SPECIFICATIONS:

Encryption............................ Code-Hopping
Frequency..............................403.55Mhz
Receiving range...................500m (Line of site)
Power input range.................10 ~ 26V AC/DC
Current drain.........................11mA, 12VDC
Memory capacity....................64 Remotes
Relay output times.................1 second momentary
....3 second momentary
....1 Minute; 3 Minute
....On/Off (separate signals)
....Latching (flip flop)
Housing rating........................IP55
Housing material....................White ABS
Dimensions...........................100 X 60 x 25mm
Weight...................................95 grams
Warranty................................5 year
Product Release date............July 2009
Software ID Revision..............Rev:-3 (October 2009)

AERIAL

SOFTWARE ID

PROGRAM

RELAY MODE
1 Second
3 Seconds
Latch/Unlatch

MEMORY I.C
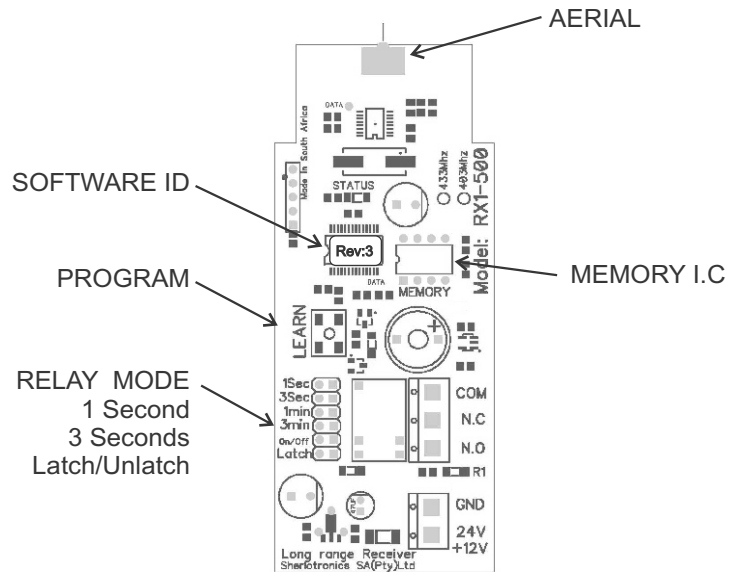
SOFTWARE NOTIFICATION:- AUGUST 2009
SECURE LEARN ENVIRONMENT PROGRAM PROCEDURE
This unit has been programmed with the _Secure learn_ environment software. This will help to prevent stray transmissions from accidentally learning into the receiver when it is placed into "Learn" mode. This means that a receiver will be able to be safely programmed in an environment that might have many Repeaters installed, or where signals are continuously produced by a busy town house complex gate entrance. The new Secure learn software will only validate and learn a signal into its memory if it has received two or more consecutive signals within a 3 second time window. This means that you would need to press the remote control more than _two(2)_ times within a 3 second time before it will successfully program.

The implementation of the Secure learn environment means that we have done away with the "Master remote" programming feature, but this will ensure that the receiver never accidentally learns stray signals and will thus not false trigger.

PROGRAM PROCEDURE : ....
Very important note: _This unit has an extremely sensitive signal detection circuit so care should be used when in Program mode. It is advised that you unscrew and remove the aerial to reduce the receivers operating range. Try not leave the unit in Program mode unattended, so prepare your remotes and take note that a double confirmation beep is heard directly after the second signal is received._ For new installations, **default** the unit first

STEP 1:

ENTER LEARN MODE :
Press the LEARN switch once.
1x beep will sound

LEARN

Unit auto exits after 10 sec.
A Long Beep will sound.

STEP 2:

SECURELY LEARN :
Learn in transmitters by "activating" them (2)two or even (3)three times within a 3 sec window. The unit will beep twice to validate when programmed in. The buzzer will squawk if the signal is already programmed into its memory.

A max of 64 remotes can be stored.

STEP 3:

EXIT LEARN MODE:
Exit learn mode by pressing the LEARN switch again. 1x long beep will sound Select 1sec, 3sec, 3Minute or Latch by fitting the jumper as desired.

