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KISS-RX

Narrow Band Wireless Receiver with 2 x Code Hopping Remote Controls For Most Alarm Control Panels.

N517

F:\Current_Instructions\Standard Home Alarm\kissrx.doc

Instruction Manual Contents

Your *KISS-RX* is a state- of- the-art narrow band wireless receiver, designed to operate with most alarm control panels.

Product Description
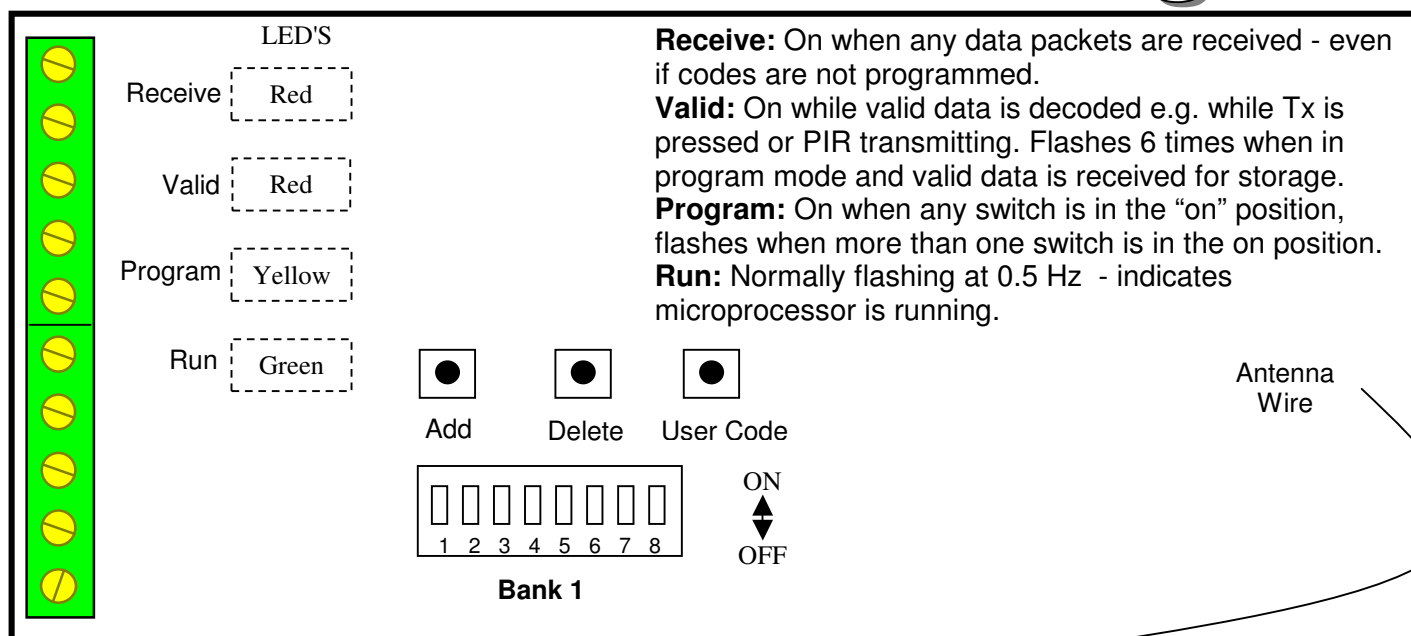
Main Features include:

- Simple Installation.

- Code Hopping Remote Control Technology (remotes can not be copied by scanning or code grabbing).
- Remote Functions include Arm/Disarm & Panic.

- Ability to quickly add or erase detectors from your system.

- 4 Wireless Detector Zones Available.

- Wireless Detector Supervision Output.

- Low Battery Warning Output (Intelligent 1 trigger only until batteries replaced)

- Detector Tamper Warning Output

- Intelligent Detector Learning Program to prevent accidental code duplication.

- Memory Recall Function to identify individual detectors sending low battery or tamper codes.

