

## Installation Instructions



Seip EKR1MCG receiver kit (shown with mini & midi keyfob)

### Compatibility

Suitable for use with remote controlled garage door and gate operators with a 24 volt power source for ancillary equipment

**Note:-** Seip EKR1MCG receivers marked "DMCG 1V1" are compatible with the HomeLink in-car remote system as fitted to Audi, Bentley, BMW, Chrysler, Jaguar, Lamborghini, Maybach, Mercedes-Benz, Opel, Porsche, VW & Vauxhall (car must have Homelink system with software rev. 6 or later)

### Power Requirement

operating voltage range :- 18 - 27 volts AC or 20 - 30 volts DC  
nominal standby consumption < 5mA

### Connections

Black & Red wires : AC or DC power source (see above)  
Blue wires : Volt free relay contacts (max load 0.5A)  
(for direct connection to the "impulse" control circuit of a gate or garage door operator)

### Positioning

The receiver unit should be secured in a dry position using the self-adhesive pads supplied. If used with gate equipment it must be housed in a weatherproof enclosure as the receiver is not water resistant. (if installed inside a steel cabinet an external aerial will be required)

433Mhz MPT 1340 UK approved frequency 

## Seip 24 volt receiver upgrade kit type EKR1MCG

### Digital code system

The keyfob transmitters communicate to the receiver by digitally coded transmission. Each transmitter is factory pre-programmed with a unique set of security codes from a choice of 260 million different codes and "hops" to a new code after every operation. The receiver can learn & memorize the unique security code signature of up to sixteen individual keyfob transmitters.

### Programming instructions

(Your receiver will be pre-programmed ready for use with the key-fob(s) supplied with it, but will require programming if any further key-fobs are added)

1/ Hold the new keyfob transmitter against the receiver casing beside the antenna and press the button you wish to use until the red light shows. (the 24v power must be connected)

2/ Take the keyfob away from the receiver & press the same button again until the red light goes out.

The new fob should now operate your receiver.

Repeat the above procedure for up to sixteen Seip "TS" series keyfobs.

### Clearing the memory

(necessary if a key-fob has been lost or stolen)

Take any pre-programmed keyfob transmitter and hold it against the receiver casing beside the antenna and press and hold the programmed button for about ten seconds until the red light goes out. This will erase all previously memorised fobs, follow the programming instructions above to re-teach your keyfobs

### Battery Replacement

**Mini type Key-Fob** - Remove the screw from rear casing and prize the two halves of the casing apart to reveal two CR1616 "coin" type batteries

**Midi type Key-Fob** - A type LR23A battery will be found behind removable cover on front



Seip 24 volt single channel radio control receiver - model EKR1MCG

Range - up to 100Mtrs

## Electrical connections for use with popular UK garage door operators

The Seip receiver unit is supplied with coloured wires, connect these wires to your garage door opener unit as follows:

Make of door operator	Black & blue wires (common)	Blue wire (relay contact)	Red wire (24 volt power)
<b>Garamatic</b> GD100 (with orange or green three pin receiver plug)	Remove BLUE wire from the original orange or green receiver plug & connect BLACK & BLUE wires from new receiver to this terminal	Remove YELLOW/GREEN wire from the original orange or green receiver plug & connect BLUE wire from new receiver to this terminal	Remove BROWN wire from the original orange or green receiver plug & connect RED wire from new receiver to this terminal
<b>Marantec</b> "comfort" series	Connect BLACK & BLUE wires from Seip receiver to terminal 1	Connect BLUE wire from Seip receiver to terminal 2	Connect RED wire from Seip receiver to terminal 3
Seip operator model No.	Impulse connections	24 Volt power source	
APM60, APM80, UK60, UK80, UK100	Connect the blue wires to terminals C & D	Connect black wire to terminal 3 & red to terminal 4	
ST60, ST77M, ST77, ST100	Connect the blue wires to terminals C & D	Connect black wire to terminal 7 & red to terminal 8	
A45, A60	Connect the blue wires to terminals C & D	Connect black wire to terminal 12 & red to terminal 13	
M50 C75, C100	Connect the blue wires to terminals A & B	Connect black wire to terminal G & red to terminal H	
EASY SM	Connect the blue wires to terminals 1 & 2	Connect black & red wires to "24V" terminals	

**Note :-** For best range the antenna (rigid black wire) should be positioned away from any metalwork or wires

**Amourelle Products Limited - The UK's #1 Garage Door Spares & Automation Specialist**

(c) Copyright 2008 Amourelle Products Ltd United Kingdom

[www.Garage-Door-Remotes.co.uk](http://www.Garage-Door-Remotes.co.uk) - For further technical advice phone: 0118 969 4657