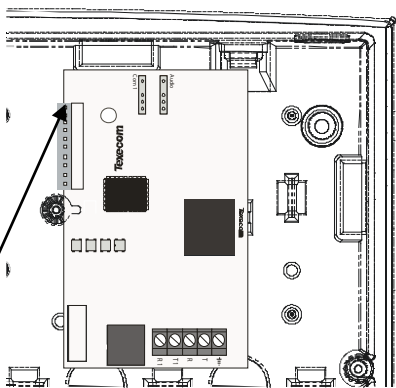
### Premier Elite SmartKey™ Information

The **Premier Elite SmartKey™** information window has changed, the expander and device number is shown, and the User number and Name if programmed are also shown.



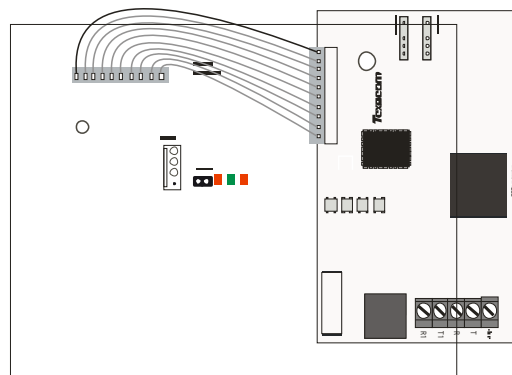
## Premier Elite COM300/COM2400

Carefully lift the control panel PCB and fix the COM unit into the space provided with the connection lead attached.



The red lead should be positioned on the uppermost pin of the COM unit.

The control panel end of the connector should be attached with the red lead on the left most pin of the digi modem connector.



Programming requirements for the COM unit can be found in the **Premier Elite** installation manual INS176. The red lead should be positioned on the uppermost pin of the COM unit.

## Specifications

|                                                                                                                                                                    |                                                            |                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|
| Power supply                                                                                                                                                       |                                                            |                                                             |
| Power Supply Type                                                                                                                                                  | Type A                                                     |                                                             |
| Mains Supply Voltage:                                                                                                                                              | 220V-240V@50Hz 220mA                                       |                                                             |
| Maximum Current Rating                                                                                                                                             | 1.5A                                                       |                                                             |
| Output Voltage Range                                                                                                                                               | 13Vdc +/- 2%                                               |                                                             |
| Ripple                                                                                                                                                             | 0.5V pk-pk                                                 |                                                             |
| Maximum rating of Outputs                                                                                                                                          | Aux 12V<br>Bell/Strobe<br>Network 1<br>Battery<br>DC+/-DC- | 1A<br>1A<br>1A<br>1.6A<br>0.9A                              |
| <div> These are not considered "independent outputs" according to EN50131-6</div> |                                                            |                                                             |
| Electrical                                                                                                                                                         |                                                            |                                                             |
| Current Consumption                                                                                                                                                |                                                            |                                                             |
| Standby                                                                                                                                                            |                                                            | <150mA                                                      |
| Alarm (with speaker)                                                                                                                                               |                                                            | <175mA                                                      |
| Fuses                                                                                                                                                              |                                                            |                                                             |
| Mains                                                                                                                                                              |                                                            | 3A - 3.15AmA,slow/medium blow                               |
| Battery                                                                                                                                                            |                                                            | 1.6A, 250V PTC                                              |
| Auxiliary                                                                                                                                                          |                                                            | 900mA, 250V PTC                                             |
| Bell                                                                                                                                                               |                                                            | 900mA, 250V PTC                                             |
| Network 1                                                                                                                                                          |                                                            | 900mA, 250V PTC                                             |
|                                                                                                                                                                    |                                                            |                                                             |
| Rechargeable Battery Capacity                                                                                                                                      |                                                            | 1.2Ah to 7Ah Maximum recharge time 72h                      |
| Battery Low Voltage Signal                                                                                                                                         |                                                            | 9.5V                                                        |
| Power Output Fault Signal                                                                                                                                          |                                                            | 10.5V (mains present)                                       |
| Deep Discharge Protection                                                                                                                                          |                                                            | 8.1V                                                        |
| Over Voltage Protection Trigger                                                                                                                                    |                                                            | 16V                                                         |
| Remote Keypads                                                                                                                                                     |                                                            | Up to four                                                  |
| Expanders                                                                                                                                                          |                                                            | 2 or 3 8XP                                                  |
| Output Modules                                                                                                                                                     |                                                            | 2                                                           |
| Zones                                                                                                                                                              |                                                            | 4 expandable to 24 or 48                                    |
| Panel Outputs                                                                                                                                                      |                                                            |                                                             |
| 8 @                                                                                                                                                                |                                                            | 100mA switched to 0V                                        |
| PGM X 2 ( 1 programmable only on 24-W)@                                                                                                                            |                                                            | 500mA switched to 0V                                        |
| Speaker Output                                                                                                                                                     |                                                            | Minimum load 8Ω                                             |
| Network                                                                                                                                                            |                                                            |                                                             |
| +                                                                                                                                                                  |                                                            | +12V Power                                                  |
| -                                                                                                                                                                  |                                                            | 0V Power                                                    |
| T                                                                                                                                                                  |                                                            | Transmitted Data                                            |
| R                                                                                                                                                                  |                                                            | Received Data                                               |
| Environmental                                                                                                                                                      |                                                            |                                                             |
| Operating Temperature                                                                                                                                              |                                                            | -10°C (+14°F) to<br>+50°C (+132°F)                          |
| Storage Temperature                                                                                                                                                |                                                            | -20°C (-4°F) to<br>+60°C (+140°F)                           |
| Maximum Humidity                                                                                                                                                   |                                                            | 95% non-condensing                                          |
| EMC Environment                                                                                                                                                    |                                                            | Residential<br>Commercial<br>Light Industrial<br>Industrial |
| Physical                                                                                                                                                           |                                                            |                                                             |
| Dimensions                                                                                                                                                         |                                                            | 260mm (h) x 300mm (w) x 85mm (d)                            |
| Material                                                                                                                                                           |                                                            | ABS                                                         |
| Battery Compartment                                                                                                                                                |                                                            | Up to t one 12V 7Ah battery                                 |
| Packed Weight                                                                                                                                                      |                                                            | 1.8 Kg (approx)                                             |

