Professional Wireless Security

with **RICOCHET**™ mesh technology

RICOCHET® mesh technology

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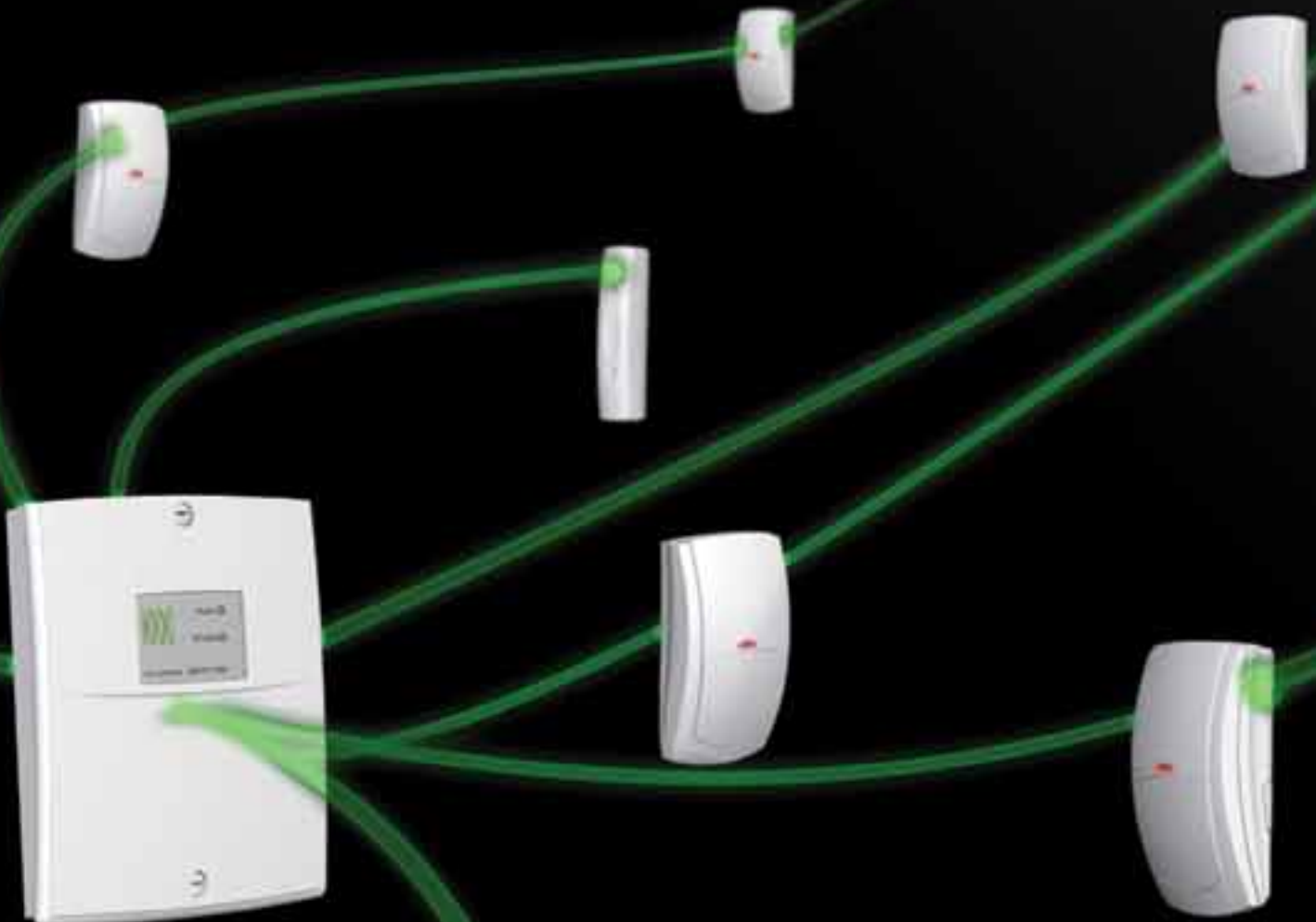Designed to Perform

RICOCHET™ wireless technology

Introducing the next generation of wireless security, Texecom's new **RICOCHET** mesh networking wireless technology delivers more performance than any other wireless security system.

