Quick Start Guide

Premier Elite *Ricochet*® Enabled Kits

INS626

RICOCHET®

Texecom

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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.

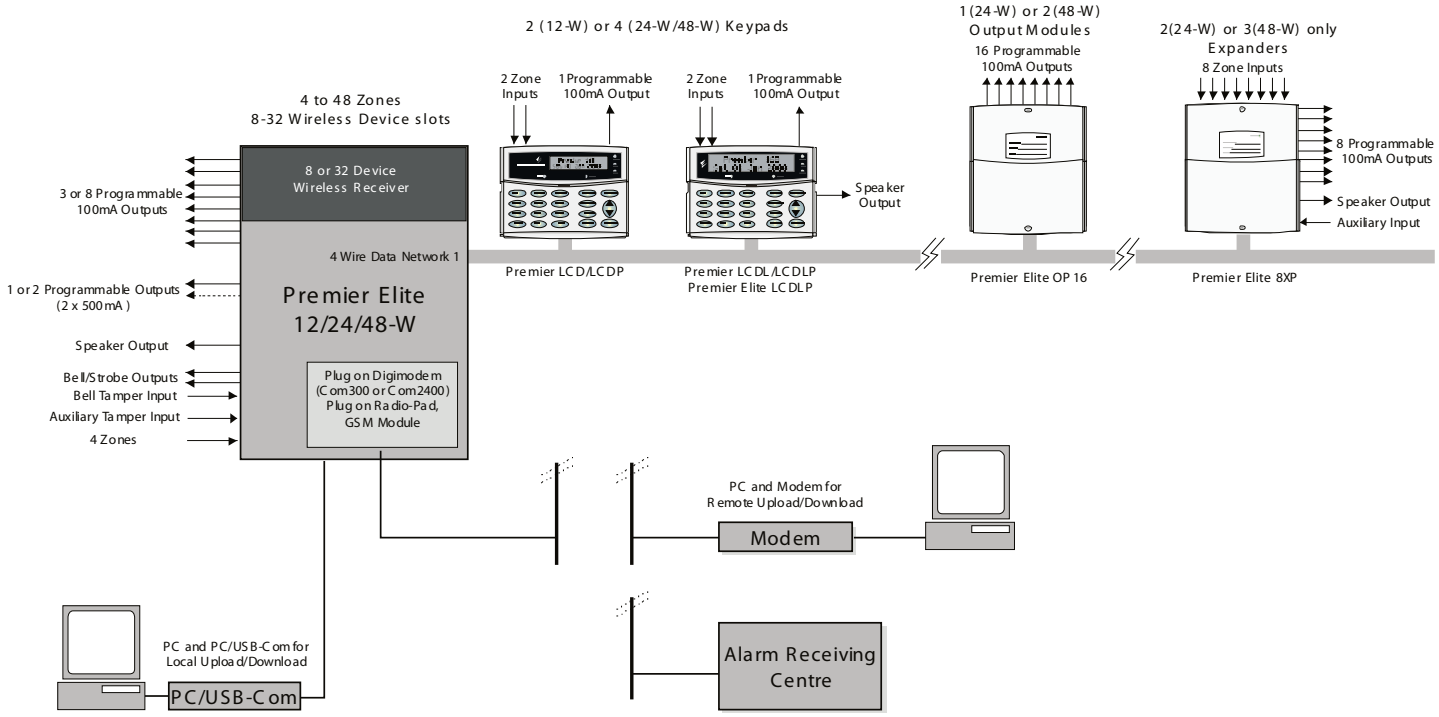
This quick start guide will enable you to install and programme the system. Detailed instruction manuals for all of the components of the kits can be found on the enclosed CD. Any additional items purchased will also contain detailed instructions.

Additional Items Required

In addition to the contents of the kit you will need the following to complete the installation:-

- 7Ah Lead Acid back up battery
- Alarm cable (if installing remote keypads or wired detection devices & sounders)
- Mains Cable
- 3A unswitched fused spur
- Screws & Rawl plugs (No6, No8 & No10)
- Hammer drill, various screwdrivers
- Mini Trunking.
- PC or Laptop running Windows Vista, 7 or 8 (If programming from a PC)
- JAC-0001 Texecom USB Com Lead (If programming from a PC)
- A cover for the External Sounder

System Architecture



System Design & Installation Considerations

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.

This quick reference guide will allow you to install your alarm system and programme all of the required basic functions. Further in-depth programming options for the system are available in the manuals provided on the enclosed CD or on our website.

1: Design the Layout
Make a rough sketch of the premises to get an idea of where all alarm detection devices, keypads and other modules are to be located.

2: Arming/Disarming
It is highly recommended that SmartKey are used to arm and disarm the system. This will allow for the control panel and any associated keypads to be placed in a secure area in the property.

3: Control Panel Location
The control panel should be mounted in a dry area close to an unswitched AC power source.

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

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.*

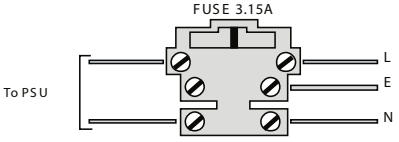
- ALWAYS refer to National Wiring Regulations when conducting installation.
- An appropriate and readily accessible disconnection device (e.g. an unswitched fused spur) MUST be provided as part of the installation.
- The disconnection device must NOT be fitted in a flexible cord.
- Where identification 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)

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.



4: Install the Keypads
Where separate keypads are supplied, if using them to Arm/Disarm the system, these should be located on the entry route. Mount and connect the keypads to the control panel.

5: Zone Wiring
If any of the hardwired zones are to be used, Install detection devices and connect to the control panel.

6: Other Wiring
Complete all other wiring including bells or sirens and telephone line connections.

7: Apply Power to the Control Panel
Once steps 1 to 5 are completed, apply power to the control panel.

8: Installation Records
You should record notes detailing the location of each device installed on the system, and the date of installation.

9: Learning & Placing Ricochet Devices
Learn devices to the system and place them in their desired location.

10: Programme the System
Programme the system according to the requirements

11: Testing the System
Test the system thoroughly to ensure that all features and functions are operating as required.

Design the Layout

Depending on the Kit and any additional items purchased the system should be drawn out so that you have a clear idea of where all of the components will be placed. The following guide should help you plan a trouble free system.

Control Panel

- The control panel should be placed in a secure area within the property.
- Located near a suitable mains supply
- Centrally in the building wherever possible
- Easy to access for programming and maintenance

System Keypads

- Should be placed on the entry route if used for arming and disarming
- Should be placed with the Control Panel if SmartKeys or the App's are used for arming/disarming

Movement Sensors

- Minimum of one per ground floor room.
- Should be placed looking into a room (not looking out of windows)
- Mounted at the correct working height 2Mtr - 2.4Mtr from the floor

Door Contacts

- The main body should be placed on the door frame
- The magnet should be placed on the door itself

Shock Sensors

- Should be mounted on the frames of doors or windows being protected

External Sounder

- Should be placed on a suitable external elevation to attract attention in the case of an activation.
- Should be accessible for future maintenance

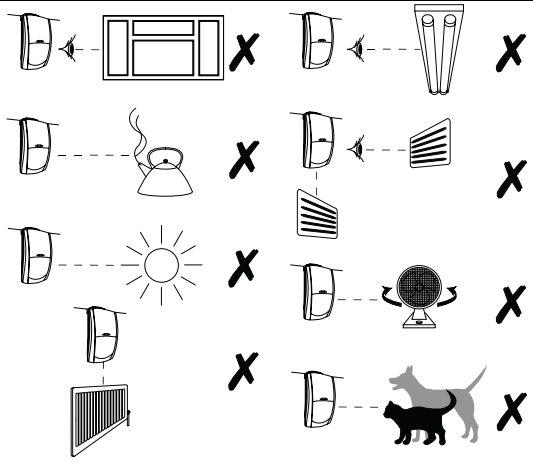
Smoke Detector

- Should be placed in a central location with a minimum of one device per floor of the property. In the case of larger properties careful consideration should be given to the number of devices required. The coverage, mounting height and audible noise level from each device must be checked.

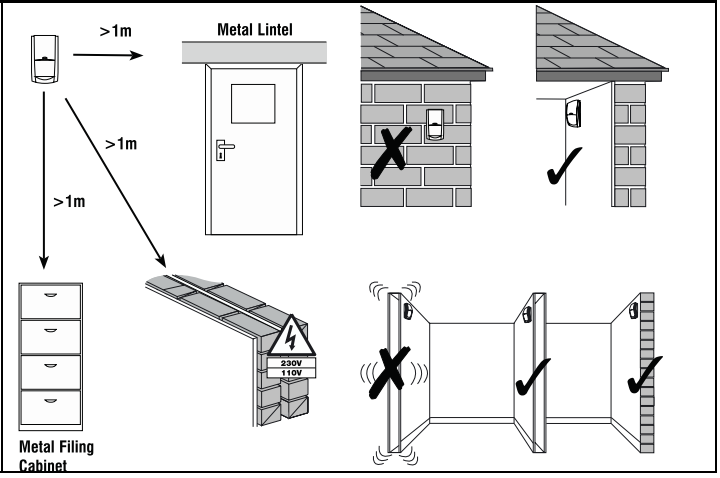
Device Locations

For all devices, unless specified that they are suitable for the application, please observe the following guidelines.

