Quick Start Guide

Premier Elite 12-W/24-W/48-W

INS531-4

RICOCHET®

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).

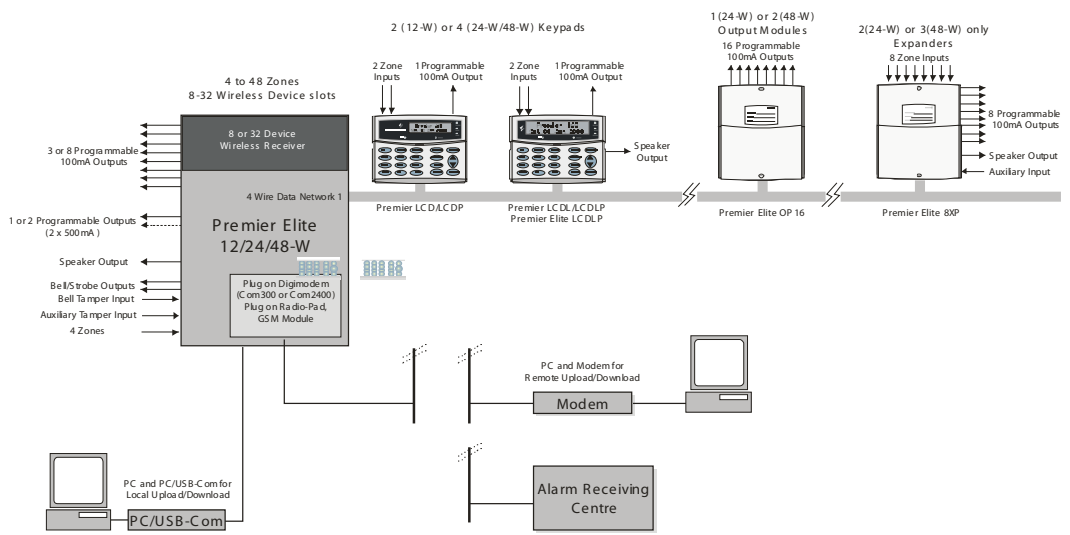
NOTE *You should wait at least 20 minutes after installing the last device to make sure routing has been correctly established between all system devices.*

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 12-W/24-W/48-W

- 4 Onboard Zones
- Max 8,16 or 32 wireless device ***Ricochet*** enabled receiver onboard
- Expandable to 12-48 zones via keypads and zone expanders
- 1 x 4-wire data network (standard 7/0.2 alarm cable)
- Up to 4 keypads (2 only on the 12-W) and 0-3 zone expanders
- Up to 2 output modules (0 on 12-W)
- 2 or 4 independent areas each with 3 part arms
- 2 or 4 area arm suites
- 8 (12-W), 25 (24-W), or 50 (48-W), programmable User codes
- 250 (12-W) or 500 (24-W/48-W) Event Log (time & date stamped)
- 1 or 2 programmable panel outputs (2 x 500mA)
- 1.5 Amp power supply
- 32 Event Alarm Log
- 3 or 8 programmable digicom outputs (100mA each)
- 32 character zone text
- Facility for Plug-on Digimodem (*Com300*/*2400*/)
- 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:

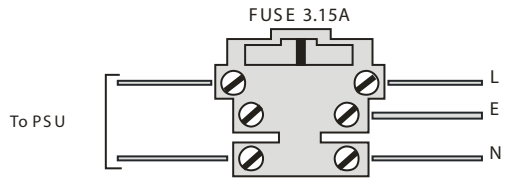
EN50131-1	Grade 1	Grade 2
Minimum Standby Period	12h	12h
Maximum Recharge Time	72 Hrs	72 Hrs
PD6662	**Grade 1**	**Grade 2**
Standby Period	12 Hrs	12 Hrs
Maximum Recharge Time	72 Hrs	72 Hrs

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.