- Wireless Detectors available include PIR's, Internal or External Reed Switches, Smoke Sensors & Wireless Emergency Pendants.
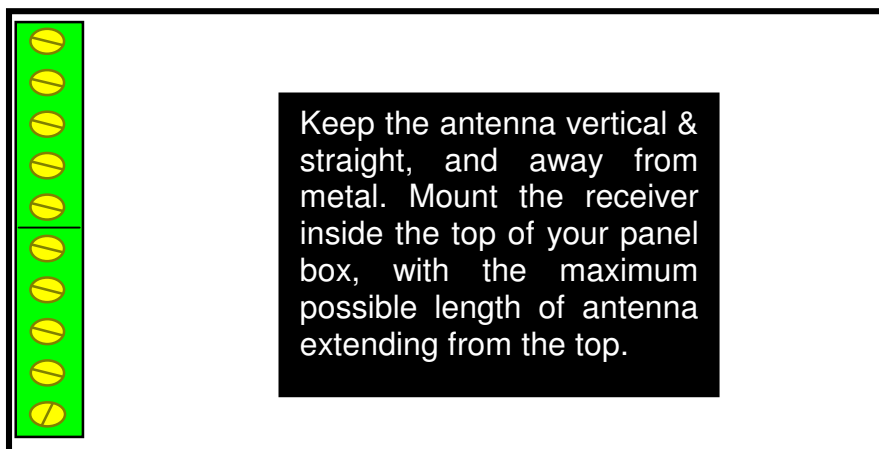
1

Remote Control Functions

- **ARM/DISARM**: Pressing button one once. As soon as you release, the alarm will respond.

- **PANIC:** Activate by pressing & **holding down** button 1 for 3 seconds. This sets off the siren. To cancel "panic", press button one once.

- **NOTE:** Button 2 not used

Panel Connection Diagram

LED'S

Receive — Red

Valid — Red

Program — Yellow

Run — Green

Receive: On when any data packets are received - even if codes are not programmed.
Valid: On while valid data is decoded e.g. while Tx is pressed or PIR transmitting. Flashes 6 times when in program mode and valid data is received for storage.
Program: On when any switch is in the "on" position, flashes when more than one switch is in the on position.
Run: Normally flashing at 0.5 Hz - indicates microprocessor is running.

Add   Delete   User Code

1 2 3 4 5 6 7 8

ON ↕ OFF

Bank 1

Antenna Wire

+12VDC
Ground
Zone 1 Detector Output
Zone 2 Detector Output
Zone 3 Detector Output
Zone 4 Detector Output
Supervision Output
Low Battery Output
Panic Output
On/Off Output

Keep the antenna vertical & straight, and away from metal. Mount the receiver inside the top of your panel box, with the maximum possible length of antenna extending from the top.

All outputs are open – collector. This means the outputs will be open circuit normally and will output ground/earth for 1 second when triggered.

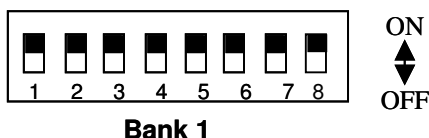# Master Default Setting

After connecting your *KISS-RX* to your panel as per the connection diagram on page 2,
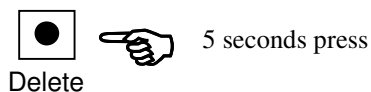**Carry out the default procedure outlined below.**

You can default your *KISS-RX* in case you make a mistake, or are unsure of your receiver setup. "Defaulting" your receiver will cause **all detector & remote codes to be erased**.

To default your receiver, follow these steps:

1. Set all dipswitches on Bank 1 to ON.
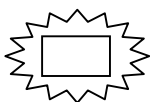

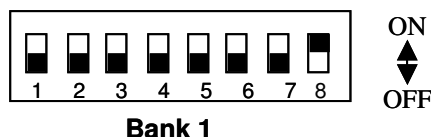**2.** Press & Hold the delete button for 5 seconds.

5 seconds press

3. All LED's on the receiver will flash once together to confirm that the receiver has been defaulted.

4. Return all dip switches back to the OFF position.

IF YOU ENCOUNTER ANY PROBLEMS WITH YOUR KISS–RX, OR REQUIRE ADDITIONAL TECHNICAL INFORMATION NOT CONTAINED IN THIS MANUAL, PLEASE CONTACT YOUR RHINO DEALER.