Avoid Common False Alarms Causes



Select the correct location



Installation Sequence

Control Panel

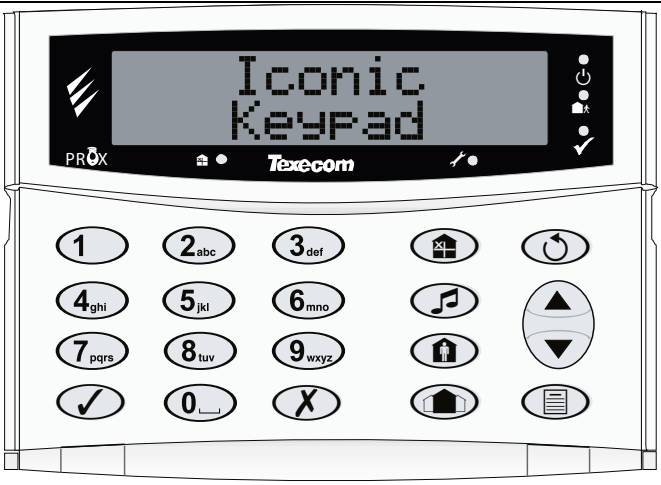
1. Install the control panel in the chosen location.
2. Power up the Control Panel, using the battery first method, and loading factory defaults. To do this proceed as follows:-
   a. Connect Red battery lead.
   b. Connect Black battery lead.
   c. Hold down the Load defaults button on the PCB.
   d. Press and release the battery kick start button.
   e. Release Load Defaults button.
   f. Any connected keypads or internal speakers may go into alarm
   g. Enter the default Engineers Code 1234.
   h. Enter the default Engineers code 1234 again.
   i. Connect AC Mains
3. The Keypad display will now show "Confirm Devices", press ✓/Yes and ✓/Yes again to confirm that all connected keypads and expanders are accounted for..
4. The Keypad display will now show **"Learn Ricochet".**
5. Fit the provided jumper link on the control panel PCB to enable commission mode.

NOTE *If a standalone Ricochet expander is used commission mode is enabled when the tamper circuit is open.*

Keypad Types

Texecom provide a number of different styles of keypads. The image below shows the layout of the Premier LCDLP Keypad with iconic keys, a large screen and Proximity tag capability. The table details the equivalent keys of an alternate is supplied.

Keypad



Keys Guide

ICONS		UK English		English
	=	Omit	=	Bypass
	=	Chime	=	Chime
	=	Part	=	Stay
	=	Area	=	Area
	=	Reset	=	Reset
	=	Menu	=	Menu
✓	=	Yes	=	Yes
OK	=	Yes	=	Yes
✗	=	No	=	No

LED Symbols

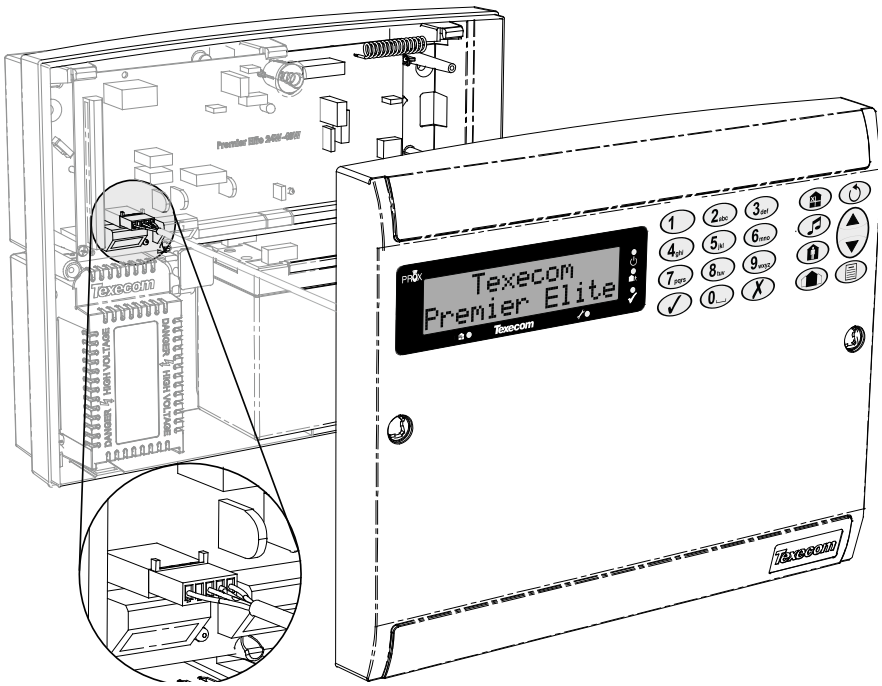
	= Power		✓	=	Ready
	= Armed/Info		OK	=	Ready
	= Omit			=	Service

Connecting Keypads & Expanders

Before connecting keypads, zone expanders and output modules, isolate ALL power from the control panel (AC Mains & Battery). Do not continue if there is still power present on the control panel.

Premier Elite 12/24 & 48-W Live Front

Panels with an integral keypad are already wired and should be connected as shown.



NOTE *Connecting devices with power still present on the control panel may damage the device or control panel and invalidate any warranty.*

Keypads, zone expanders and output modules are all connected to the same network terminals located at the bottom left hand corner of the control panel and may be connected serially (daisy chain), in parallel (star) or any combination of the two (see Figure 1, page **Error! Bookmark not defined.** for details).

NOTE *No more than 8 zone expanders, 8 keypads and 4 output modules can be connected to each network.*

The maximum number of devices that can be connected in total will depend on the control panel fitted.

Whenever new devices are connected to the networks, they must be confirmed onto the system using the 'Confirm Devices' menu option

Wiring the Network

The networks are made up of four terminals incorporating power and data. To ensure correct operation, all four terminals on the device must be connected to the corresponding terminals on the control panel, or previous device (see Figure 1, page **Error! Bookmark not defined.** for details). The table below shows each terminal and its description:

Terminal	Description
+	+12V Supply
-	0V Supply
T	Transmit Data
R	Receive Data

Devices can be connected using 4-core cable. However, it is recommended that 6 or 8-core cable is used as the spare cores can be used to 'Double Up' on the power connections if needed.

NOTE *Standard 7/0.2 alarm cable can be used for most installations. However, under certain conditions it may be necessary to use screened cable. Cable used should be rated at no more than 10*Ω per 100mtr's and should be clearly marked on the packaging.

Keypad & Expander Addressing

Each keypad or expander must be assigned an address using the DIL switches located on the left hand side of the PCB. The table below shows the addressing:

Address	DIL 1	DIL 2	DIL 3	DIL 4	
1	**On** or off	Off	Off	Off	
2	Off	**On**	Off	Off	
3	Off	Off	**On**	Off	
4	Off	Off	Off	**On**	
5 *	**On**	Off	Off	**On**	
6 *	Off	**On**	Off	**On**	
7 *	Off	Off	**On**	**On**	
8 *	**On**	Off	**On**	**On**	
Engineers	**On**	On	**On**	**On**	

NOTE *Never set two keypads on the same network to the same address. Never set two expanders on the same network to the same address. It is OK to have a keypad and an expander using the same address.*

Installing Ricochet devices

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

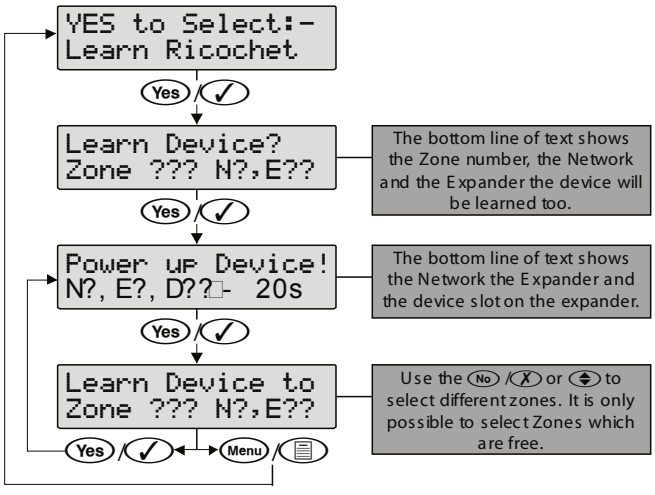
All devices should be learnt ***before*** they are placed in their final location. The expander should be in commission mode, as above. This will ensure that they are registered on the receiver or control panel, and that Mesh Networks and routing are established correctly. SmartKey should be learned after all other devices have been assigned to the system and are in their final location.

The following table details the method for powering up and learning each type of device.

