



Operating Instructions RTM1 Radio Receiver



Remote control of hidden traps:

Whenever setting up, changing or testing radio systems, it is likely that a trap will fire at some point, often in out of sight location.

All traps that are likely to fire should be safely guarded to ensure that no personnel are working in immediate proximity to the trap or are standing within the potential flight path of the clay target.



This guide contains only information relating to the Promatic / Claymate radio product, and not the trap(s) that it will control. If you have not already done so, we recommend you view the full user manual specific to your trap model.

Detailed manuals are available free of charge on our website:

www.promatic.co.uk or www.promatic.biz



**This document must be read in full before attempting to operate the machine
Please retain this information for future reference**

Siting the receiver:

The receiver should be placed upright and for best results positioned close to the trap at around head height and within line of sight of the operator, if mounting on the back of a structure or wall, i.e. hidden from the operator's viewpoint then please be aware that this is likely to reduce the effective transmission distance.

The metal wall mount bracket has been designed to work with many styles of tube clamp (U clamp types - not supplied) to also enable pole mounting if required (For instance to improve reception in difficult terrain).

The receiver must be mounted vertically, this provides the best reception pattern and will maintain the integrity of the moisture seals.

Plug into the trap:

The receiver is supplied ready to connect to any of the current Promatic professional trap range, for use with older models or certain other brands of trap adaptor cables are available (at extra cost) to suit the application, please ask for details.

If it is required to mount the receiver at a greater height to improve reception, an extension cable will be required to connect back to the trap, such cables are available (at extra cost) from Promatic in various lengths to suit the situation and receiver type being used.

Compatibility with Older Promatic Traps.

For use with older models fitted with Rubber 3-pin connectors an adaptor cable is available (at extra cost) to suit, please ask for details.

Compatibility with other makes of traps.

For use with certain other brands of trap adaptor cables are available (at extra cost) to suit the application, please ask for details.

The receiver part of the system has been developed to be able to control other brands of trap up to 40V. Where a suitable cable is not available, the connector will need to be changed to connect to these other brands. Remember - Regardless of the trap voltage that the receiver will be switching, it still requires a stable 12-24v DC power supply to enable it to function.

If in doubt, or for mains trap operation, please call us.

Pairing a transmitter (handset) and a receiver .

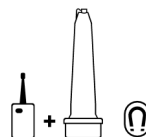
Each Receiver can be paired to operate with up to 8 handsets, for best results the handset and receiver should be within 2 Meters of each other whilst pairing.



Make sure that no other PROMATIC radio transmitters are operating within 300 Metres of the receiver being paired. This will avoid accidentally pairing a receiver to another radio operating elsewhere which could lead to unpredictable and undesirable operation.

Plug the receiver into a trap, connect the trap to the battery & turn the isolator to the on position to provide power to the receiver (The trap does not need to be armed - however take note of trap safety warnings) .

A symbol on the receiver's rear label shows the magnet sensor position to be used when pairing with a handset, place a magnet (Cartridge pick-up stick etc..) on the small magnet symbol, you will hear an initial beep, hold for a second or so until you hear a short 2 tone beep, then remove the magnet. You are now in pairing mode and have approximately 10 seconds to pair a handset to the Receiver, as outlined below.



SP1 (Single) Handset with 1 receiver:

With the receiver in pairing mode, press and hold the fire button. After about 5 seconds, the receiver should give a short tone to confirm that it has accepted the pairing, at this point release the button.

SP2 (A-Hi / B-Lo / Pair) Handset with 2 receivers:

Pair the first receiver as above then repeat using the other button to pair the second receiver. The Pair (A & B) button will work automatically.

ABT Handset with 3 channel receiver:

With the receiver in pairing mode, press and hold the fire button. After about 5 seconds, the receiver should give a short tone continue to hold until a second beep is heard, the receiver has now accepted the pairing, at this point release the button. The Rotation and/or Elevation buttons will have followed and work automatically.

After pairing any handset & receiver you should test fire the trap a few times to confirm that the desired pairing is working correctly.

Clearing the receiver memory:

Place the magnet on the small magnet symbol as before but this time hold for approx. 10 seconds until a rapid beeping sound is heard and then remove the magnet. The receiver is now de-programmed and will give a repeating pulse tone as long as it powered up to indicate this. It will no longer respond to any handset until paired.



Barclay Phelps CE Marking Consultants, 29/8 City Mill Lane, Gibraltar 646, Europe

CERTIFICATE & DECLARATION OF CONFORMITY FOR CE MARKING

Company contact details:

Promatic International Ltd.
Station Works, Hooton Road, Hooton, S Wirral, CH66 7NF, United Kingdom
Tel: +44(0)151 327 2220 Fax: +44(0)151 327 7075 e mail: info@promatic.co.uk

Promatic International Ltd. declares that their:

Clay Target Launchers listed as the following models
Elite, Hawk, Superhawk, Harrier, Harrier ABT/Wobble, Eagle, Eagle Battue, Falcon, Hobby / Merlin,
Ranger 8, Osprey/All American Ranger, Ranger Battue, Ranger ABT/Wobble,
Sporter 400TT, Sporter 400TT ABT/Wobble, Super Sporter Battue, Super Sporter,
Super Sporter Downhill Thrower, Super Sporter ABT/Wobble, Rabbit, Squirrel,
Ranger Chondell, Chondell, Hunter Wobble, Huntsman, Huntsman XP,
Fieldsman, Club Skeet, Pro Skeet, Int Skeet, Olympic Trap, Club 275 DTL/ATA,
International DTL/ATA, Pro ABT/Wobble, Auto Trap DTL/ATA/ABT/Wobble,
International Doubles DTL/ATA/Wobble and Sporter Doubles DTL/ATA/Wobble

are classified within the following EU Directives:

Machinery Directive 2006/42/EC
Electromagnetic Compatibility Directive 2004/108/EC

and further conform with the following EU Harmonized Standards:

EN 12100-1:2003+A1:2009 EN 12100-2:2003+A1:2009
EN 61000-6-3:2007 EN 61000-6-1:2007

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Position of signatory: Group Technical Director

Name of Signatory: Graham Stephen Fair

Signed below:

p.p. Promatic International Ltd.

Promatic International Ltd.

**Hooton Road
Hooton
South Wirral
CH66 7PA
United Kingdom**

Promatic Inc.

**801, Mid America Drive,
Plattsburg.
MO 64477
USA**

Tel: +44 (0) 151 327 2220 (General)
+44 (0) 1407 860800 (Sales)
Fax: +44 (0) 151 3277075

E-mail info@promatic.co.uk

Toll Free: 888.767.2529
Fax: 816.539.0257

E-mail: sales@promatic.biz

Website: www.promatic.biz

Website: www.promatic.co.uk