LEARN

DEFAULT PROCEDURE:
1. Remove power, then press and hold in the LEARN button.
2. Power the unit up while still pressing in the LEARN button. The unit starts to beep for approx +/-10seconds. When the beeping stops and then sounds a continuous tone the unit is defaulted. You can stop pressing the LEARN button now. The STATUS LED will start to flash when ready.

MEMORY FULL :-
If the Receivers memory reaches its 64 remote limit while in progam mode, the unit will sound a Long beep when it receives a signal and then will auto exit from Program mode. The Status LED will start to flash after a few seconds.

RELAY MODE SETTINGS:

Select one of the six (6) jumper settings for each relay channel. The Relay mode jumpers set the unit to switch the relay closure time. We recommend the following settings be used as a guide line:-

> **1 seconds -** Gate and garage door installations.
> **3 seconds -** Remote Panic alarm installations.
> **1 Minute** - Beam bypass
> **3 Minute** - Panic Siren
> **On/Off** - Dedicated ON signal code, and a dedicated OFF signal code.
> **Latch -** Switching on/off lights or supervised key-switch arm / diss-arming of intruder alarm systems.

ON/OFF MODE →
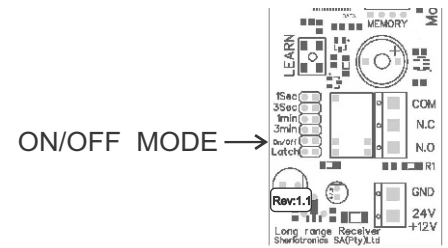
ON / OFF PROGRAMMING PROCEDURE:

On / Off Relay mode explained:-
When the On/Off relay mode jumper is selected the RX1-500 unit will set itself to Latch its relay on when a ON signal is received, and it will un-latch when a OFF signal is received.

1. Bridge the On / Off jumper on the RX1-500 unit.
2. Press the LEARN button on the Receiver. The unit Beeps *once*.
****Ready to program up to 32 ON signals***
3. Transmit the **ON** signals from hand held remotes or the Stand-alone transmitter (Model: S4). A double beep sounds when the unit learns in the signal.
4. Press the LEARN button on the Receiver. The unit Beeps *twice*.
****Ready to program up to 32 OFF signals***
5. Transmit the **OFF** signals from hand held remotes or the Stand-alone transmitter (Model: S4). A double beep sounds when the unit learns in the signal.
6. Exit out of program by pressing the LEARN button once more. A long 3 second beep will sound.
7. Ready to test.

MOUNTING & OPENING THE RECEIVER:-

The plastic housing is splash proof, and may be mounted externally if required. The receiver should be mounted Vertically for best performance. Ensure that you do not mount the unit close to electric fence cables or energizers, as these products produce extreme levels of interference and may reduce the performance of the product. If mounting indoors try and centralise the unit, and keep it at least *3 meters* away from Armed Response company's alarm radio transmitters.
We recommend you to mount the unit more than 2 metres above the floor height either inside a cupboard or just above the trap door.   For large properties that require reception range from the bottom of the drive way, mount the unit in the garage which may be closer to the gate, and run a cable back to the Alarm panel.
Always conduct a signal range test before you hand over the product to the client, ensuring that the remote works reliably from all areas of the site. You may need to move the unit if you encounter dead spots. In rare cases you may need to install a booster repeater unit for coverage around large multi levelled sites.
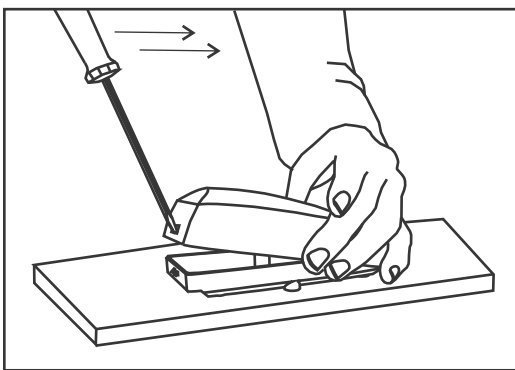
Insert a small 1-1.5mm flat screw driver into the slot at the back of the housing and leaver the lid open.

BEEPING SOUNDS EXPALINED:-

Single beep sounds directly after the unit goes into program mode.

Double beep sounds directly after the unit Learns in a signal.

Long (3second) beep sounds when the unit exits program mode.

Squawk beep sounds when a remote is already in memory.