Device Type	Learn method
Premier Compact All models	Pull battery tab or Insert battery
Impaq Contact & Plus	Short learn pins and insert battery
Odyssey-W	Insert batteries and move Battery Jumper to ON position
OH-W & PA-W	Pull battery tab or Insert battery
Premier Elite QD/XT & DT	Hold down learn switch & insert battery.
SmartKey	Power on

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

Referring now to your system design plan, learn all devices to the control panel. To learn devices to the system follow the diagram below. Ricochet devices will start at Zone 9.



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 (Hardwired)	Not Used	N/A
009 (Wireless)	Entry/Exit 1	A
010 (Wireless)	Guard Access	A
011 & above (Wireless)	Guard	A

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.

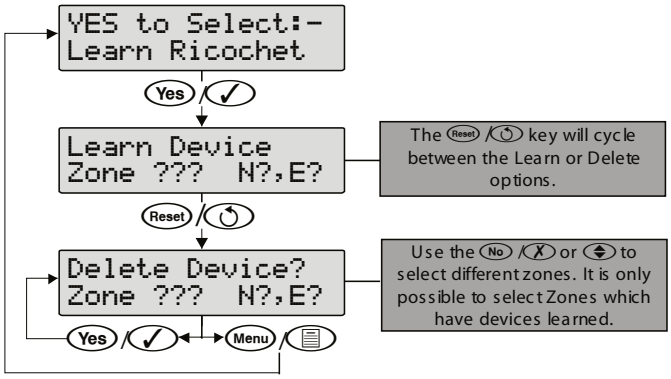
Deleting Devices

Delete Devices

If you make a mistake you can remove devices from the system and start again. 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.

Once you have finished Learning devices press the (Menu) key, the display will show

```
YES to Select:-
Learn Ricochet
```

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 Control Panel 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

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.*

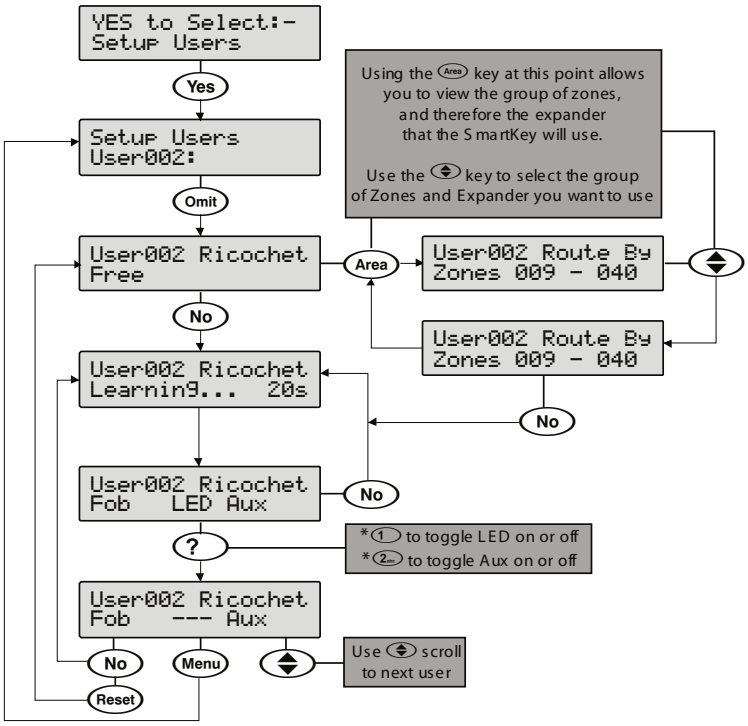
NOTE *For maximum reliability and system integrity avoid long and thin set-ups.*

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

Learning SmartKeys

Once all of the other devices have been mounted in their final location you may learn the SmartKeys to the system. The following procedure should be used:-

1. The keypad display will be showing `YES to Select:-` / `Learn Ricochet`
2. Press 8 on the keypad
3. The Keypad will show `YES to Select:-` / `Setup Users`
4. Follow the sequence below to learn SmartKeys for the users of the system.



* 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!*

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.

Finishing the Installation

Install all of the covers to the devices and the external sounder if fitted. and the proceed as follows:-

1. Remove the jumper link from Commission jumper on the panel PCB.
2. Fit the panel lid
3. Now test the system.

Testing the System

Now that all of the devices and SmartKeys have been learned to the system, the system should be checked to ensure everything works as desired.

1. Press the (Menu) key
2. Press (9) and then (Yes)
3. Press (1) to do a Bell test and follow the instructions on the screen
4. Press (Menu) key
5. Press (2) and then (Yes) to walk test all of the devices

Once testing is complete Press (Menu) and exit and log off of the system.

Further Programming Options

Quick Programming Guide

The tables below show all of the available programming options when in Engineering mode. Some examples of common changes required for a new installation are shown. Further detailed instructions can be found in INS176-X Premier Elite Installation Manual which is on the enclosed CD or available to download from our website.

Default Engineer Code (00)	1234
Default User Code (01)	5678

(0)	**Log Off Engineer**
(Yes)	**Press** (Yes) to log out of the Engineer Programming menu

(1)	**Zone Setup**				
(Yes)	**Zone Types**	**Use** (1) - (8) **to enter zone number,** (No) **to edit,** (0) - (9) **or** (↕) **to select a zone type,** (Yes) **to accept**			
		(0) Not Used	(↕) Medical	(↕) Conf PA audible	
		(1) Entry/Exit 1	(↕) 24Hr Gas	(↕) Conf PA silent	
		(2) Entry/Exit 2	(↕) Auxiliary		
		(3) Guard	(↕) Tamper		
		(4) Guard Access	(↕) Exit Terminator		
		(5) 24Hr Audible	(↕) Moment Key		
		(6) 24Hr Silent	(↕) Latching Key		
		(7) PA Audible	(↕) Security		
		(8) PA Silent	(↕) Omit Key		
		(9) Fire	(↕) Custom		
(Yes)	**Zone Attributes 1**	**Press** (No) **to edit,** (1) - (8) **to select an attribute,** (Yes) **to accept**			
		(1) **O** = Omittable	(5) **3** = Part 3 Omit		
		(2) **F** = Force Omit	(6) **A** = Access		
		(3) **1** = Part 1 Omit	(7) **E** = Entry/Exit 2		
		(4) **2** = Part 2 Omit	(8) **G** = Guard		
(Yes)	**Zone Attributes 2**	**Press** (No) **to edit,** (1) - (8) **to select an attribute,** (Yes) **to accept**			
		(1) **D** = Double Knock	(1) **R** = Reset		
		(2) **B** = Beam Pair	(6) **A** = Auto Re-arm		
		(3) **S** = Soak Test	(7) **Q** = Quick Resp.		
		(4) **F** = Activity	(8) **E** = Eng. Alarm		
(Yes)	**Key Attributes** (only applicable for keyswitch zone types)	**Press** (No) **to edit,** (1) - (5) **to select an attribute,** (Yes) **to accept**			
		(1) **I** = Instant Arming	(5) **S** = Silent Arming		
		(2) **P** = Part Arming	(6) **T** = Time Arm Disable		
		(3) **F** = Full Disable	(7) **K** = Key Tube (Monitor Only)		
		(4) **D** = Disarm Only			
(Yes)	**Custom Attributes**	**Press** (No) **to edit,** (1) - (5) **to select an attribute,** (Yes) **to accept**			

	(only applicable for custom zone types)	1 **B** = Bell/Strobe 2 **I** =Internals 3 **M** = Monitor 24Hr 4 **C** = Enable Coms 5 **W** = Warning
Yes	**Zone Areas 24/48/88/168**	**Press No to edit, 1 - 8 to select an area,** (0 = all areas, Area = areas A – H and I –P), **Yes to accept.**
Yes	**Zone Areas 640**	**Press No to edit,** Chime or Part **to select an area group (1-4),** use Area to select areas A – H and I –P), **Yes to accept.**
Yes	**Zone Text**	**Press No to edit, 0 - 9 to select characters** (press the required key the appropriate number of times), **Yes to accept** 1 . , ? ! 1 @ " - 2 A B C 2 3 D E F 3 4 G H I 4 5 J K L 5 6 M N O 6 7 P Q R S 7 8 T U V 8 9 W X Y Z 9 0 0 _ Move Cursor Chime Copy Text to Memory Part Paste Text from Memory No Upper, Lower Case, Predictive Text and Numerical
Yes	**Zone Chime**	**Press No to alter chime tone, Yes to accept** No Silent No Chime 1 No Chime 2 No Chime 3
Yes	**Zone Test**	**Press No to alter Test option, Yes to accept**
Yes	**Zone Wiring**	**Press No to alter wiring type, Yes to accept** 0 Normally Open 1 Normally Cosed 2 Double Pole EOL 3 Triple EOL 4 1K/1K/(3K) 5 4K7/6K8(12K) 6 2K2/4K7/(6K8) 7 4K7/4K7 8 WD Monitor

