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SMS8RX

Proudly Designed in Australia

Narrow Band Wireless Receiver with 2 x Code Hopping Remote Controls For SMS8 Control Panel.

N517

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Instruction Manual Contents

Product Description

Your *SMS8RX* is a state- of- the-art narrow band wireless receiver, designed to operate with the *SMS8RX* most alarm control panels.
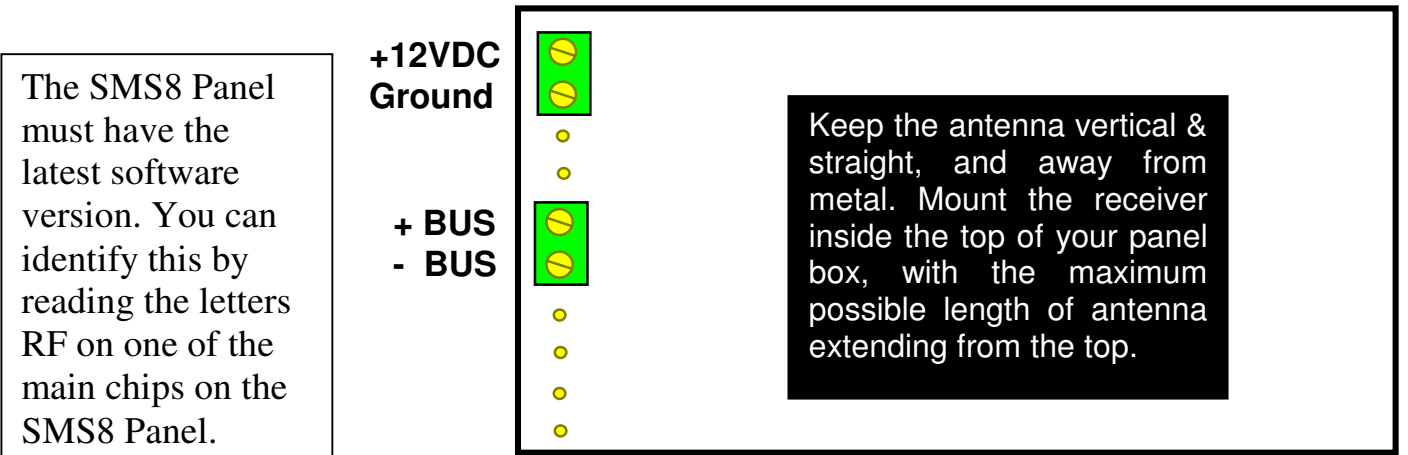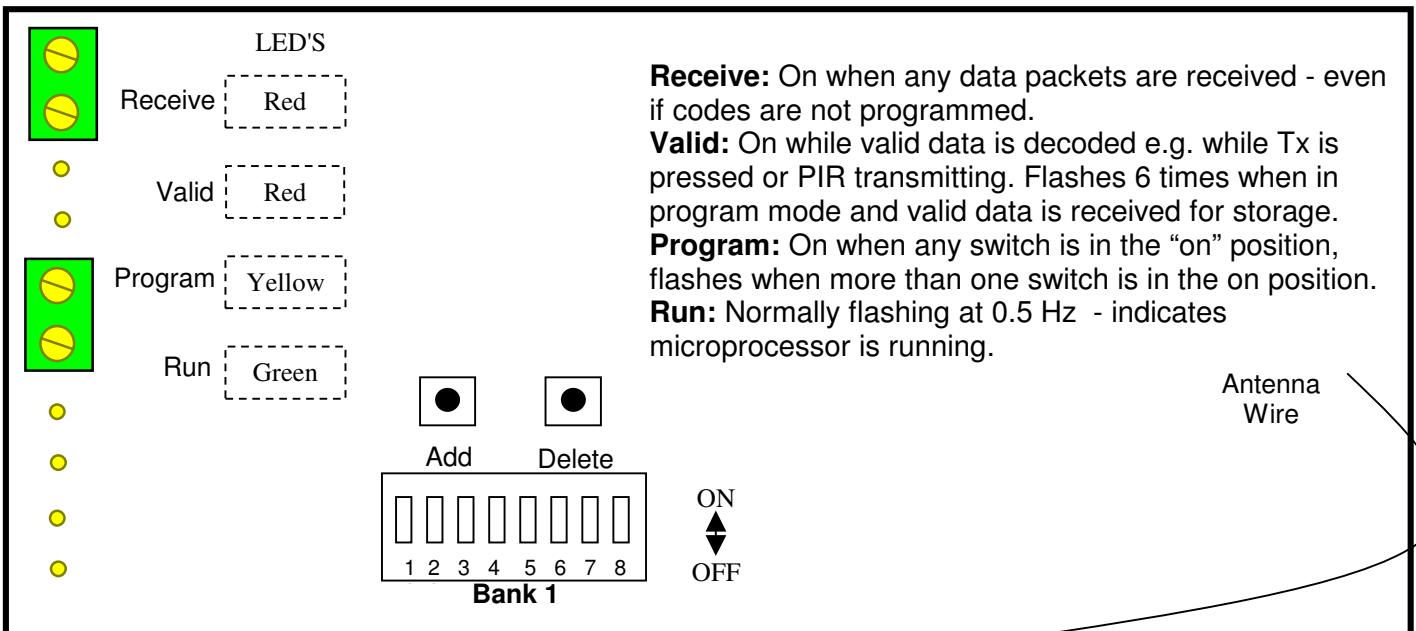
Main Features include:

- Simple Installation.

- Code Hopping Remote Control Technology (remotes can not be copied by scanning or code grabbing).

- Remote Functions include Arm/Disarm, Home Arm & Panic.

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

- 8 Wireless Detector Zones Available.

- Wireless Detector Supervision

- Low Battery Warning

- Detector Tamper Warning

- 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

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Remote Control Functions

- **DISARMING**: Pressing the **button 1** once. This will disarm the system from away and stay mode.

- **AWAY ARMING:** Press the **button 2** to arm the system in AWAY mode. The system will arm instantly even if a delay is programmed on the panel.

- **STAY ARMING:** Press the **button 3**. This will arm the system in STAY mode and the exit delay applies.

- **PANIC:** Press and hold the **button 2 and 3 together** to activate panic.

Panel Connection Diagram

LED'S

Receive — Red

Valid — Red

Program — Yellow

Run — Green

Add   Delete

1 2 3 4 5 6 7 8
Bank 1

ON
↕
OFF

Antenna Wire

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.

The SMS8 Panel must have the latest software version. You can identify this by reading the letters RF on one of the main chips on the SMS8 Panel.

+12VDC
Ground

+ BUS
- BUS

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.

For normal operation ensure that all dipswitches are down (off) after programming. If the switches are not down it may cause the unit to respond incorrectly.
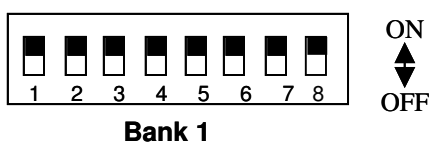
Master Default Setting

After connecting your *SMS8RX* to your panel as per the connection diagram on page 2,
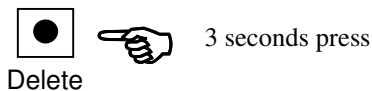**Carry out the default procedure outlined below.**

You can default your **SMS8RX** 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.

```
 ▮ ▮ ▮ ▮ ▮ ▮ ▮ ▮     ON
 1  2  3  4  5  6  7  8    ▲
                           ▼
        Bank 1           OFF
```

2. Press & Hold the delete button for 3 seconds.

```
┌───┐
│ ● │  👉   3 seconds press
└───┘
Delete
```

3. All LED's on the receiver stop flashing to confirm that the receiver has been defaulted.

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

Programming the SMS8

In 'zone programming' (option sub-menu 2) 'enable' or turn on each wireless zone as an 'RF Zone'.

Also you can program to enable or disable the 'RF remote' and 'RF tamper' in the menu 'control timers' (option sub-menu 4).
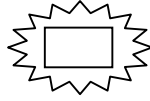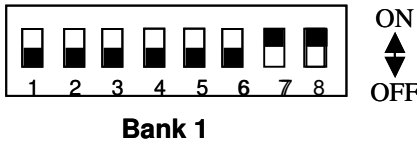
PLEASE ENSURE THE PANEL IS PROGRAMMED TO ENABLE EACH RF FEATURE as described above.

IF YOU ENCOUNTER ANY PROBLEMS WITH YOUR SMS8RX, OR REQUIRE ADDITIONAL TECHNICAL INFORMATION NOT CONTAINED IN THIS MANUAL, PLEASE CONTACT YOUR RHINO DEALER.