Programming Remote Controls

TO ADD A REMOTE CONTROL

1. On Bank 1, set dipswitch Number 8 only to ON. The yellow Program LED will come on. (If theLED flashes, check that, you don't have more than one dipswitch set to on).
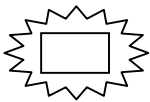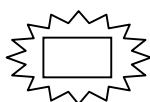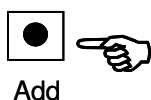
Bank 1

ON
OFF

2. **Press & Hold** button 1 on your remote.

3. Press the Add Button. The red Valid LED will start flashing at 0.5Hz

Add

NOTE WHEN PROGRAMMING REMOTES & WIRELESS DETECTORS:

Due to the excellent performance of the receiver, you are likely to "swamp" the receiver with too much RF signal if you transmit within 5 metres of the receiver. To prevent this from occurring, simply remove the antenna from your receiver whilst programming. You will now have to be within approx 1m of the receiver whilst programming.
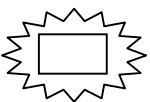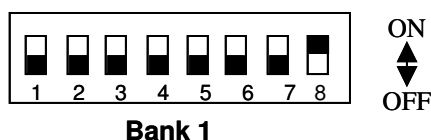
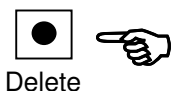4. Now release button 1 on the remote. The red valid light will turn **off.**

5. Repeat steps 2 - 4 for any extra remotes that you wish to add. Maximum of 5 can be used.

6. Return dipswitch 8 to the OFF position. The yellow program light will turn off.

TO DELETE ALL REMOTE CONTROLS

1. On Bank 1, set dipswitch Number 8 to ON. The yellow Program LED will come on. (If the LED flashes, check that, you don't have more than one dipswitch set to on).

Bank 1

ON
OFF

! IMPORTANT

When programming, make sure that no detectors are transmitting, as they will interfere with your programming procedure.

2. Press the Delete Button.

Delete

3. All remote controls will now have been erased from the memory of the receiver.

4. Return dipswitch 8 to the OFF position. The yellow Program light will turn off.

IMPORTANT NOTE: When installing any wireless device, make sure that it is at least 5 METRES AWAY from the receiver.

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Programming Wireless Detectors

(Wireless PIR, Wireless Reed Switch, Wireless Smoke Sensor, or Wireless Emergency Button)
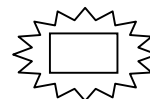
TO ADD A DETECTOR

1. On Bank 1, select the Zone (1-4) that you wish to program a detector into. The yellow Program LED will come on. (If the LED flashes, check that, you don't have more than one dipswitch set to on).

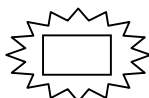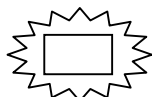

E.g. programming a detector into Zone 1

Bank 1

Note: Learning a new detector into a zone which already had a detector learnt into that zone, will erase the original detector's code & replace it with the new detector's code. Furthermore, if that detector code has previously been learnt into another zone, the receiver will determine this as being an error, and will automatically delete the code duplication by erasing the code from the other zone.

2. Press the Add Button. The red Valid LED will start flashing at 0.5Hz.

Add

3. Now trigger the sensor. The valid light will stop flashing once the detector has been successfully programmed.

4. Return all dip switches back to the OFF position. The yellow program light will turn off.
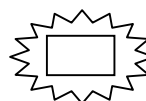

TO DELETE A DETECTOR

1. On Bank 1, select the Zone (1-4) that you wish to delete a sensor from. The yellow Program LED will come on. (If the LED flashes, check that, you don't have more than one dipswitch set to on).

E.g. deleting a detector from Zone 1

Bank 1

2. Press the Delete Button.

Delete

3. The detector will now have been erased from the receiver's memory. You can test this by triggering the detector, and watching that the Valid LED no longer illuminates on your receiver when the detector transmits, and also by watching that the Zone LED no longer illuminates on your RHINO Keypad.
4. Return all dip switches back to the OFF position. The yellow program light will turn off.