## Standards



2004/108/EC (CE directive): Hereby, Texecom declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 2004/108/EC.

**WEEE Directive:** 2002/96/EC (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: [www.recyclethis.info](http://www.recyclethis.info).

**RoHS Directive:** 2002/95/EC RoHS Compliant. Hereby, Texecom declares that this device does not contain lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE) in more than the percentage specified by EU directive 2002/95/EC, except exemptions stated in EU directive 2002/95/EC annex.

This product is a Type B Moveable device and is suitable for use in systems designed to comply with EN 50131-1, EN50131-3, EN50131-5-3 and PD6662 at Grade 2 and Environmental Class II.

| EN Standard         | Premier 24-W/48-W | Premier SmartKey™ | Prestige XT/QD-W | Impaq plus-W<br>Impaq Contact -W |
|---------------------|-------------------|-------------------|------------------|----------------------------------|
| EN60950-1           | ✓                 | ✓                 | ✓                | ✓                                |
| EN61000-6-3         | ✓                 | ✓                 | ✓                | ✓                                |
| EN 301 489-3        | ✓                 | ✓                 | ✓                | ✓                                |
| EN50130-4 A1: + A2: | ✓                 | ✓                 | ✓                | ✓                                |
| EN300 220-1         | ✓                 | ✓                 | ✓                | ✓                                |
| EN50131-1           | ✓                 | ✓                 | ✓                | ✓                                |
| EN50131-2-2         |                   |                   | ✓                |                                  |
| EN 50131-2-6        |                   |                   |                  | ✓                                |
| EN50131-3           | ✓                 | ✓                 |                  |                                  |
| EN50130-5           | ✓                 | ✓                 | ✓                | ✓                                |
| EN50131-5-3         | ✓                 | ✓                 | ✓                | ✓                                |
| EN50131-6           | ✓                 | ✓                 | ✓                | ✓                                |
| PD6662              | ✓                 | ✓                 | ✓                | ✓                                |

## Warranty

All Texecom products are designed for reliable, trouble-free operation. Quality is carefully monitored by extensive computerised testing. As a result the *Premier Elite 24/48-W* is covered by a two-year warranty against defects in material or workmanship.

As the *Premier Elite 24/48-W* is not a complete alarm system but only a part thereof, Texecom cannot accept responsibility or liability for any damages whatsoever based on a claim that the *Premier Elite 24/48-W* failed to function correctly. Due to our policy of continuous improvement Texecom reserve the right to change specification without prior notice.

*Premier* & *Premier Elite* are trademarks of Texecom Ltd.

*SmartKey* is a trademark of Texecom Ltd.

*Ricochet* is a trademark of Texecom Ltd.

*SignalSecurity* is a trademark of Texecom Ltd.

© TEXECOM LTD 2013

# Texecom

## Designed to Perform

Texecom Limited, Bradwood Court, St. Crispin Way, Haslingden, Lancashire BB4 4PW, England.

## Technical Support:

UK Customers Tel: 08456 300 600

(Calls charged at local rate from a BT landline. Calls from other networks may vary.)

International Customers Tel: +44 1706 233875

Email: [techsupport@texe.com](mailto:techsupport@texe.com)

© Texecom Limited 2013

**INS531-3**