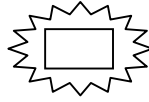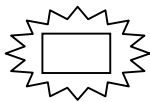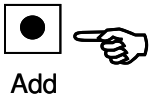# Programming Remote Controls

TO ADD A REMOTE CONTROL

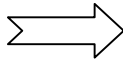1. On Bank 1, set dipswitch number 7 and 8 to ON. The yellow Program LED will come on.

Bank 1

2. **Press & Hold** the button 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.

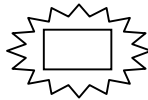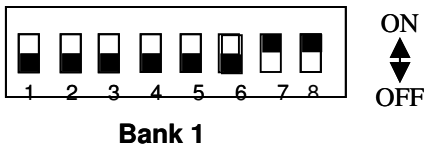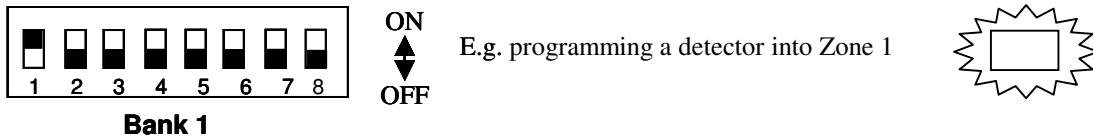4. Now release the button on the remote. The red valid light will turn **off.**

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

6. Return dip switches 7 & 8 to the OFF position. The yellow program light will turn off.
   NOTE: if the unit is wired to the panel via the BUS connections the system will now arm and disarm etc.

TO DELETE ALL REMOTE CONTROLS

1. On Bank 1, set dipswitch Number 7 & 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

2. Press the Delete Button.

Delete

! IMPORTANT

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

3. All remote controls will now have been erased from the memory of the receiver.
4. Return dip switches 7 & 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.

Programming Wireless Detectors

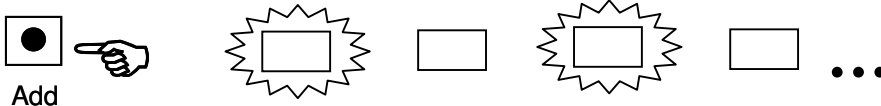## Wireless PIR, Wireless Reed Switch, Wireless Smoke Sensor)
TO ADD A DETECTOR

1. On Bank 1, select the Zone (1-8) that you wish to program a detector into. The yellow Program

E.g. programming a detector into Zone 1

Bank 1

LED will come on. (If the LED flashes, check that, you don't have more than one dipswitch set to on).

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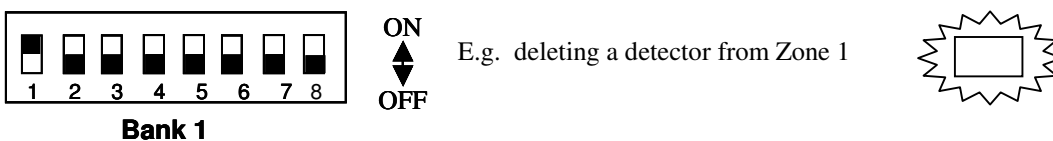
2. Press the Add Button. The red Valid LED will start flashing at 0.5Hz.
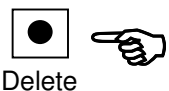
Add

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 (1-8) 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 system no longer is triggered by that detector.

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.

Supervision is always 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 SMS8RX 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 SMS8 keypad will display "SERVICE". You then access the service menu and it will advise of a 'Supervision' failure on the particular zone.

Low battery signals will only be fixed by opening the detector to send a tamper signal to the SMS8RX. Replace the old batteries with new ones and replace the detector cover.

Supervision signals will only be fixed by fixing the particular detector so that is able to transmit to the SMS8RX.

Tamper and Zone alarms open the particular zone for 1 second. A restore will be sent 1 second after the detector sends the trigger signal.

Low Battery & Tamper Warning

- Your detectors will automatically transmit a low battery report to your *SMS8RX* 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 a low battery, the *SMS8RX* will display a 'service' message. After accessing the service menu it will display a 'supervision' fault for the particular zone with a low battery. **Please note:** Your *SMS8RX* 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 tamper signal will display "SERVICE" on the SMS8 Keypad whenever the front case is removed and the tamper switch is released on a Wireless PIR Detector or Wireless Reed Switch.

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