RICOCHET enabled wireless devices receive and repeat wireless transmissions from other devices. 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 Texecom Premier Control Panels. Should wireless connection between two devices weaken, the network will 'self-heal' and automatically re-route communications via alternate **RICOCHET** enabled devices. With more **RICOCHET** enabled devices installed, the greater the reliability of the system.

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RESIDENTIAL

RICOCHET enabled wireless devices protect residential properties with ease. A new Commission Mode* setup procedure makes the installation process simple, reliable and fast.

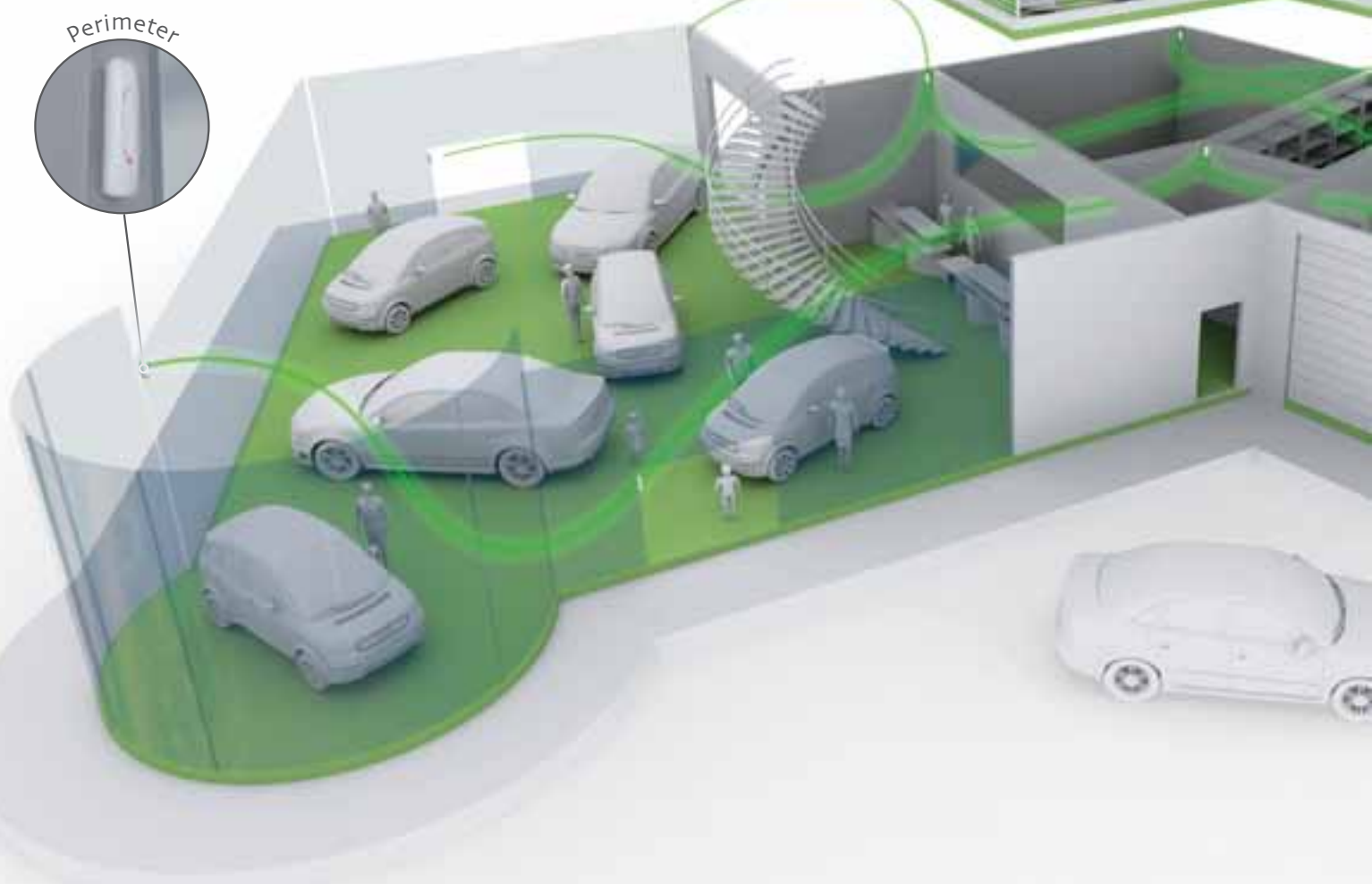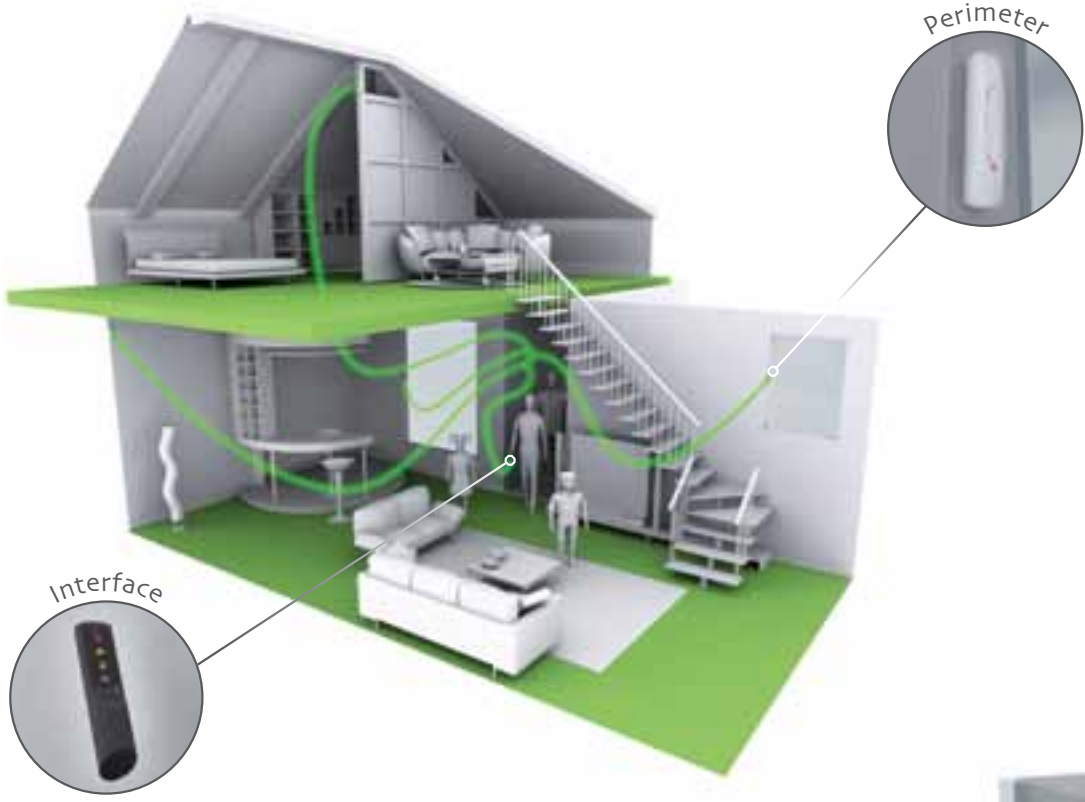*World-wide patents pending