2	**Area Programming**			
0	**Timers**	**Use to select an area, Yes to select a timer, 0 - 9 to enter a value, Yes to accept**		
	1:	Exit Dly for Areas:	6:	Bell Duration for Areas:
	2:	Entry Dly 1 for Areas:	7:	Coms Dly for Areas:
	3:	Entry Dly 2 for Areas:	8:	Part Bell Dly for Areas:
	4:	2nd Entry Dly for Areas:	9:	Conf PA Timer for Areas
	5:	Bell Dly for Areas:		
1	**Arming Modes**	**Use to select an area, 1 - 5 to select arming mode, Yes to accept** 1 Entry/Exit 2 Exit Term. 3 Timed Exit 4 Instant 5 Deferred		
2	**Area Arm Suites 24/48/88/168**	**Use to select a suite, No no to edit, 1 - 8 to select an area,** (0 = all areas, Area = areas A – H and I – P), **Yes to accept**		
2	**Area Arm Suites 640**	**Use to select a suite, No no to edit, Chime - Part to select an area group (1-4),** use Area to select areas A – H and I –P), **Yes to accept.**		
3	**Area Suite Text**	**Use 1 - 8 to select a suite, No to edit, 0 - 9 to select characters** (press the required key the appropriate number of times), **Yes to accept** 1 . , ? ! 1 @ " - 2 A B C 2 3 D E F 3 4 G H I 4 5 J K L 5 6 M N O 6 7 P Q R S 7 8 T U V 8 9 W X Y Z 9 0 0 _ Move Cursor Chime Copy Text to Memory Part Paste Text from Memory No Upper, Lower Case, Predictive Text & Numerical		
4	**Suite Arm Mode**	**Use to select an area, 1 - 5 to select an arming mode, Yes to accept** 1 Entry/Exit 2 Exit Term. 3 Timed Exit 4 Instant 5 Deferred		
5	**Area Options**	**12/24/48/88/168** **Use to select an option, No to edit, 1 - 8 to select an area,** (0 = all areas, Area = areas A – H and I – P), **Yes to accept** **640** **Use to select an option, No no to edit, Chime - Part to select an area group (1-4),** use Area to select areas A – H and I –P), **Yes to accept.**		
	01:	Auto Part Arm	21:	Unarm Fire Coms
	02:	Part Arm Instant	22:	Unarm Tamper Coms
	03:	Part Arm Silent	23:	Auto Arm Areas
	04:	Remote Arm	24:	Area A Foyer

2 abc	Area Programming					
		05:	Remote Disarm	25:	Log Part Omits	
		06:	Panel Tamper	26:	Multi Knock Area	
		07:	Bell Tamper	27:	UDL Keypad	
		08:	Auxiliary Tamper	28:	Auto Chime (C2A)	
		09:	Panel Speaker	29:	Confirm in Entry	
		10:	Bell & Strobe op	30:	Conf. After Entry	
		11:	Alarm Eng Reset	31:	Enable Part Arms	
		12:	Confirmation Reset	32:	Bell Squawk	
		13:	Tamper Eng Reset	33:	Fob After Entry	
		14:	Anti-code Reset	34:	Armed = Coms	
		15:	Phone Line Fault	35:	2-Wire Smoke	
		16:	Arm With L/Fault	36:	Fault Eng Reset	
		17:	AC Mains Fail	37:	L/Fault Eng Rst	
		18:	Arm With AC Fail	38:	AC Fail Eng Rst	
		19:	Area Arm Coms	39	Anti-Masking When Armed	
		20:	Part Arm Coms			
6 mno	**Time Arm Areas**	**Use ◆ to select an area, Yes to toggle between the arm and disarm timer, 1 - 8 tuv to select timers, Yes to**				
7 pqrs	**Area Text**	**Use ◆ to select an area, No to edit, 0 - 9 wxyz to select characters** (press the required key the appropriate number of times), **Yes to accept**				

3 def	Global Options					
0	**System Timers**	**Use ◆ to select a timer, 0 - 9 wxyz to enter a value, Yes to accept**				
		00:	Exit Settle Time	12:	Pulse Period 2	24: Zone Response
		01:	Global Bell Dly.	13:	Pulse Period 3	25: Keypad PA Delay
		02:	Global Bell Dur.	14:	Line Fault Delay	26: Confirmation Dly
		03:	Double Knock Dly	15:	AC Off Delay	27: Warning Delay
		04:	Beam Pair Time	16:	Batt Test Period	28: Keypad Lock Time
		05:	Activity Delay	17:	Batt Test Time	29: Eng. Log Off Dly
		06:	Abort Delay	18:	Soak Test Time	30: Fire Bell Delay
		07:	Courtesy Time	19:	Service Interval	31: Forced Entry Dly
		08:	Defer Arming By	20:	Test Call Every	32: Supervision Time
		09:	Auto Arm Delay	21:	Min Random Time	33: Poll IP Every
		10:	Menu Time Out	22:	Max Random Time	
		11:	Pulse Period 1	23:	Door Strike Time	
1	**System Config.**	**Use ◆ to select an option, No to change the option, Yes to accept**				
		00:	(**No Bell**/Bell on) Arm Fail	19:	(Auto/**Manual**) Area Select	38: (Enable/**Disable**) RF FOB PA
		01:	Bell is an (**SAB**/SCB)	20:	(**Predictive**/Normal) Text	39: Mask=(**Fault**/Alarm)
		02:	Clock is (12Hr/**24Hr**)	21:	Zone Short=(Active/**Tamper**)	40: FOB PA (**Audible**/Silent)
		03:	(Manual/**Auto**) BST/GMT	22:	R/R=(**Reset Only**/Silence/RST)	41: PSU Batt (**Monitor**/No Flts)
		04:	(**Hide**/View) Armed Areas	23:	User Codes (**Pulse**/Latch)	42: Exp Loss Tamp (**On**/Off)
		05:	(Area/**Global**) Bell Time	24:	Test Call = (**Timed**/Timed)	43: Soak Test Warn (**On**/Off)
		06:	24Hr Omit (**Global**/Local)	25:	Batt Test = (**Timed**/Disarm)	44: Fob Batt Warn (**On**/Off)
		07:	(Leave/**Remove**) Omits	26:	Bell = (**1st Alarm**/2nd Alarm)	45: Entry Stray (**On**/Off)
		08:	Away (**Override**/Enforce)	27:	SNDR = (**1st Alarm**/2nd Alarm)	46: BS Entry Stray (**On**/Off)
		09:	NVM is (**Unlocked**/Locked)	28:	Conf. = (**Instant**/Delayed)	47: Tamper = Confirmed (**No Confirm**/Confirm)
		10:	Engineer (Only/+ **User**)	29:	Abort = (**Eng. Reset**/User Reset)	48: Radio 2 Step Arm (**2 Steps**/1 Step)
		11:	Chime (**Audible**/Visible)	30:	(**Auto**/Manual) AV Outputs	49: Radio Step1 (**Zone**/RKP)
		12:	Omit Tampers (NO/**YES**)	31:	Clock = (**50Hz**/Crystal)	50: Radio Step 2 (**Fob**/Zone)
		13:	(Offline/**Online**) Printing	32:	(40/**80)** Column Printer	51: Conf Hold Up (**Enabled**/None)
		14:	Activity Fault (View/**Hide**)	33:	(Enable/**Disable**) Text	52: Max Log msgs (**3**/Off)
		15:	(**Hide**/View) Exit Errors	34:	EN50131 (Disabled/**Enabled**)	53: Code entry timed (**On**/Off)
		16:	(No/**Enable**) Code Tampers	35:	(**2nd Zone** /1st Zone) = Confirm	54: PD6662:2010 (**On**/Off)
		17:	Code Tamp (Alarms/**Locks**)	36:	**(Global**/Local) Keypads	
		18:	Areas (**1-8**/**A-H**) & I-P	37:	Panel Grade (2/**3**)	
2 abc	**System Options**	**Use ◆ to select an Option, 0 - 9 wxyz to enter a value, Yes to accept**				
		0:	Advisory Volume	4:	Multiple Knocks	8: Language

3 def	Global Options					
		1: Chime Volume	5: Adjust Clock	9: Country Code & Defaults		
		2: Number Of Re-Arms	6: Quick Count			
		3: Anti-code Resets	7: Modem Level			
3 def	**Monitor Hardware**	**Press No to edit, ▲▼ to select an option, No to change the option, Yes to accept**				
		1 **P** = Line Fault	4 ghi **B** = Bell Tamper	7 pqrs **B** = Battery Faults		
		2 abc **A** = AC Power Failure	5 jkl **A** = Aux Tamper			
		3 def **F** = Aux Fuse Blown	6 mno **L** = Panel Lid Tamper			
4 ghi	**Control Timers**	**Use ▲▼ to select an area, 0 _ - 9 wxyz to enter the 1st On time, Yes to accept**				
		Use 1 - 7 pqrs to select the 1st On time days of operation, Yes to accept				
		Use 0 _ - 9 wxyz to enter the 1st Off time, Yes to accept				
		Use 1 - 7 pqrs to select the 1st Off time days of operation, Yes to accept				
5 jkl	**System Text**	**Use ▲▼ to select a message, 0 _ - 9 wxyz to select characters** (press the required key the appropriate number of times), **Yes to accept**				
6 mno	**Part Arm Text**	**Use ▲▼ to select a Part Arm, No to edit the Part Arm text, 0 _ - 9 wxyz to select characters** (press the required key the appropriate number of times), **Yes to accept**				
7 pqrs	**Holiday Dates**	**Use ▲▼ to select a holiday date, 0 _ - 9 wxyz to enter the required date (D D M M Y Y), Yes to accept**				
8 tuv	**Speaker Tones**	**Use ▲▼ to select a tone type, No to turn the tone on/off, Yes to accept**				
9 wxyz	**PC Output Text**	**Use ▲▼ to select an Output, No to edit, 0 _ - 9 wxyz to select characters** (press the required key the appropriate number of times), **Yes to accept**				
▲▼	**Custom O/P Text**	**Use ▲▼ to select an Output, No to edit, 0 _ - 9 wxyz to select characters** (press the required key the appropriate number of times), **Yes to accept**				

