Watchguard™
www.watchguardalarms.com.au

Wireless RF Keypad
Part No: WKP

N517

Owner's Manual   REV 2.1

Thank you for purchasing a Rhino Wireless Keypad (WKP). Please read this manual carefully before operating and keep it in a safe place for future reference.

Master Code:

Your WKP can be utilized with any of the products shown below:

Watchguard™ Wireless Home Alarm

Alarm Panel Receivers
(SMS8RX, KISSRX, PIMARX)

Car Alarms & Immobilisers
(GT, RA, RES4601V2, RAM)

Universal Receivers
(RCV, RXPROR, RXPRO)

Shown Actual size
45 x 55mm

Contents

Features

The Rhino Wireless Keypad is designed for use with any product that can currently utilise Rhino Code Hopping Remote Controls. The WKP can replicate the function of any of the individual buttons on nay Rhino Code Hopping Remote Control (up to 7 channels). The Wireless Keypad offers the security of a user-programmable 4 Digit PIN number.

The Rhino WKP is designed primarily for the following applications:

- Prevents unauthorised use due to loss of remote controls.
- Where the added security of a PIN number is required to activate the system, with the added ability to easily change the PIN number at any time i.e. when staff are terminated.
- For use with hardwired alarm systems where it is impossible or not cost effective to run a keypad to the preferred customer's keypad location. Using a low cost Rhino Receiver with a WKP is a perfect solution in this case.

Note: No function that requires a button to be held can currently be replicated by the WKP.

Main Features

- Compatible with all Rhino Code Hopping Remote Control products.

- Secure Code Hopping transmission encryption, utilizes over 4 billion random combinations to prevent scanning, code grabbing and duplicating.

- Secure user programmable 4-Digit PIN number to avoid unauthorised use.

- Long Life Lithium Batteries.

- Up to 7 secure transmission channels.

- Backlit buttons for use during low light conditions.

- Audible confirmation for each button press and on correct PIN number entry.
- Audible low battery warning.

- Wall mountable or portable.

- SAW locked transmitter will never drift off frequency for reliable operation.

- Concealed on-board antenna.

Operation

Activating the Wireless Keypad

The Wireless Keypad is first activated by pressing the '#' key. A single beep tone will be sounded to indicate the keypad is active, and the LED lights behind the buttons will also switch on.

The Wireless Keypad will be automatically deactivated if no keys are pressed within three seconds.

Changing User PIN

From factory, your Wireless Keypad is supplied with a unique Master Code. This code is required when changing the User PIN for the first time. The Master Code can be found on the front cover of this manual, as well as on a small sticker on the rear of your WKP.   For security purposes, remove this sticker from the WKP once you have programmed in your own User PIN number.

Example:

If your master code is "0000" and you wish to have a User PIN "1234".

Master Code: 0000   *New User PIN: 1234*

Key	Description
'#'	*This activates the keypad.*
"0000"	*Enter the master code or the current user PIN.*
'#'	*To enter "new PIN programming mode".*
"1234"	*Enter the new PIN.*
"1234"	*Enter the new PIN again.*
Long beep, backlight off	*Confirms the new PIN has been usefully accepted.*

Please Note: After a new PIN has been programmed, the Master Code will still remain functional - this is in case you ever forget your chosen PIN. Please store this manual which contains your Master Code on the cover page in a safe place.

Learning in the Wireless Keypad

In order for the receiver to recognize the Wireless Keypad, the receiver must learn the keypad into its memory. Learning the Keypad can be done in the same way when you learn a new remote control for you receiver. For information on how to learn in a new remote control, please refer to the Instruction Manual of your receiver. Instructions for programming a WKP into a Rhino Watchguard Wireless Home Alarm are contained on this page as a ready reference.

Programming A WKP To Work With Your Watchguard Wireless Home Alarm System

TO ADD A WIRELESS KEYPAD FOLLOW THESE STEPS:

Step   Procedure

1.

Press 1 time

Disarm the system (if it is not already disarmed) with an **original** remote control by pressing **Button 2**. You do not need to enter programming mode.

2.

Press and hold **Button 2** (for approximately 3 seconds) on the **original** working remote control until the siren starts to beep continuously, then release the button.

3.

Siren beeps 9 times

Immediately

The main unit will beep 9 times to confirm you are adding a new remote control or wireless keypad.

4.

Activate Channel 2.

As soon as the beeps finish, activate Channel 2 on your WKP.

Example:

User PIN: 1234

Press

1234 2

5.

**Activate Channel 1
to test.**

The Wireless Keypad is now programmed into your Watchguard Alarm. To **confirm** this, activate **channel 1** from the WKP to check that it arms the system.

If the system does not arm, begin this procedure again from the start.

Transmission

The Wireless Keypad is equipped with seven (7) RF channels. These channels duplicate the function of any Rhino RCTX Series Code Hopping Remote Control.

Remote Control Button	Channel Output
Red (or Blue on single button remote)	1
Green	2
Blue	3
Red + Green	4
Red + Blue	5
Green + Blue	6
Red + Green + Blue	7

Note: No function that requires a button to be held can currently be replicated by the WKP.

The transmission of each channel can be triggered by firstly activating the keypad with either the Master Code or the user PIN.