COMMERCIAL

The new **RICOCHET** wireless technology has been invented to provide reliable wireless communications in commercial environments. The Signal Security™ and self-healing functions deliver unparalleled communications reliability.
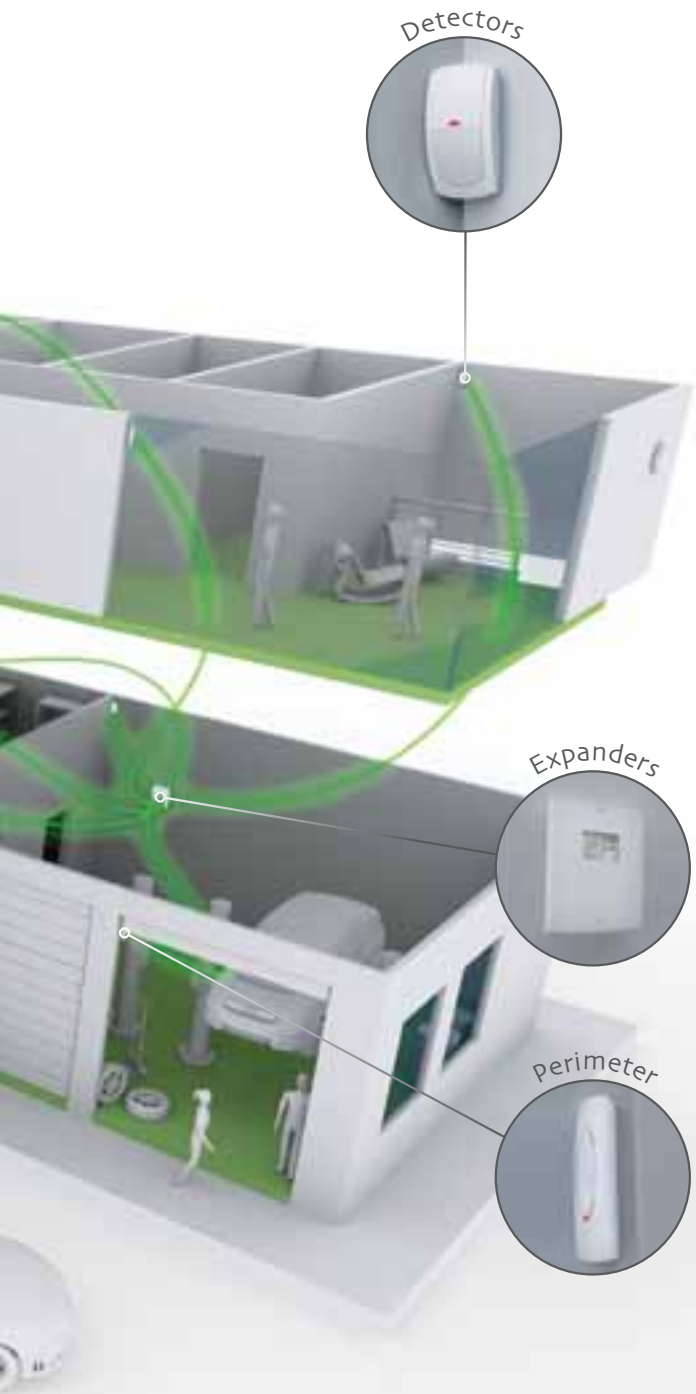
SCALABLE

Future **RICOCHET** enabled wireless devices will be truly scalable, with multiple wireless networks running side-by-side capturing hundreds of wireless devices.

Perimeter

Interface

Perimeter

Detectors

Expanders

Perimeter

RICOCHET®
mesh technology

Features

Mesh Network
RICOCHET enabled devices create a system whereby each wireless device is capable of repeating messages from other wireless devices.

Bi-Directional
Two-way communication between **RICOCHET** enabled devices and the control system increases efficiency and reliability while providing enhanced functionality.

Self-Healing
RICOCHET enabled devices dynamically change wireless signal routing to utilise the most reliable communication pathway available.

Superior Range
RICOCHET enabled devices feature class-leading point-to-point wireless range. When used as part of a mesh-network, the range is extended further as each wireless device acts as a repeater, extending the range for further devices.

Signal Security
RICOCHET enabled wireless devices provide multiple communication routes. Signal Security measures the number of alternative routes and offers superior indication of system integrity when compared to signal strength alone.

Commission Mode
A **RICOCHET** enabled system set-up procedure whereby wireless connectivity is indicated on each individual device.

Energy Efficiency
A **RICOCHET** enabled wireless device will use 1000 times less energy than an equivalent hard-wired product.