Wireless Detector Supervision

All of your individual wireless detectors (i.e. Wireless PIR, Wireless Reed, or Wireless Smoke Detectors) can send a supervision report to your receiver to confirm that they are fully functional.

If supervision mode is enabled, the receiver will be expecting to receive the individual supervision code from each detector approximately every 2.4 hours i.e. at least 10 reports per day, per detector.
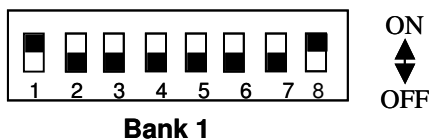
The KISS-RX only requires one report from each detector during the 24 hour period to satisfy the supervision criteria. An extra 9 reports are still given to ensure that the supervision report is received.

If all 10 supervision reports are missed from one detector during the 24 hour time frame, then the supervision output will be activated (it will switch low for 2 seconds).

TURNING SUPERVISION ON OR OFF (Default setting is OFF)
To turn on supervision:

1. Disconnect power from the receiver.

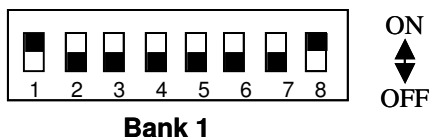2. On Bank 1, set dip switches 1 & 8 to ON.

Bank 1

3. Reconnect power. The yellow program LED will begin to flash at 0.5Hz. **Within 60 seconds**, press the Add Button. The green run light will turn on.

Add

4. Supervision Reporting has now been activated for all zones.

5. Return all dip switches back to the OFF position. The yellow program LED will turn off.

To turn off supervision:

1. Disconnect power from the receiver.

2. On Bank 1, set dip switches 1 & 8 to ON.

Bank 1

3. Reconnect power. The yellow program LED will begin to flash at 0.5Hz. **Within 60 seconds**, press the Delete Button. The green run LED will turn off.

Delete

4. Supervision Reporting has now been de-activated for all zones.
5. Return all dip switches back to the OFF position. The yellow program LED will turn off & the green run LED will begin to flash at 0.5Hz.

Low Battery & Tamper Warning

- Your detectors will automatically transmit a low battery report to your *KISS - RX* receiver when the batteries are nearly flat.

- The low battery report code is also transmitted after the alarm code, every time a detector is triggered.

- After the individual detector has sent five low battery codes in a row, the *KISS-RX* will activate the low battery output **once** (it will switch low for 1 second) to tell your panel that a detector has a nearly flat battery. The service person can then determine which sensor has the nearly flat battery via the memory recall function described below.
  Please note: Your *KISS-RX* identifies a different low battery code for each individual detector. When you replace the batteries, your receiver will automatically see that the low battery code is no longer being sent from that detector. The receiver will then reset that zone, ready to activate the low battery output only if five low battery codes are sent in a row again.

- The tamper output will switch low for 1 second whenever the front case is removed and the tamper switch is released on a Wireless PIR Detector or Wireless Reed Switch.
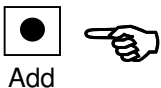
Memory Recall Function

Your *KISS-RX* has the ability to indicate individually which zone/s are reporting either a low battery, supervision, or tamper report to your panel. You will require a Keypad to be connected to your panel.

1. Make sure your alarm is disarmed, & all dipswitches are in the off position.
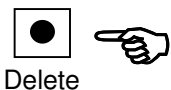
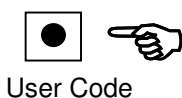|							
1	2	3	4	5	6	7	8

2. Select the report you require:

a) For **Low Battery** press the **Add** button, or

Add

b) For **Supervision** press the **Delete** button, (to see if there are any detectors that have not transmitted for a period of 24hours) or

Delete

c) For **Tamper** press the **User Code** button.

User Code

3. The zones that are sending the respective signal to your receiver will be illuminated on your alarm panel keypad for only **20 seconds**. The memory is then **automatically erased,** so make sure you make careful note of the zones, as you will not get a second chance!

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