Installation Manual

Premier IXP-W

INS538

))) RICOCHET
mesh technology

Texecom
Designed to Perform

1. Contents

2. Premier IXP-W Interface

The **Premier IXP-W** Interface is designed to be used in conjunction with a **Premier 8XP-W**/**32XP-W** Wireless Mesh Networking Expander.

The **IXP-W** allows you to use **Ricochet™** enabled sensors and devices on any control panel.

For the purposes of illustration the **Texecom Veritas** is shown in this manual as an example for connection.

This manual should be read along with INS467 for the **Premier 8XP-W & 32XP-W**, and with any device specific installation manuals.
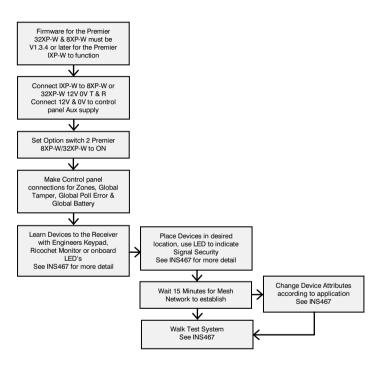
Premier 8XP-W & 32XP-W Firmware

The Premier IXP-W is only compatible with firmware version 1.3.4 and later of the Premier 8XP-W & 32XP-W.

To check the firmware version of your receiver you can use either Ricochet Monitor software, or a Premier Engineers keypad. The firmware version is also printed on a small sticker located on the main processor on the PCB.
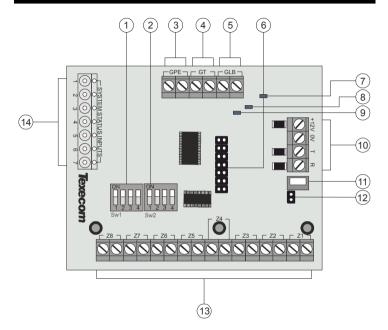
Please see INS467 Installation Instructions Premier 8XP-W/32XP-W or the Ricochet Monitor Help files.

3. Quick Start Guide

Firmware for the Premier 32XP-W & 8XP-W must be V1.3.4 or later for the Premier IXP-W to function

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Connect IXP-W to 8XP-W or 32XP-W 12V 0V T & R Connect 12V & 0V to control panel Aux supply

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Set Option switch 2 Premier 8XP-W/32XP-W to ON

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Make Control panel connections for Zones, Global Tamper, Global Poll Error & Global Battery

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Learn Devices to the Receiver with Engineers Keypad, Ricochet Monitor or onboard LED's
See INS467 for more detail

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Place Devices in desired location, use LED to indicate Signal Security
See INS467 for more detail

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Wait 15 Minutes for Mesh Network to establish

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Change Device Attributes according to application
See INS467

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Walk Test System
See INS467

4. System Overview

1: Address Switches
Not Used.

2: Option Switches
Only Switch 4 is used to enable/disable Walktest Mode, this is the same as on the receiver, please see INS467 for more information.

3: Global Poll Error
Connect to a spare Zone on the control panel to signal a polling error from a device.

4: Global Tamper
Connect to Global Tamper, or a spare circuit on the control panel to indicate Tamper on either a device, the IXP-W or the Receiver.

5: Global Low Battery
Connect to a spare zone on the control panel to signal low battery from devices on the system. If not required link out.

6: Flash Programming Port
For future use.

7: Heartbeat LED
This LED beats once per second.

8: Transmit LED
Pulses when data is being transmitted.

9: Receive LED
Pulses when data is being received.

10: Network Connection
Network connections for connecting the IXP to the receiver.

11: Cover Tamper
Tamper Switch connection.

12: Tamper Disable
Link out to disable cover tamper.

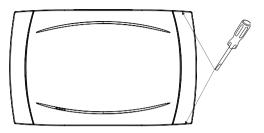**13: Zone Connections**
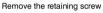For connecting the IXP-W to the control panel.
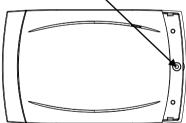
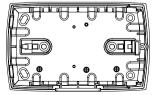**14: System Status Connections**
For Future Use

Mounting the IXP-W

Remove the Screw cover by locating the two small indents on the upper and lower edge with a small screwdriver, excessive force is not required.

Remove the retaining screw

Wiring

It is strongly recommended that the system is completely powered down (mains and battery) before wiring the expander and interface card. Connect the expander to the interface using 4-core cable, and make all other connections as follows:

Expander	Interface	Panel	Description
+	+	Aux +	+12V Supply
-	-	Aux -	0V Supply
T	T	N/A	Transmit Data
R	R	N/A	Receive Data
	Z1-Z8	Panel Zones	Radio Devices N/C Input
	GPE	Panel Zone or Separate* Aux Input	Global Poll Error N/C Input
	GLB	Panel Zone or Separate* Aux Input	Global Low Battery N/C Input
	GT	Global Tamper or Separate* Aux Input	Global Tamper for devices, Expander & Interface

To ensure correct operation, all four terminals on the interface must be connected to the corresponding terminals on the expander.

If Global Poll or Global Low battery are not required, link out the connections on the IXP-W.

* Do not wire all of these to the same input!

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.*

5. Programming

Option Switch Settings
All switches on the IXP-W should be turned OFF.

Option switch 2 on the Premier 8XP-W/32XP-W should be turned ON.

Configuring Radio devices
Up to 8 wireless devices of any combination can be learnt to the system. When learning devices the receiver needs to be in "commission mode", please see INS467 for details.

Adding Devices to the Receiver

Devices can be learned onto the system in three ways. It is highly recommended that *Ricochet Monitor ™* is used to add/delete devices and to monitor system status and the *Signal Security™* of the mesh network.

Ricochet Monitor™
To use Ricochet Monitor follow the instructions detailed in the Information files of the programme for Adding & Deleting Devices.

Engineers Keypad
To use an Engineers Keypad follow the instructions in INS467 the Installation Manual for the Premier 8XP-W & 32XP-W.

Premier 8XP-W & 32XP-W Learn Switch
It is possible to learn devices directly to the receiver using the learn switch on the receiver, to use this option please follow the instructions in INS467 the Installation Manual for the Premier 8XP-W & 32XP-W.

6. Specifications

Electrical

Operating Voltage	10 - 13.7VDC
Current Consumption	<20mA
Network	4-wire standard 7/0.2 alarm cable up to 250m.
Inputs 1 - 8	N/C
Weight	Boxed 176g unboxed 151g
Dimensions	L147mm x W92mm x H32mm
Operating Temperature	-10°C (+14°F) to +50°C (+122°F)
Storage Temperature	-20°C (-4°F) to +60°C (+140°F)
Maximum Humidity	95% non-condensing
EMC Environment	Residential, Commercial, Light Industrial or Industrial

Standards

The Premier IXP conforms to European Union (EU) Low Voltage Directive (LVD) 2006/95/EC. Electro-Magnetic Compatibility (EMC) Directive (2004/108/EC. RoHS Directive 2002/95/EC this device does not contain lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) or polybrominated depheny ethers (PBDE) in more than the percentage described in the EU Directives, except exceptions described in the EU Directive.

WEEE Directive (2002/96/EC) 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

EN50131-1	Alarm systems. Intrusion & hold up alarm systems. System requirements. Grade 2 Class II
EN50131-3	Alarm systems. Intrusion & hold up alarm systems. Control and indicating equipment. Grade 2 Class II
PD6662	Scheme for the application of European standards for intrusion and hold up alarm systems. Grade 2 Class II

Warranty

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

As the *Premier IXP-W* interface 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 IXP-W* interface 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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