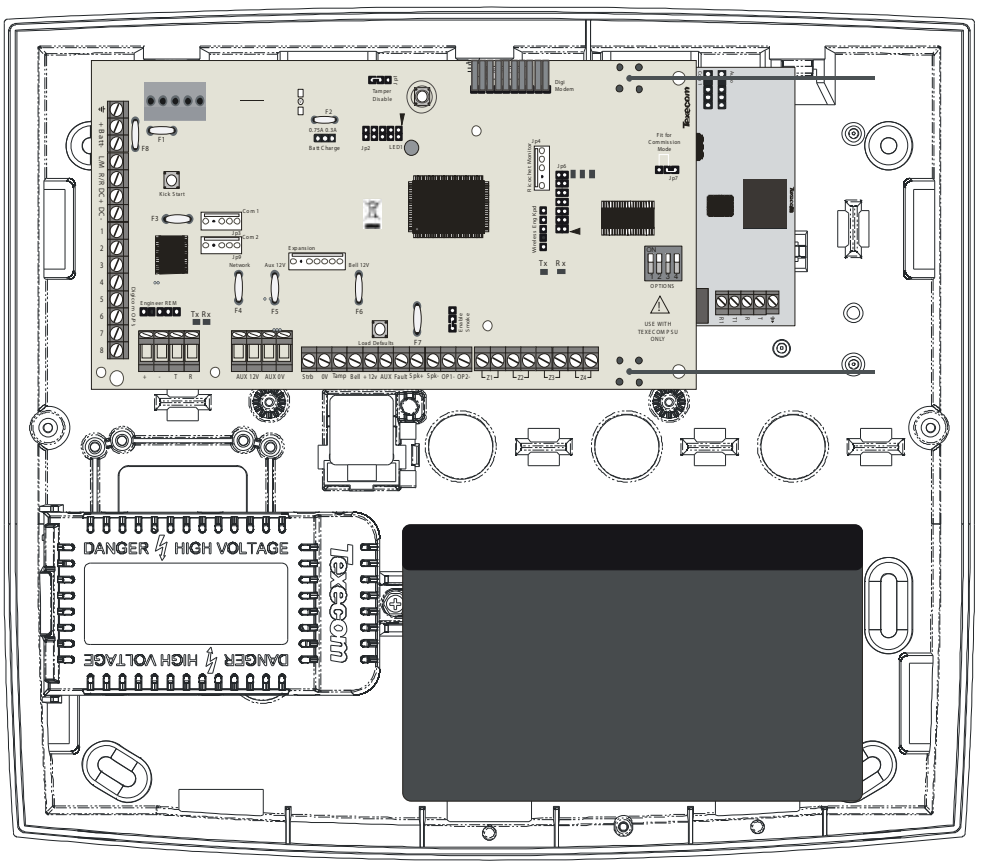
The disconnection device must NOT be fitted in a flexible cord.

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

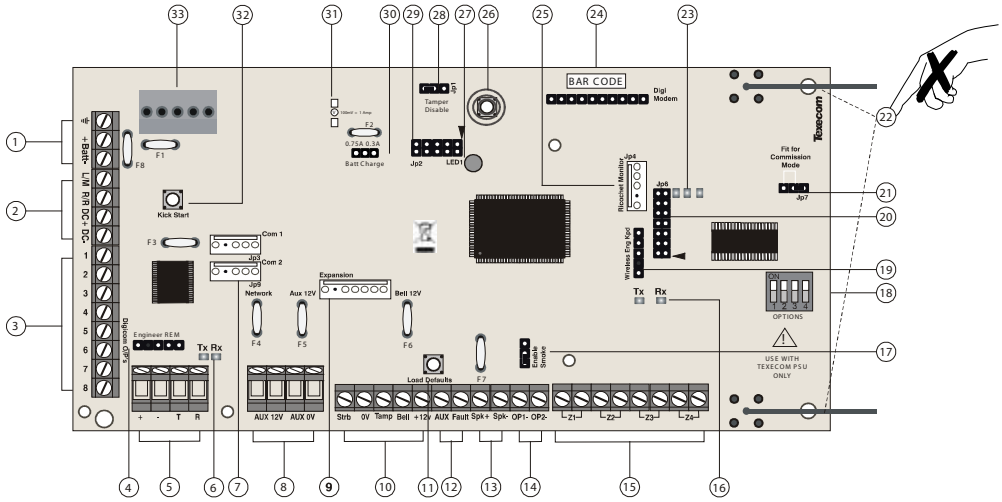
The building mains supply MUST incorporate appropriate short-circuit backup protection (e.g. a fuse or circuit breaker) of High Breaking Capacity (HBC, at least 1500A).

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

Control Panel Layout (*Premier Elite™* 48-W Shown)



PCB Layout (48-W Shown)



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 (24/48-W Only)
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.

NOTE *Outputs 4-8 are not fitted on the 12-W*

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) (2abc) (3def) (4ghi).

