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.

RICOCHET™ EASIER. SMARTER. FURTHER.
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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.

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.

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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 learnt 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.

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.

System Setup Tools

EASIER
Single to setup, quick to install.

SMARTER
An innovative system is a easier system.

FURTHER
Greater range delivers greater protection.

Benefits

- EASIER
- SMARTER
- FURTHER

Features

- Mesh Network
- Multifunctional
- Self-Healing
- Superior Range
- Signal Security
- Commission Mode
- Energy Efficiency
- Signal Encryption

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.

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

Benefits

EASIER
Single to setup, quick to install.

- Simple to setup, quick to install.
- Adding devices increases the range of the system.
- Multiple signal routes adapt to the environment instantly.
- Signal strength measurements provide peace of mind.
- The system literally ‘comes alive’ when the graphical function is selected.

SMARTER
Accommodates systems in a variety of locations.

- Multiple signal routes adapt to the environment instantly.
- Keypad diagnostics are available from any Premier LCD keypad.

Further
- A RICOCHET enabled system setup procedure whereby wireless connectivity is indicated on each individual device.
- Signal encryption is used to ensure the confidentiality and integrity of data transmitted between devices.

Features

- Mesh Network
- Multifunctional
- Self-Healing
- Superior Range
- Signal Security
- Commission Mode
- Energy Efficiency
- Signal Encryption

System Setup Tools

- PC Software
- Keypad Diagnostics
- Commission Mode
- RICOCHET mesh technology

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 complete system diagnostics. The software provides visibility into the wireless system performance from anywhere.

Keypad Diagnostics

Commission Mode

The latest version of Premier Series control panel software supports Commission Mode. Any Premier LCD keypad can simply be connected to a RICOCHET enabled wireless expander and a host of diagnostic features is made available. Devices can be learnt 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.

RICOCHET mesh technology

RICOCHET mesh technology supports asynchronous, self-healing, multi-hop radio links for wireless security systems. It provides self-healing mesh networking, where each device is capable of repeating messages from other wireless devices. This ensures that communication is maintained even if one or more devices fail.

Commission Mode

A RICOCHET enabled system setup 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.

Wireless range comparison

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.

Professional Wireless Residential Distance

3 x Range

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.

RICOCHET mesh technology
Professional Wireless Security
with RICOCHET™ mesh technology

Professional Wireless Security

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