



## **REPEATER - uRx and uTx**

The repeater station is used to increase the range between a Roboguard receiver and any Roboguard transmitter.

The repeater comprises a Universal Receiver (uRx) wired to a Universal Transmitter (uTx).

The uRx will pick up any roboguard signal, pass it on to the uTx and the signal will be re-transmitted 400 metres.

The uTx can be configured to delay the re-transmission. Although not often used, this feature is important to determine if the repeater is working properly.

By setting a 4 second delay (see uTx Manual) with the Repeater, HQ and Roboguard close together, an intruder signal from the Roboguard will trigger the HQ first and the Repeater will trigger the HQ a second time, 4 seconds later.

Then reset the uTx to default. The default setting will not cause a second HQ trigger.

The Repeater station will 'bounce' a roboguard signal over an obstacle such as a hill or building that is obstructing the signal.

The repeater should be mounted in a high spot where it can receive the Roboguard signal (you can use an HQ to determine a suitable location – inside a roof or on top of a building, for example) and it will then re-transmit the signal to the HQ/Receiver.

The Repeater Station is particularly effective in commercial or residential/townhouse applications, where the receiver is in a Guard hut and the Roboguards are mounted at great distance or in obscure locations.

The repeater can be used to improve the range of the Roboguard Remote.

The uRx and uTx housing is not waterproof so the Repeater Station should be mounted under cover or in a suitable waterproof box if outdoors.

## WIRING A REPEATER

(see uTx Manual for configuration options)