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 12-W & 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 (24/48-W Only)
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 (24/48-W Only)
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 12-W/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 (24/48-W Only)
Serial communications port for connecting to a PC via PC Com/USB Com or Com IP for use with ***Ricochet 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(24/48-W Only)
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 V2.xx

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(*Onboard)		
	Expanders	Devices	***Premier Elite SmartKey™***	Expanders	Devices	***Premier Elite SmartKey™***
Premier Elite™ 12-W	N/A	N/A	N/A	1*	8	8
Premier Elite 24-W™	1*	16	16	N/A	N/A	N/A
Premier Elite 48-W™	1*	32	16	3	32	50

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

NOTE *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 6.1 or later
- ***Ricochet Monitor*** 0.2.18.00 or later
- ***Premier Elite™ Series*** V2.10 or later
- ***Premier Elite™ 32XP-W & 8-W*** Expanders V2.13 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.

NOTE *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 (not 12-W)

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)	
Premier Elite 48™	32XP-W	2 x 8XP
Expander Address	1	5 & 6
Devices Used	16	16
Premier Elite SmartKey™ (Max)	16	N/A

Devices

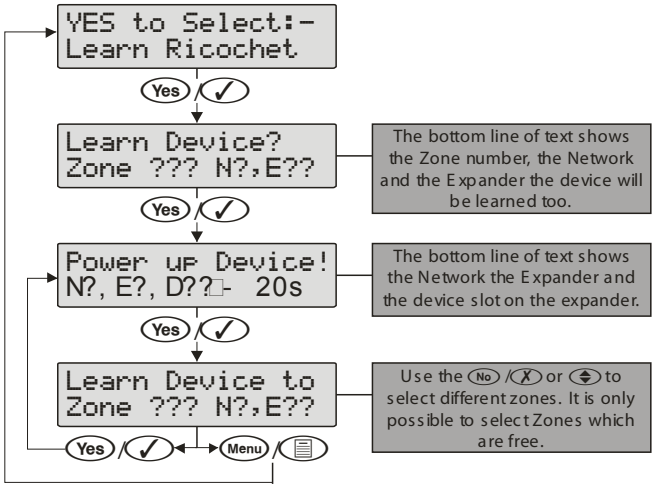
Introduction

Learn Devices from first power up

Follow the instructions given in INS176-8 or later for the first power up of the system.

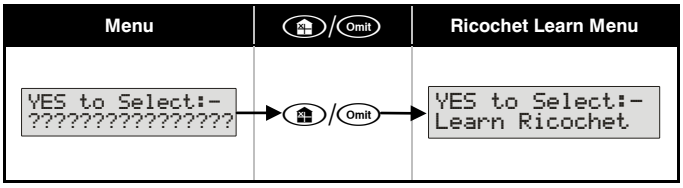
When the "Confirm Devices" menu appears check and make sure all installed Keypads and Expanders are showing; press ✓/Yes and ✓/Yes again to confirm.

Providing the system has a *Ricochet* enabled expander installed, the following will appear. The flow diagram shows the procedure to learn devices:-



Access the Learn Menu using the Omit "Hot" key

From any top level engineering menu pressing the ⌂/Omit key will take you to the *Ricochet* learn menu above.



IMPORTANT

In all cases when entering the Learn menu the next available free Zone will be chosen to learn a device too. It will not be possible to learn a device to a Zone that already has a device learned too it. The number of expander's on the system will dictate which next "free" zone is chosen to learn too.

When all device slots have been used the following screen will be shown

```
All Devices
Learnt!
```

Pressing the ☰/Menu key will return you to the *Ricochet* learn menu; pressing the ↺/Reset key will enter the Delete devices menu.

Auto Zone Type & Area

When learning devices, if no editing has taken place of the control panel onboard hardwired zones, these will be switched to Not Used after the first *Ricochet* device is learned to the system; the following defaults will be used for *Ricochet* devices learned to the system.

Zone	Type	Area
001-008	Not Used	N/A
009	Entry/Exit 1	A
010	Guard Access	A
011 & above	Guard	A

IMPORTANT

If any editing of any of the on board control panel zones is carried out **BEFORE** any *Ricochet* devices are learned too the system, the control panel zones will remain at factory defaults.