4 ghi	Keypad Setup			
Yes	**Areas12/ 24/48/88/168**	**Use 1 - 8 tuv to select keypad, 0 _ to select network, No to edit, 1 - 8 tuv to select an area,** (0 _ = all areas, Area = areas A – H and I –P), **Yes to accept**		
Yes	**Areas 640**	**Use 1 - 8 tuv to select keypad, 0 _ to select network, No to edit, Chime - Part to select an area group (1-4),** use Area to select areas A – H and I –P), **Yes to accept.**		
Yes	**Zone Mapping**	**Press No to edit, 1 - 8 tuv to enter zone number, Yes to accept,** Repeat for 2nd zone		
Yes	**Options**	**Press No to edit, ▲▼ to select an option, No to change the option, Yes to accept**		
		1 **P** = PA Enabled	5 jkl **A** = PA is Audible	
		2 abc **F** = Fire Enabled	6 mno **D** = PA is Delayed	
		3 def **F** = Medical Enabled	7 pqrs **Q** = Quick Arm On	
		4 ghi **T** = Tamper Enabled	8 tuv **O** = Info.LED>Output	
Yes	**Volume**	**Press No to edit, 0 _ - 8 tuv to enter a value, Yes to accept**		
Yes	**Sounder Options**	**Press No to edit, ▲▼ to select an option, No to change the option, Yes to accept**		
		1 **F** = Fire Tones Enabled	5 jkl **E** = Entry Tones Enabled	
		2 abc **A** = Alarm Tones Enabled	6 mno **X** = Exit Tones Enabled	
		3 def **F** = Fault Tones Enabled	7 pqrs **C** = Chime Tones Enabled	
		4 ghi **S** = Service Tones Enabled	8 tuv **K** = Use Keypad Areas	

5 jkl	Expander Setup			
Yes	**Areas 12/24/48/88/168**	**Use 1 - 8 tuv to select expander, 0 _ to select network, No to edit, 1 - 8 tuv to select an area,** (0 _ = all areas, Area = areas A – H and I –P), **Yes to accept**		
Yes	**Areas 640**	**Use 1 - 8 tuv to select expander, 0 _ to select network, No to edit, Chime - Part to select an area group (1-4),** use Area to select areas A – H and I –P), **Yes to accept.**		
Yes	**Text**	**Press No to edit text, 0 - 9 wxyz to select characters** (press the required key the appropriate number of times), **Yes to accept**		
		1 . , ? ! 1 @ " -	6 mno M N O 6	▲▼ Move Cursor
		2 abc A B C 2	7 pqrs P Q R S 7	Chime Copy Text to Memory
		3 def D E F 3	8 tuv T U V 8	Part Paste Text from Memory
		4 ghi G H I 4	9 wxyz W X Y Z 9	No Upper, Lower Case, Predictive Text & Numerical
		5 jkl J K L 5	0 _ 0 _	
Yes	**Auxiliary Input**	**Press No to edit, 0 _ - 7 pqrs to select an input type, Yes to accept**		
		0 _ Not Used	6 mno Silence Sounders	
		1 Auxiliary Tamper	7 pqrs Global Omit Key	
		2 abc Bell Tamper	8 tuv Local Omit Key	

5 jkl	Expander Setup				
		3 def	Remote Reset	9 wxyz	PSU Monitor
		4 ghi	Line Fault +ve	▲▼	Defer Auto Arming
		5 jkl	Line Fault -ve		
Yes	**Volume**	**Press No to edit, 0 _ - 8 tuv to enter a value, Yes to accept**			
Yes	**Sounder Options**	**Press No to edit, ▲▼ to select an option, No to change the option, Yes to accept**			
		1	**F** = Fire Tones Enabled	5 jkl	**E** = Entry Tones Enabled
		2 abc	**A** = Alarm Tones Enabled	6 mno	**X** = Exit Tones Enabled
		3 def	**F** = Fault Tones Enabled	7 pqrs	**C** = Chime Tones Enabled
		4 ghi	**S** = Service Tones Enabled		

6 mno	System Outputs	
0 _ 1 2 abc 3 def	**Panel Outputs** **Digi Outputs** **Com? Channels** **RedCARE Pins**	**Use 1 - 8 tuv to select an output, No to edit, 1 - 7 pqrs to enter an output group, 0 _ - 9 wxyz to enter output type, Yes to accept**
4 ghi	**Keypad Outputs**	**Use 1 - 8 tuv to select device, 0 _ to select network, ▲▼ to select an output, No to edit, 1 - 7 pqrs to enter an output group, 0 _ - 9 wxyz to enter output type, Yes to accept**
5 jkl	**Expander Outputs**	
6 mno	**Custom Outputs**	**Use 0 _ to select output, 1 - 8 tuv to select a switch, No to edit, 1 - 7 pqrs to enter an output group, 0 _ - 9 wxyz to enter output type, Yes to accept**
7 pqrs	**X-10 Outputs**	**Use 1 - 8 tuv to select an output, No to edit, 1 - 7 pqrs to enter an output group, 0 _ - 9 wxyz to enter output type, 0 _ - 9 wxyz to enter House/device Number, Yes to accept**

Key	Output Group	Outputs Types							
0 _	**Not Used:**	**Press Yes to accept**							
1	**System:**	**Use 0 _ - 9 wxyz to enter an output type or use ▲▼ to search, Yes to accept**							
		00:	Phone Line Fault	18:	UDL Lockout	35:	Custom 4 Stage A		
		01:	Mains Power Off	19:	UDL Call Active	36:	Custom 4 Stage B		
		02:	Aux Fuse Fault	20:	UDL Enabled	37:	Custom 4 Stage AB		
		03:	Auxiliary Tamper	21:	Confirmed Alarm	38:	Com 1 Fault		
		04:	Bell Tamper	22:	Custom 1 Stage A	39:	Com 2 Fault		
		05:	Panel Lid Tamper	23:	Custom 1 Stage B	40:	Com 1 No Signal		
		06:	Engineer Working	24:	Custom 1 Stage AB	41:	Com 2 No Signal		
		07:	Confirm Devices	25:	Custom 2 Stage A	42:	Coms Fault		
		08:	Service Required	26:	Custom 2 Stage B	43:	Radio Jamming		
		09:	Bell Fuse Blown	27:	Custom 2 Stage AB	46:	Radio RX Tamper		
		10:	Battery Fault	28:	Radio-Pad Failed	47:	Detector Test		
		11:	Battery Test On	30:	No Radio Signal	48:	ATS Remote Test		
		12:	Courtesy Light	31:	Radio-Pad Lost	49:	Dual Path Fault		
		13:	System Open	30:	No Radio Signal	50:	CIE Fault		
		14:	Fully Arm	31:	Radio-Pad Lost	51:	PSU Fuse Blown		
		15:	Digi Failed	32:	Custom 3 Stage A	52:	PSU Battery Flt		
		16:	Digi Successful	33:	Custom 3 Stage B	53:	WD Test Active		
		17:	Digi Active	34:	Custom 3 Stage AB				
2 abc	**Area:**	**12/24/48/88/168**							
		Use 0 _ - 9 wxyz to enter an output type or use ▲▼ to search, 1 - 8 tuv to select an area, (0 _ = all areas, Area = areas A – H and I –P), **Yes to accept**							
		640							
		Use 0 _ - 9 wxyz to enter an output type or use ▲▼ to search, ▲▼ to select an area, Yes to accept type, Chime - Part to select an area group (1-4), use Area to select areas A – H and I –P), **Yes to accept.**							
		00:	Intruder Alarm	19:	Exit Mode	38:	Chime Mimic	57:	Zones Locked Out
		01:	Guard 1 Alarm	20:	Entry/Exit Mode	39:	Chime Enabled	58:	All Armed
		02:	Guard 2 Alarm	21:	Armed	40:	DK First Knock	59:	Auto Arm Disable
		03:	Entry Alarm	22:	Full Arm	41:	BP First Knock	60:	Armed / Alarm
		04:	Confirmed Alarm	23:	Part Armed	42:	On Test	61:	Intruder Alarm
		05:	24Hr Audible	24:	Part Arming	43:	Test Fail	62:	Speaker Mimic
		06:	24Hr Silent	25:	Force Arm	44:	Internal Alarm	63:	Full Arm/Exit
		07:	24Hr Gas	26:	Force Arming	45:	Auto Arming	64:	Detector Fault