Signal Encryption
All **RICOCHET** wireless communications are protected by sophisticated encryption algorithms.
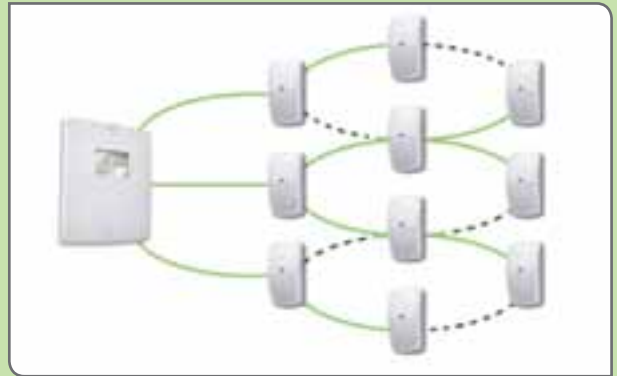
EASIER

Simple to setup, quick to install.

With 'in-range' indication at each device, combined with automatic wireless routing, installing a wireless system has never been **easier**.

SMARTER

An intelligent system is a reliable system.

Multiple signal routes adapt to the environment instantly. Signal Security measurements provide peace of mind. Do more with wireless; be **smarter**.

FURTHER

Greater range delivers greater protection.

Adding devices increases the range of the system making extra repeaters no longer required. Let **RICOCHET** wireless technology take you **further**.

Wireless range comparison

RICOCHET Wireless

3 x Range

Professional Wireless

Residential Wireless

Distance

System Setup Tools

Commission Mode

The most basic and simple feature is the device commission mode. Once a device has been connected onto a system, the device LED flashes to indicate adequate communication to the wireless expander. This is made possible by the bi-directional signalling across the mesh-network and turns each device into its own signal strength meter.

The Commission Mode feature is the most simple, quick and easy method of installing a wireless security system.

Keypad Diagnostics

The next level of diagnostic support is an engineer's keypad facility. Any Premier LCD keypad can simply be connected to **RICOCHET** enabled wireless expander and a host of diagnostic features is made available. Devices can be learned or removed from the system, signal strength information and communication routing information is all available on-screen. All the different device attribute features can be programmed from this menu structure.

The latest version of Premier Series control panel software provides diagnostic support directly from the control panel interface.
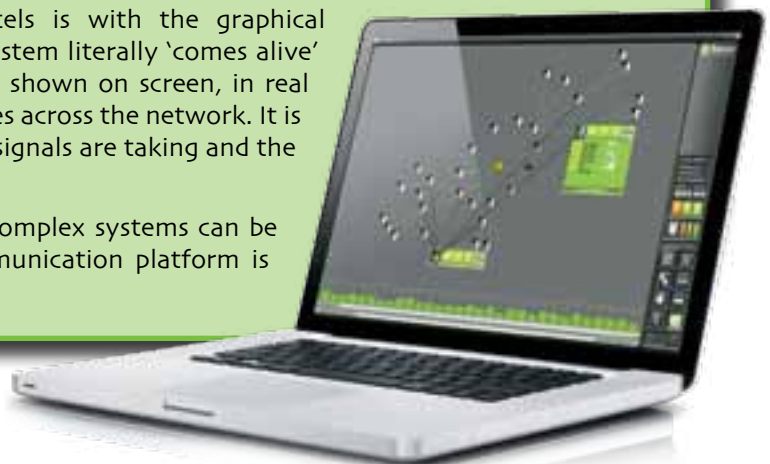
PC Software

The most advanced diagnostic tool is the PC-based **RICOCHET** Monitor software. This software, when installed on a laptop and connected to a **RICOCHET** enabled wireless expander, provides greater visibility and control over the wireless system performance than ever before.

From a simple, intuitive menu screen all device status is available at a glance, with clear graphics highlighting signalling performance. Device attributes can be configured and distributed across the network in seconds thanks to an innovative 'global poll' function that communicates to all devices within moments.

Where the **RICOCHET** Monitor software really excels is with the graphical representation of the mesh-networking system. The system literally 'comes alive' when the graphical function is selected. Each device is shown on screen, in real time, placed according to where the device communicates across the network. It is instantly visible and clear which routes communication signals are taking and the overall network performance is demonstrated.

With the power of the graphical user interface, even complex systems can be diagnosed simply, providing confidence that the communication platform is robust and reliable.

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