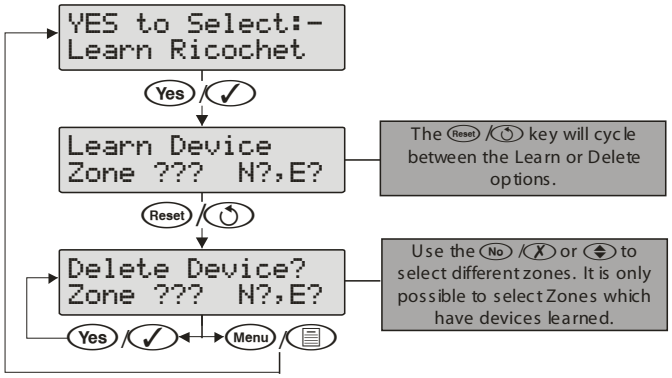
Deleting Devices

Delete Devices

To delete devices from the system, access the *Ricochet* Learn menu. Any of the methods previously detailed may be used.

The ↺/Reset key is used to access the Delete option.

Follow the flow diagram below to delete devices from the system.



If all devices are deleted from the system the following will be shown

```
All Devices
Deleted!
```

Pressing the ☰/Menu key will return you to the *Ricochet* learn menu; pressing the ↺/Reset key will enter the Learn devices menu.

Summary of Keys used

Key	Function
⌂/Omit	Use this key to access the *Ricochet* Learn menu from any top level engineering menu.
↺/Reset	Use this key when in *Ricochet* Learn menu to delete devices, or cycle between learn and delete functions
☰/Menu	Use this key to exit the Learn Menu.

Premier Elite SmartKey™

Introduction

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

In multiple expander systems it is now possible to choose which zones (and therefore expander) the ***Premier Elite SmartKey™*** will use for its routeing, 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.

All other user programmable options can be found in INS176-8 or later ***Premier Elite Series Installation Manual***.

NOTE *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™ Routeing

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 routeing. 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.

```
User001 Route By
Zones 009 - 040
```
Fig 1

```
User001 Route By
Zones 041 - 072
```
Fig 2

The (Area) key is used to select this menu and the (◆) 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 routeing. It is not possible to alter this once learned. To change the routeing the ***Premier Elite SmartKey™*** should be deleted and the process started from the beginning.

LED & Aux Functions

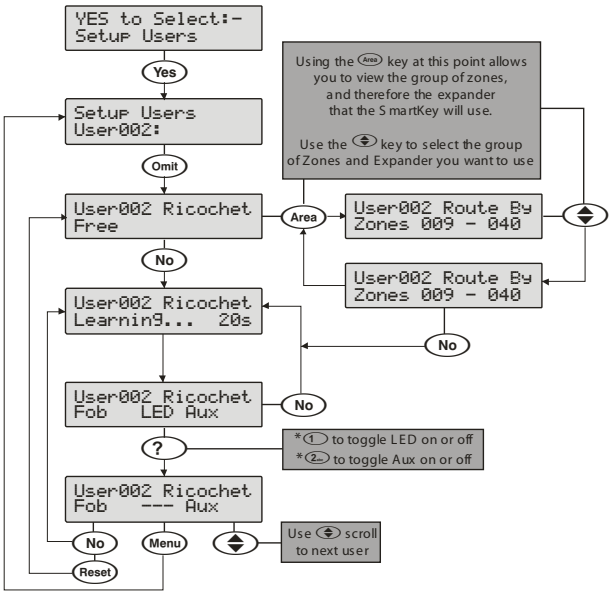
Please refer to INS467 for details of the LED & Aux functions.

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 routeing and learn ***Premier Elite SmartKey™*** to users.

Learning *Premier Elite SmartKey™*



* Please refer to INS467"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:-

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

Premier Elite SmartKey™

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

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

Interpreting Keypad Displays

Routeing

The image below shows that Zone 009 is routeing 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.

```
Zone 009   PIR
->014->007->XP
```

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.

```
Zone 009   PIR
 69>> 80>> 57@XP
```

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

```
Zone 001
Not Ricochet
```

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

```
Zone 009   PIR
Ms9 ??? mins a9o
```

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

```
Zone 009   PIR
>1hr since ms9
```

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

```
Zone 009   PIR
No ms9 recvd yet
```

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™

```
Zone 009   Shock
????
```

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	×	×	✓	×	×	✓	✓	✓

NOTE *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: aaaSpdtt
```

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
```