		08:	PA Audible	27:	Arm Fail	46:	Time Arming	65:	Detector Mask		
		09:	PA Silent	28:	Bell SAB	47:	1st Code Entered	66:	Fault Present		
		10:	Duress	29:	Bell SCB	48:	2nd Code Entered	67:	LED Control		
		11:	Fire Alarm	30:	Strobe	49:	Area Secured	68:	Full Armed Entry		
		12:	Medical	31:	Switch 12 Volts	50:	Part Armed 1	69:	Fire Sounder		
		13:	Auxiliary Alarm	32:	Detector Reset	51:	Part Armed 2	70:	Confirmed PA		
		14:	Tamper Alarm	33:	Walk Test Active	52:	Part Armed 3	71:	Confirmed Intruder		
		15:	Alarm Abort	34:	Zones Omitted	53:	Custom Alarm				
		16:	Ready	35:	24Hr Zones Omit	54:	Zone Warning				
		17:	Entry Mode	36:	Reset Required	55:	Arm Fail Warning				
		18:	2nd Entry Mode	37:	Door Strike	56:	Forced Entry				
3 def	**Zone:**	**Use 1 - 8 tuv to enter a zone number or use ◆ to search, 0 - 5 jkl to select a zone output type, Yes to accept**									
		1	Mimic	3 def	Alarm	5 jkl	MimicLatch				
		2 abc	MimicArm	4 ghi	Tamper	6 mno	Omitted				
4 ghi	**User:**	**Use 1 - 8 tuv to select a User code or use ◆ to search, Yes to accept**									
5 jkl	**Control Timer:**	**Use 1 - 8 tuv to select a Control Timer, Yes to accept**									
6 mno	**PC Control:**	**Use 1 - 8 tuv to select a PC Control, Yes to accept**									
7 pqrs	**Door Control:**	**Use 1 - 8 tuv to select a Door Control, Yes to accept**									
8 tuv	**X-10:**	**Use 1 - 8 tuv to select a an X-10 Output, Yes to accept**									

Key	Attributes	Attribute Types			
Yes	**Attributes**	**Press Yes to edit, 1 - 8 tuv to select attributes, Yes to accept**			
		1	**U** = User Test	5 jkl	**2** = Use Pulse Timer 2
		2 abc	**I** = Inverted	6 mno	**3** = Use Pulse Timer 3
		3 def	**L** = Latching	7 pqrs	**C** = Custom Output 1, Stage A
		4 ghi	**1** = Use Pulse Timer 1	8 tuv	**R** = Random

7 pqrs	UDL/Digi Options					
0	**Reset Digi**	**Press Yes to reset communicator**				
1	**Start Test call**	**Press Yes to send test call to the ARC, 1 - 3 def to initiate a call to the remote UDL computer** (using Call Back numbers 1, 2 or 3)				
2 abc	**Msn Pre Dial Number**	**Press No to edit, enter call waiting number, Yes to accept**				
		0 - 9 wxyz = Numbers 0 to 9		Chime	Insert a '**#**'	
		No then Yes = Clear Screen		Part	**,** (3 Second pause)	
		Omit Insert a '*****'		Area	**W** (10 Second pause)	
3 def	**Program Digi**	**Use ◆ to select ARC sets 1 - 3, No to edit**				
	Protocol	**Press No to edit, 0 - 4 ghi to select protocol, Yes to accept**				
		0	Disabled	2 abc	Contact ID	4 ghi	EasyCom Pager
		1	Fast Format	3 def	SIA Level II	5 jkl	SMS
	Primary Number	**Press No to edit, 0 - 9 wxyz to enter telephone number, Yes to accept**				
	Secondary Number	**Press No to edit, 0 - 9 wxyz to enter number, Yes to accept**				
	Account Number	**Press No to edit, 0 - 9 wxyz to enter number, Yes to accept**				
	Dialling Attempts	**Press No to edit, 0 - 9 wxyz to enter number, Yes to accept**				
	Reporting Channels	**Press No to edit, 1 - 8 tuv to select channels, Yes to accept** (only available for Fast Format)				
	Restoring Channels	**Press No to edit, 1 - 8 tuv to select channels, Yes to accept** (only available for Fast Format)				
	Open/Close Channels	**Press No to edit, 1 - 8 tuv to select channels, Yes to accept** (only available for Fast Format)				
	Reporting Areas 12/24/48/88/168	**Press No to edit, 1 - 8 tuv to select an area**, (0 = all areas, Area = areas A – H and I –P), Yes **to accept** (only available for Contact ID, SIA Level II, EasyCom Pager and SMS Messaging)				
	Reporting Areas 640	**Press No to edit, Chime - Part to select an area group (1-4)**, use Area to select areas A – H and I –P), Yes **to accept.** (only available for Contact ID, SIA Level II, EasyCom Pager and SMS Messaging)				
	Reporting Options	**Press No to edit, 1 - 8 tuv to select option, Yes to accept** (only available for Contact ID, SIA Level II, EasyCom Pager and SMS Messaging)				
		1	**P** = Priority Alarms	5 jkl	**M** = Maintenance		
		2 abc	**A** = Normal Alarms	6 mno	**T** = Tamper Alarms		
		3 def	**C** = Open/Close	7 pqrs	**C** = Test Calls		

7 pqrs	UDL/Digi Options	
		4 ghi **O** = Omits & Reinstates 8 tuv **R** = Restores
	Config.	**Press** No **to edit**, 1 **-** 8 tuv **to select option**, Yes **to accept** (only available for Contact ID, SIA Level II, EasyCom Pager & SMS Messaging)
		1 **A** = Use Area Acc 5 jkl **A** = Activate AV 2 abc **S** = Use SIA I 6 mno **F** = Use GSM First 3 def **R** = Enable RadioPad 7 pqrs **I** = Connect Via IP 4 ghi **G** = Enable GSM
4 ghi	**Digi Options**	**Press** No **to edit**, ▲▼ **to select an option**, No **to change the option**, Yes to accept
		1 **E** = Digi is Enabled 4 ghi **B** = Blind Dialling 2 abc **P** = Pulse Dialling 5 jkl **W** = Call Waiting On 3 def **3** = Pulse after 3 6 mno **A** = Dial All Numbers
5 jkl	**UDL Options**	**Press** No **to edit Call Back number 1**, **enter the number**, Yes **to accept**
		0 _ **-** 9 wxyz = Numbers 0 to 9 Chime Insert a '**#**' No then Yes = Clear Screen Part **,** (3 Second pause) Omit Insert a '*****' Area **W** (10 Second pause)
	Call Back Number 2	**Press** No **to edit Call Back number 2**, **enter the number**, Yes **to accept**
	Call Back Number 3	**Press** No **to edit Call Back number 3**, **enter the number**, Yes **to accept**
	UDL Password	**Press** No **to edit,** 0 _ **-** 9 wxyz **to enter number**, Yes **to accept**
	UDL options	**Press** No **to edit**, ▲▼ **to select an option**, No **to change option**, Yes **to accept**
		1 **A** = DL Attended 4 ghi **L** = Armed DL Limited 2 abc **M** = Manual Call-back 5 jkl **A** = Any Area Armed 3 def **D** = Call Defeat On 6 mno **K** = Online RKP = Off)
	Rings Required	**Press** No **to edit**, 0 _ **-** 9 wxyz **to enter number of rings**, Yes **to accept**
	UDL Dial Attempt	**Press** No **to edit**, 0 _ **-** 9 wxyz **to enter number of dialling attempts**, Yes **to accept**
6 mno	**Area Accounts**	**Use** ▲▼ **to select an area**, No **to edit**, 0 _ **-** 9 wxyz **to enter account number**, Yes **to accept**
7 pqrs	**Setup Modules**	**Press** Reset **to reset communicator**
	Setup Radio-Pad?	**Press** Yes **to set-up Radio-Pad,** Menu **to exit**
	Pad ARC 1 Pri No	**Press** No **to edit**, 0 _ **-** 9 wxyz **to enter telephone number**, Yes **to accept**
	Pad ARC 1 Sec No	**Press** No **to edit**, 0 _ **-** 9 wxyz **to enter telephone number**, Yes **to accept**
	Pad ARC 1 Prefix	**Press** No **to edit**, 0 _ **-** 9 wxyz **to enter pad prefix**, Yes **to accept**
	Pad ARC 2 Pri No	**Press** No **to edit**, 0 _ **-** 9 wxyz **to enter telephone number**, Yes **to accept**
	Pad ARC 2 Sec No	**Press** No **to edit**, 0 _ **-** 9 wxyz **to enter telephone number**, Yes **to accept**
	Pad ARC 2 Prefix	**Press** No **to edit**, 0 _ **-** 9 wxyz **to enter pad prefix**, Yes **to accept**
	Pad ARC 3 Pri No	**Press** No **to edit**, 0 _ **-** 9 wxyz **to enter telephone number**, Yes **to accept**
	Pad ARC 3 Sec No	**Press** No **to edit**, 0 _ **-** 9 wxyz **to enter telephone number**, Yes **to accept**
	Pad ARC 3 Prefix	**Press** No **to edit**, 0 _ **-** 9 wxyz **to enter pad prefix**, Yes **to accept**
	Setup AV Module?	**Press** Yes **to set-up AV Module,** Menu **to exit**
	AV No.1	**Press** No **to edit**, 0 _ **-** 9 wxyz **to enter telephone number**, Yes **to accept**
	AV No.2	**Press** No **to edit**, 0 _ **-** 9 wxyz **to enter telephone number**, Yes **to accept**
	AV No.3	**Press** No **to edit**, 0 _ **-** 9 wxyz **to enter telephone number**, Yes **to accept**
	AV Dial Attempts	**Press** No **to edit**, 0 _ **-** 9 wxyz **to enter number of dialling attempts**, Yes **to accept**
	AV Re-Dial Delay	**Press** No **to edit**, 0 _ **-** 9 wxyz **to enter the re-dial delay**, Yes **to accept**
	Setup IP Data?	**Press** Yes **to set-up IP Module,** Menu **to exit**
	ComIP Address	**Press** No **to edit**, 0 _ **-** 9 wxyz **to enter an IP Address**, Yes **to accept**
	ComIP Port	**Press** No **to edit**, 0 _ **-** 9 wxyz **to enter a Port Number**, Yes **to accept**
	ComIP Gateway	**Press** No **to edit**, 0 _ **-** 9 wxyz **to enter a Gateway Address**, Yes **to accept**
	ComIP Mask	**Press** No **to edit**, 0 _ **-** 9 wxyz **to enter a Subnet Mask**, Yes **to accept**
	Polling /SMG IP	**Press** No **to edit**, 0 _ **-** 9 wxyz **to an IP Address**, Yes **to accept**
	Name/SMG Port	**Press** No **to edit**, 0 _ **-** 9 wxyz **to a Name**, Yes **to accept**
	Setup GPRS Data?	**Press** Yes **to set-up Chiron IRIS GPRS Data,** Menu **to exit**
	Access Pnt Name	**Press** No **to edit**, 0 _ **-** 9 wxyz **to enter an Access Point Name**, Yes **to accept**
	User Name	**Press** No **to edit**, 0 _ **-** 9 wxyz **to enter a User Name**, Yes **to accept**
	Password	**Press** No **to edit**, 0 _ **-** 9 wxyz **to enter a Password**, Yes **to accept**
	SMS Centre Pri	**Press** No **to edit**, 0 _ **-** 9 wxyz **to enter telephone number**, Yes **to accept**
	SMS Centre Sec	**Press** No **to edit**, 0 _ **-** 9 wxyz **to enter telephone number**, Yes **to accept**
	Modem Setup Stg.	**Press** No **to edit**, 0 _ **-** 9 wxyz **to enter modem string**, Yes **to accept**
	Modem Speed	**Press** No **to edit**, 0 _ **-** 9 wxyz **to enter telephone number**, Yes **to accept**
	Pad ESN	View only

