

# PentaFOB® SERIES / USER MANUAL

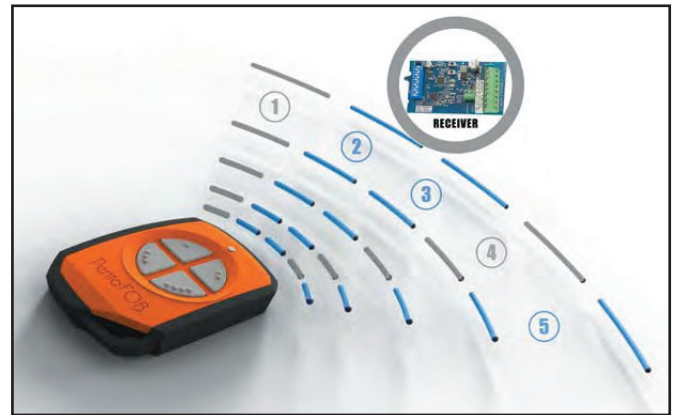
## 433MHz Keyring Remotes

The next generation of remote controls, superior to normal garage door rolling code remotes



## FEATURES

- ) Keyring transmitter with 1, 2, 4 or 5 channels
- ) Simultaneously transmits the encrypted code on 5 different frequencies, making it impossible for the remote to be interfered with or jammed
- ) Uses frequency hopping spread spectrum (FHSS)
- ) One of the most secure remote controls on the market
- ) Designed in Australia
- ) Competitive pricing
- ) Works with all PCR Penta series of receivers



## DESCRIPTION

The PentaFOB® uses frequency hopping spread spectrum (FHSS). This means that when a button is pressed, it simultaneously transmits the encrypted code on five different frequencies. This makes it impossible for your remote control to be interfered with or jammed.

Available in 1, 2, 4 and 5 button configurations. The keyring retainer is moulded as part of the chassis using reinforced nylon making for a super sturdy keyring mount.

The PentaFOB® series is an extremely versatile remote control that can be customized through a range of configurations and colours to suit your needs.

## TECHNICAL DATA

Over 17 billion encrypted codes

Operating range of up to 100 metres depending on building structure and receiver antenna

18mA (typical) at 3 Volts DC supply during transmission

Battery life of 2 years with average use

Frequency band: 433.100 to 434.700 MHz

Custom front colours available

For detailed technical data visit [www.elsema.com/automatic-gates/fob.htm](http://www.elsema.com/automatic-gates/fob.htm)



The keyring retainer in the PentaFOB® is moulded as part of the chassis using reinforced nylon making for a super sturdy keyring mount.



The PentaFOB® is an extremely versatile remote control that can be customized through a range of configurations and colours to suit your needs.



Case Black  
Upper Orange



Case Black  
Upper Blue



Case Black  
Upper Red

Choose from a range of colour options. Mix and match!  
If you require a custom Pantone® colour please contact us for more information

## **REGULATORY COMPLIANCE STATEMENTS**

### **AMERICAN USERS**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

### **FCC NOTICE**

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- ◆ Reorient or relocate the receiving antenna.
- ◆ Increase the separation between the equipment and receiver.
- ◆ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- ◆ Consult the dealer or an experienced radio/TV technician for help.

#### **Caution:**

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

### **Australian and New Zealand Users**

This device has been tested and found to comply with the limits for a Class [B] digital device, pursuant to the Australian/New Zealand standard AS/NZS 4268 set out by the Spectrum Management Agency



# PentaFOB® Programming Instructions

Coding the PentaFOB® remotes and receivers can be done in 2 different ways.

1. Remote to Receiver
2. Remote to Remote

## Remote to Receiver

1. Check that all switches are "OFF" on the receivers 12-way dip switch
2. Press and hold the program button on the receiver
3. Press the remote button for 2 seconds, receiver LED will flash and then turn Green
4. Release the button on the receiver and the remote
5. Press remote control button to test the receiver output

## Remote to Remote (you should be near the receiver for this procedure)

Only follow the following procedure if your receiver has a red marking as shown in the picture.

If your receiver does not have this marking, follow the procedure which is in the orange instructions.



1. Open the case of a remote control that is already programmed and press  
and release the program button on the back of the board (*The receiver enters learning mode*)
2. Press the button of the remote in step 1 which activates the receiver
3. Press the button on the new remote which needs to be programmed for 2 seconds
4. Press the program button again of the remote in step 1 (*The receiver exits learning mode*)
5. Press the new remote control button to test the receiver output

## Deleting Receivers Memory

Short the Code Reset pins on the receiver for 10 seconds. This will delete all the remotes from the receiver's memory.

## PentaFOB® Programmer

This programmer allows you to add and delete certain remotes from the receiver's memory. This is used when a remote control is lost or a tenant moves from the premises and the owner wants to prevent un-authorised access.

## PentaFOB® Backup Chips

This chip is used to backup or restore the contents of a receiver. When there are 100's of remotes programmed to a receiver the installer normally backups the receiver memory in case the receiver is damaged.