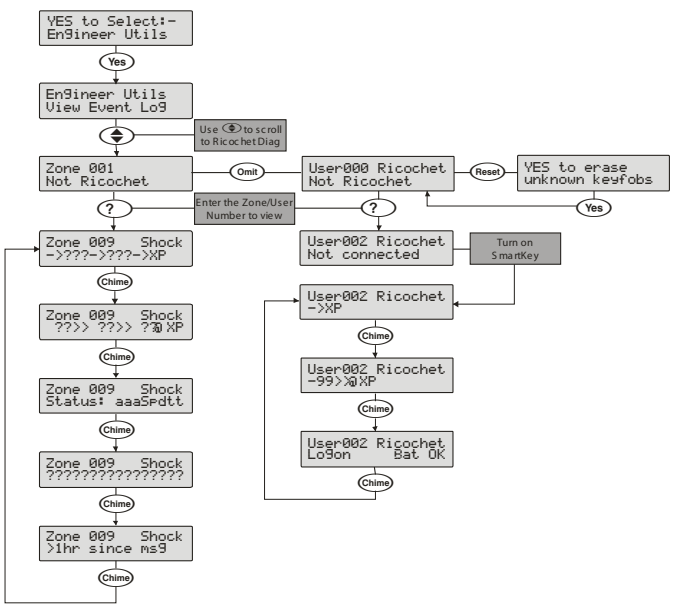
Shows the Panic function has been activated

```
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™.

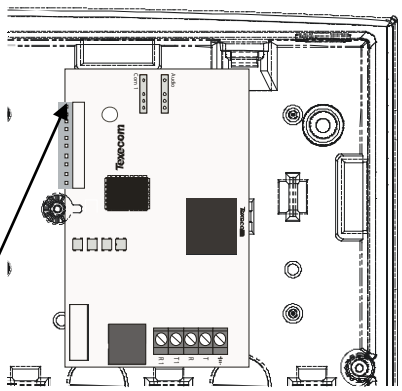
NOTE *This option DOES NOT remove known Premier Elite SmartKey™, use the Delete option in Setup Users.*

Ricochet Diagnostics Menu



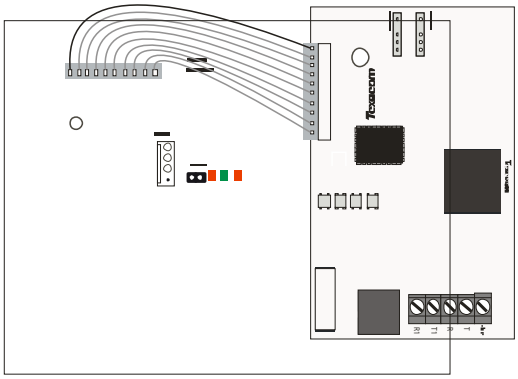
Premier Elite COM300/COM2400

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 NOTE *These are not considered "independent outputs" according to EN50131-6*	Aux 12V Bell/Strobe Network 1 Battery DC+/DC-	1A 1A 1A 1.6A 0.9A
Electrical		
Current Consumption Standby Alarm (with speaker)	 <150mA <175mA	
Fuses Mains Battery Auxiliary Bell Network 1	 3A - 3.15AmA,slow/medium blow 1.6A, 250V PTC 900mA, 250V PTC 900mA, 250V PTC 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 @ PGM X 2 (1 programmable only on 24-W)@	 100mA switched to 0V 500mA switched to 0V	
Speaker Output	Minimum load 8Ω	
Network + - T R	 +12V Power 0V Power Transmitted Data Received Data	
Environmental		
Operating Temperature	-10°C (+14°F) to +50°C (+132°F)	
Storage Temperature	-20°C (-4°F) to +60°C (+140°F)	
Maximum Humidity	95% non-condensing	
EMC Environment	Residential Commercial Light Industrial 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)	
Frequency	868.0MHz – 868.6MHz or 433.05MHz – 434.79MHz or 866.0Mhz –866.6MHz NOTE *Please refer to product label to determine frequency*	

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.

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 depheny 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 Elite12-W/24-W/48-W***	***Premier Elite SmartKey™***	**Premier Elite XT/QD-W**	***Premier Elite™* Impaq plus-W** ***Premier Elite™* 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 12-W/24-W/48-W* is covered by a two-year warranty against defects in material or workmanship.

As the *Premier Elite 12W/24-W/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™*** *12-W/ 24-W/48-W* failed to function correctly. Due to our policy of continuous improvement Texecom reserve the right to change specification without prior notice.

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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

INS531-4

bsia

british security industry association

Certificate Number : FM 35285