7 pqrs	UDL/Digi Options					
	Pad NUA	View only				
	Forward Signal	View only				
	Reverse Signal	View only				
	Bit Error Rate	View only				
	Cyclic Redundancy	View only				
	GSM Signal/BER	View only				
	Com1,2,3	**Press Reset to reset com port**				
8 tuv	**Com Port Setup** Onboard Digi Port Com Ports 1, 2 & 3* * 640 only	**Use 0 - 3 to select a com port, No to edit, ▲▼ to select an option, Yes to accept**				
		0	Nothing Fitted	5 jkl	Modem Unit	▲▼	RadioPlus
		1	Com300	6 mno	Radio-pad	▲▼	Inovonics Radio
		2 abc	Com2400	7 pqrs	GSM Module	▲▼	WebWayOne/Emizon Module
		3 def	ComISDN	8 tuv	Crestron System	▲▼	X-10 Control
		4 ghi	ComIP	9 wxyz	SIP	▲▼	IRIS IP Module
	Expansion Port	0	Nothing Fitted	2 abc	ID Module	4 ghi	Memory Module
		1	AV Module	3 def	X10 Module		

8 tuv	Setup Users					
Yes	**Select User**	**Use 0 - 9 to enter enter a user number, Reset to Delete User, Omit to assign a Radio FOB, Chime to Copy a TAG, Part to Import a TAG, Yes to enter a Code**				
Yes	**User Code**	**Use 0 - 9 to enter a code, Yes to accept**				
Yes	**User Areas 24/48/88/168**	**Use 1 - 8 to select an area**, (0 = all areas, Area = areas A – H and I –P), **Yes to accept**				
	User Areas 640	**Use Chime - Part to select an area group (1-4)**, use Area to select areas A – H and I –P, **Yes to accept.**				
Yes	**User Types**	**Use 0 - 9 to select a user type, Yes to accept**				
		1	Master	5 jkl	Arm Only	9 wxyz	Custom
		2 abc	Manager	6 mno	Duress	0	Engineer
		3 def	Standard	7 pqrs	Door Strike		
		4 ghi	Local	8 tuv	Vacation		
Yes	**User Options 1**	**Press No to edit, ▲▼ to select an option, No to change option, Yes to accept**				
		1	**A** = Arming	4 ghi	**R** = Eng. Reset	7 pqrs	**Y** = Auto 'YES'
		2 abc	**D** = Disarming	5 jkl	**a** = Local Arming	8 tuv	**D** = Disarm First
		3 def	**O** = Omitting	6 mno	**d** = Local Disarming		
Yes	**User Options 2** (only available to Custom users)	**Press No to edit, ▲▼ to select an option, No to change option, Yes to accept**				
		1	**U** = User Menu	4 ghi	**V** = Vacation	7 pqrs	**C** = Duress Code
		2 abc	**E** = Eng. Program	5 jkl	**S** = Door strike	8 tuv	**O** = Open/Close
		3 def	**D** = Dual Code	6 mno	**R** = Call Rem. PC		
Yes	**User Config**. (only available to Custom users with User Menu)	**Press No to edit, ▲▼ to select an option, No to change option, Yes to accept**				
		1	**C** = Change Code	4 ghi	**S** = System tests	7 pqrs	**A** = Add Eng. Code
		2 abc	**Z** = Chime Zones	5 jkl	**U** = Setup Users	8 tuv	**N** = NVM Locking
		3 def	**T** = Change Timer	6 mno	**E** = Eng. Access		
Yes	**User Time Lock**	**Use 1 - 8 to select a control timer, Yes to accept**				
Yes	**User Text**	**Press No to edit, 0 - 9 to select characters** (press the required key the appropriate number of times), **Yes to accept**				
		1	. , ? ! 1 @ " -	6 mno	M N O 6	▲▼	Move Cursor
		2 abc	A B C 2	7 pqrs	P Q R S 7	Chime	Copy Text to Memory
		3 def	D E F 3	8 tuv	T U V 8	Part	Paste Text from Memory
		4 ghi	G H I 4	9 wxyz	W X Y Z 9	No	Upper, Lower Case, Predictive Text & Numerical
		5 jkl	J K L 5	0	0 _		
Yes	**Door Control** (only available to Users with Door Strike attribute)	**Use 1 - 8 to select a door, 0 to select network Yes to accept**				
		1	Door 1	4 ghi	Door 4	7 pqrs	Door 7
		2 abc	Door 2	5 jkl	Door 5	8 tuv	Door 8
		3 def	Door 3	6 mno	Door 6	0	Select Network
Yes	**Assign Prox TAG**	**Press Yes to assign TAG, present TAG to 'Prox' symbol on keypad**				