To transmit, press the hash ('#') key then enter either the user PIN or master code, and then simply select the channel number that is to be used for transmission. The valid channels are channel one to channel seven (1-7).

A successful transmission is confirmed with a long beep. The button backlighting will turn off immediately after the transmission.

Example:

If your user PIN is "1234" and you wish to transmit channel 2.

User PIN: 1234	*Transmit: Channel 2*
Key	***Description***
'#'	*This activates the keypad.*
"1234"	*Enter the Master Code or the user PIN.*
'2'	*Transmitting channel 2.*
Long beep, backlight off	*Confirms transmission has occurred.*

Function of Each Button

Numerical Buttons:

The Numerical Buttons are labeled with numbers from '0' to '9', '*' and '#'; they can be use for selecting transmission channels and pin numbers.

Activation Key:

The Activation Key is labeled with the "hash" character '#'. You press this key first when you wish to use the Wireless Keypad. This illuminates the keypad buttons, and advises the keypad to be ready to accept a PIN code.

Backlit Keys:

The Wireless Keypad is equipped with LED backlighting, allowing you to read the buttons even if the room is dark.

Battery Replacement

Your Rhino Wireless Keypad is powered by long-life lithium batteries. The batteries are expected to last up to one year in the average home environment. The Wireless Keypad is capable of audibly indicating when the batteries need replacing by generating two low tone beeps (instead of normal single high tone beep) when the hash '#' key is pressed to wake it up. When this occurs, replace the batteries as soon as possible.

The Wireless Keypad uses two **CR2025** type lithium cell batteries. Using incorrect batteries will damage the device, and will not be covered under warranty.

Replacement Procedure:

Open the case:

To replace the batteries, the first step is to open the case of the Wireless Keypad. The case of the keypad can simply be prised open up by gently inserting the flat blade of a small screwdriver (or tip of a knife) into the small notch in the bottom of the case (see picture right). Once the halves are separated, the circuit board and the metallic battery compartment should be visible. Please only hold the circuit board by its edges, to prevent any damage to the electronic components.
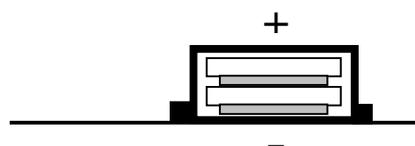
Remove the old batteries:

The old batteries can be removed by pushing them out of the compartment using a non-metallic object.

Insert the new batteries:

The Wireless Keypad uses two batteries. Whenever replacement is needed, both batteries must be replaced at the same time. When inserting the new batteries, make sure both batteries are orientated correctly; that is both batteries placed on top of one another, with the positive ('+') sides face up. See illustration below:

Side View of Battery Holder Showing Correct Battery Insertion

Care and Cleaning

- The keypad must maintain free from grease and any liquid.
- Avoid placing heavy objects on the Wireless Keypad such as books and magazines.
- Clean the device if required with a soft cloth.

Troubleshooting & Warranty Information

Symptom	*Check*
Cannot activate the Keypad.	Low battery - Check the batteries and replace them if necessary.
The receiver is not responding.	Out of range or keypad not learned properly -confirm the keypad is learned in and try the transmission with shorter distance.

LIMITED WARRANTY
The manufacturer (Cornick Pty Ltd) warrants its products to be in conformance with its own plans and specifications and to be free from defects in materials and workmanship under normal use and service for twelve months from the date of original purchase. The manufacturer's obligation shall be limited to repairing or replacing, at its option, free of charge for materials or labor, any part which is proved not in compliance with its specifications or proves defective in materials or workmanship under normal use and service. The manufacturer shall have no obligation under this Limited Warranty or otherwise if the product is altered or improperly repaired or serviced by anyone other than the manufacturer.

FOR WARRANTY SERVICE:
Return transportation prepaid along with a copy of your proof of purchase to:

RhinoCo Technology
9 Hannabus Place
McGraths Hill NSW 2756 Australia

Please include your full contact details as well as a detailed description of the fault.

The manufacturer has no obligation to attend the buyer's location to retrieve the goods or make repairs onsite.

There are no warranties, expressed or implied, of merchant ability, or fitness for a particular purpose or otherwise, which extend beyond the description on the face hereof. In no case shall seller be liable to anyone for any consequential or incidental damages for breach of this or any other warranty, express or implied, or upon any other basis of liability whatsoever, even the loss or damage is caused by its own negligence or fault.

Seller does not represent that the products it sells may not be compromised or circumvented; that the products will prevent any personal injury or property loss by burglary, robbery, fire or otherwise; or that the products will in all cases provide adequate warning or protection. Customer understands that a properly installed and maintained alarm system may only reduce the risk of a burglary, robbery, or fire without warning, but it is not insurance or a guarantee that such will not occur or that there will be no personal injury or property loss as a result.

Consequently, seller shall have no liability for any personal injury; property damage or other loss based on a claim the product failed to give any warning. However, if seller is held liable, whether directly or indirectly, for any loss or damage arising under this limited warranty or otherwise, regard less of cause or origin, seller's maximum liability shall not in any case exceed the purchase price of the product, which shall be the complete and exclusive remedy against seller.

This warranty replaces any previous warranties and is the only warranty made by the manufacturer of this product. No increase or alteration, written or verbal, of the obligations of this Limited Warranty is authorised.