9 wxyz	Engineer Utils	
0	**View System Log**	**Yes to view System, Alarm or Mandatory log**
1 2 abc 3 def	**System log** **Alarm Log** **Mandatory Log**	**Use ↕ to move up and down through log** (down moves back in time, up moves forward again), **Area to show area information or time and date**, **1 - 7 pqrs or Chime to find specific events** ↕ Move backwards and forwards Area View Area/Time and date 1 View Priority Alarms 2 abc View Normal Alarms 3 def View Open/Close Events 4 ghi View Omits/Reinstate Events 5 jkl View Maintenance Events 6 mno View Tamper Alarms 7 pqrs View Test Call Events Chime View Matching Events
1	**Do Bell Test**	**Use ↕ to select an option, use 1 - 8 tuv or Yes to activate outputs** 1: Test Bell 2: Test Strobe 3: Test Speaker 4: Test Digi 5: Test Panel 6: Test RedCARE 7: Fast 8: LCD Display 9: User Outputs
2 abc	**Do Walk Test**	**Press Area to display zones that have been tested/still need testing**, **Chime to make zones Chime every time they are activated**.
3 def	**View Zone Status**	**Use 0 - 9 wxyz to enter zone number or use ↕ to search**, **Chime to walk test selected zone**, **Omit to omit zone temporarily**
4 ghi	**System Tests**	**Use 1 - 4 ghi to select an option or use ↕ to search, Yes to accept** 1 View Sys. Status 2 abc View Batt Status 3 def Test Outputs (see Do Bell Test) 4 ghi View Version No.
5 jkl	**Confirm Devices**	**Use ↕ to select network, Yes to confirm Devices**, **Area to view error count**, **Reset to reset error count**
6 mno	**Check RKP Status**	**Use 1 - 8 tuv to select keypad, 0 to select network, Area to display errors/tamper, No to test output, Omit to test sounder,**
7 pqrs	**Check Exp. Status**	**Use 1 - 8 tuv to select expander, 0 to select network**, **Area to display zones/voltage/outputs/errors, Chime to test zones, Omit to test sounder,** **1 - 8 tuv to test outputs**
8 tuv	**Set System Time**	**Use 0 - 9 wxyz to enter time** (24-hour format) **H H M M**, **Yes to accept**
9 wxyz	**Set System Date**	**Use 0 - 9 wxyz to enter date D D M M Y Y, Yes to accept**
↕	**Location Text**	**Press Yes to view Location Text**
↕	**Print Log**	**Use 1 - 8 tuv to enter number of events to be printed**, **Yes to print log**
↕	**Start Soak Test**	**Use 1 - 8 tuv to select an area**, (**0** = all areas, **Area** = areas A – H and I –P), **Yes to accept**, **Yes to start test**
↕	**Change Eng.Code**	**Use 0 - 9 wxyz to enter a code**, **Yes to accept**
↕	**Adjust Volumes**	**Use ↕ to select Panel, Keypad or Expander speakers. Press No to edit, 0 - 8 tuv to enter a value, Yes to accept**
↕	**Default NVM Data**	**Press 1 - 8 tuv to select an option or ↕ to search**, **Yes to default** 00: Panel Outputs 01: Digi Outputs 02: Expander Outputs 03: Keypad Outputs 04: Com???? Channels 05: RedCARE Pins 06: Zone Types 07: Zone Text 08: Expander Options 09: Remote Options 10: User Codes 11: System Timers 12: System Options 13: Area Options 14: System Text 15: UDL Options 16: Digi Options
↕	**View iD Data**	**Use 0 to select loop**, **Area to select normal scan**, **quick scan or biscuit mapping**. **Use ↕ to select biscuit, No to edit**, **0 - 9 wxyz to enter zone number**, **Yes to accept**
↕	**Configure Radio**	**Use 1 - 8 tuv to select a device, Yes to learn device, No to map zone, 1 - 8 tuv to enter zone number, Yes accept**
↕	**Ricochet Diagnostics**	**Use 1 - 8 tuv to select a device, Chime to scroll between different diagnostics screens.**

Omit *	***Ricochet*® Learn**
	Will go to the next available wireless zone starting at 9 or Press ⇕ to search. Learning always starts from the next available zone, deleting ways starts from the highest zone learnt to the system.
	Reset Enters the Delete Menu

**Where available.*

Part	**Alter Part Arms**					
	Press 0 - 9 to enter zone number or use ⇕ to search, Omit, Chime or Part to select Part Arms 1, 2 or 3					
	Omit	Part Arm 1	Chime	Part Arm 2	Part	Part Arm 3

Changing the default codes

When the control panel is first powered up and the factory default settings are loaded only the Engineer code and the Master User code exist.

The Factory default Engineer User code is 1 2 3 4.

NOTE *The Engineer is always User 00.*

The Factory default Master User code is
5 6 7 8.

NOTE *The Master User is always User 01.*

If the Master User code has been lost or forgotten, it can be reprogrammed by the Engineer in this menu.

Changing the Default Codes

To change the default User Code proceed as follows:-

Users with access to this option can change their own User codes. User codes are unique to each user and can be 4, 5 or 6 digits long.

Before changing the codes, it is vital that you memorise or write down the new code you are about to program.

User

1. 1 2 3 4
2. **Press 8**
3. **Press Yes**
4. **Enter 0 0 1**
5. **Press Yes**
6. **Enter a new 4, 5 or 6-digit User code ? ? ? ?**
7. **Press Yes to accept the new code**
8. **Press Menu**
9. **Press Menu again**
10. **Press Yes to exit the menu** The display will return to normal

Engineer

1. 1 2 3 4
2. **Press 8**
3. **Press Yes**
4. **Enter 0 0 0**
5. **Press Yes**
6. **Enter a new 4, 5 or 6-digit User code ? ? ? ?**
7. **Press Yes to accept the new code**
8. **Press Menu**
9. **Press Menu again**
10. **Press Yes to exit the menu** The display will return to normal

Changing the Time & Date

Time

1. **Enter the User Code** ? ? ? ?
2. **Press** Menu
3. **Press** Yes
4. **Press** 7 pqrs
5. **Press** Yes
6. **Enter the new time** ? ? ? ?
7. **Press** Yes
8. **Press** Menu
9. **Press** Reset
10. **Press** Yes **to exit the menu** The display will return to normal

Date

1. **Enter the User Code** ? ? ? ?
2. **Press** Menu
3. **Press** Yes
4. **Press** 7 pqrs
5. **Press** Yes
6. **Enter the new time** ? ? ? ?
7. **Press** Yes
8. **Press** Menu
9. **Press** Reset
10. **Press** Yes **to exit the menu** The display will return to normal

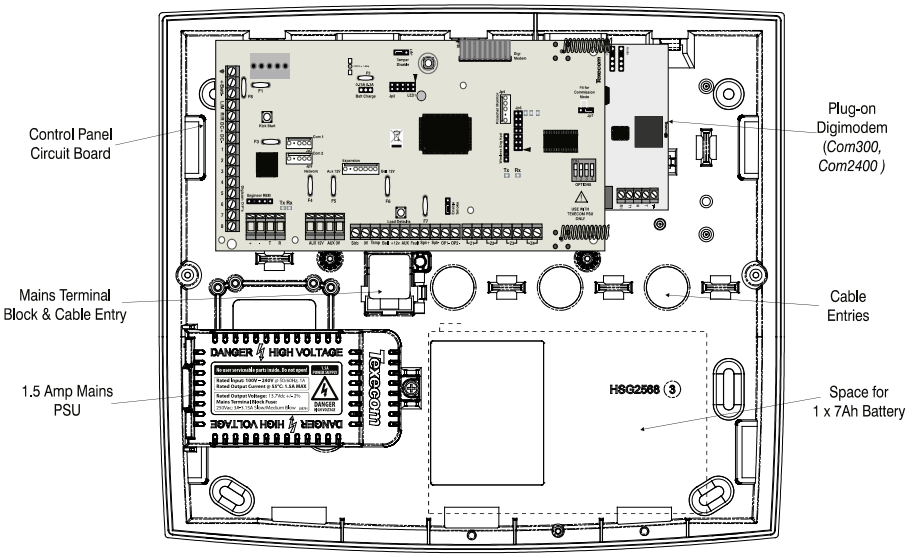
To programme any advanced features of the system, or to add codes for users, add device descriptions etc...Please refer to INS176- on the enclosed CD.

Control Panel Features

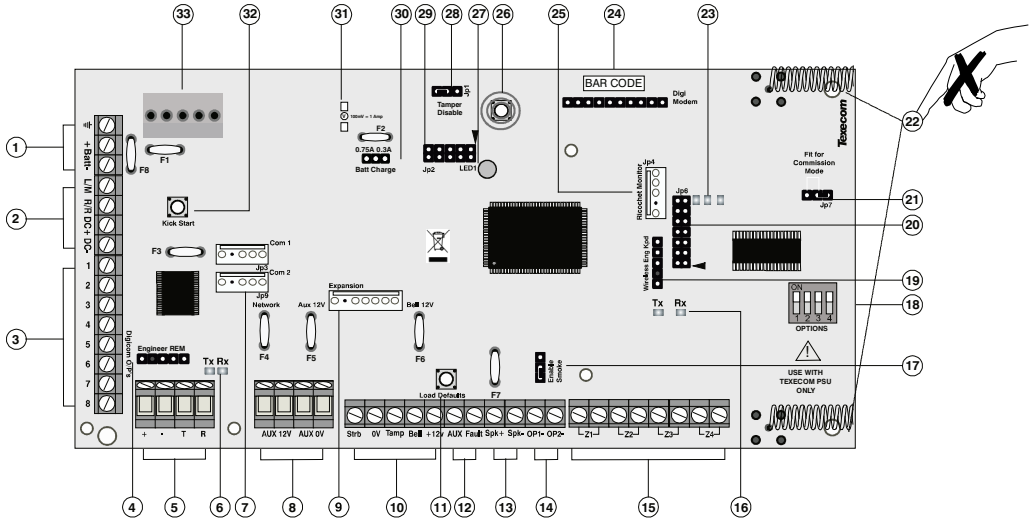
Premier Elite 12-W/24-W/48-W

- 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
- 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

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

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

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

Texecom

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

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INS626

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