

Installation Tips for Best Performance

Do not install this product (HCR-624) on or next to a metallic surface. If this is unavoidable then the antenna will need to be brought clear of the metal via a coaxial cable (RG58). This cable should terminate at a 434Mhz antenna. Circuit Level make a suitable antenna (ANT-01). If range is poor and interference from another source has been eliminated try moving the receiver location or re-orientating the receiver.

Specifications

Operating Voltage	12 to 24V AC/DC
Current Consumption @ 13.8VDC	Standby 8.5mA HCR-624 only Latch 2 relays = 53mA Includes relay LEDs
Physical Dimensions	80 x 55 x 30mm L x W x H
Output Channels	2
Output Ratings	SPDT Relay 1 Amp MAX @ 24 VDC.
Reverse Polarity Protection	Yes. Diode
RF Operating Frequency	433.92Mhz
RF Signal Type (Data transfer)	On Off Keying (OOK) Keeloq™ code hopping
Coding Combinations	4.2 Billion
Learning Capacity HCR-624	170 transmitters (keyfobs)

Warranty

Circuit Level Electronics (Aust) Pty Ltd warrants this product to be free from defects in materials and workmanship for a period of **2 Years** from date of Purchase. We will at our discretion replace or repair a faulty item. This warranty does not apply in the event of accidental damage, abuse, misuse, act of God or non approved application. This warranty is given in addition to rights allowed by New South Wales law.

Made in Australia by
Circuit Level Electronics (Aust) Pty Ltd ABN 51 074 517 570

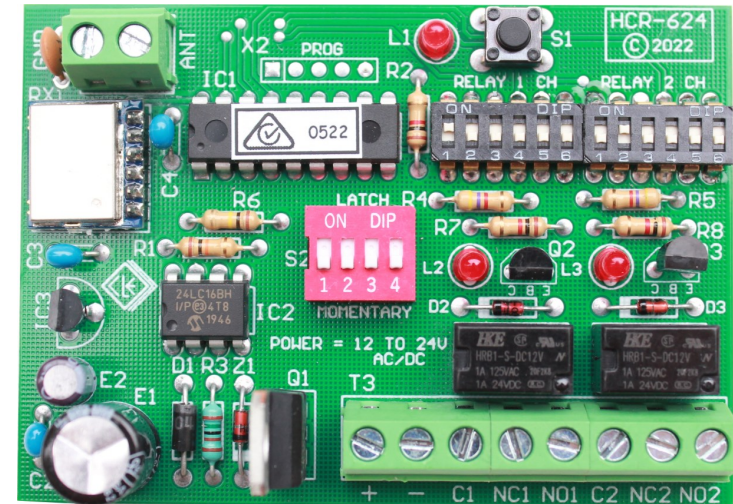


Circuit Level Electronics reserves the right to change specifications without notice in the interest of product development.



HCR-624

2 of 6 Channel Receiver



- Compatible with all of our Code Hopping Fobs
- Simple to set up
- Flexible Channel options
- Channels 1 to 4 can LATCH
- 433.92Mhz Superheterodyne receiver
- 12 to 24V AC/DC power
- LED indication of relay activation
- 170 transmitter (keyfob) memory
- **2 Year Warranty**

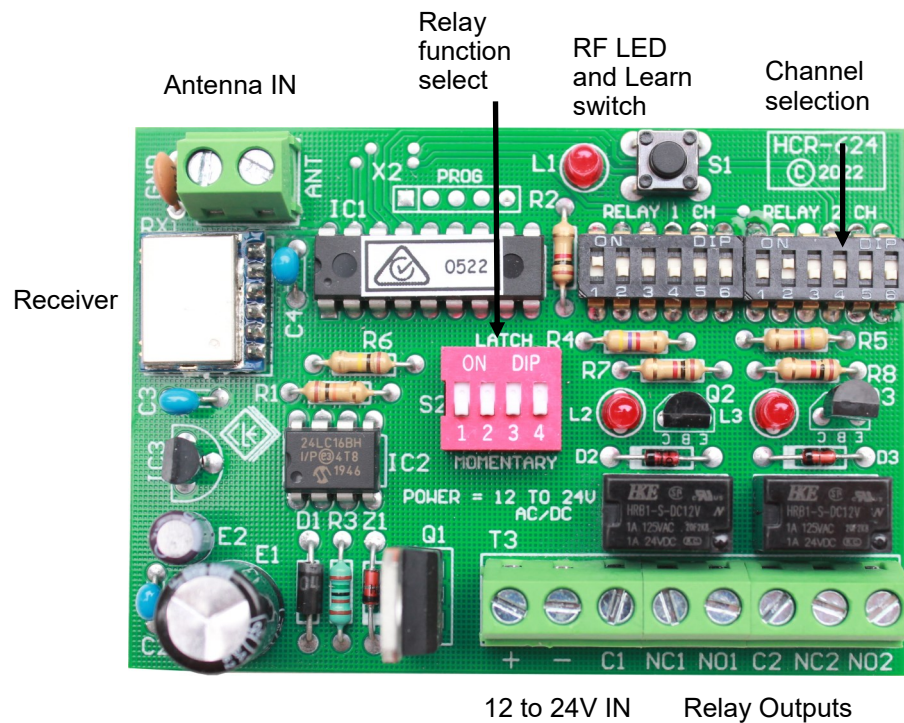


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Overview

The HCR-624 is a general purpose receiver operating on 433.92Mhz. Two (2) single pole double throw (SPDT) relay outputs are available to control external devices. The relays can be configured to be any of six (6) channels received from our code hopping transmitters. This receiver is compatible with all of our code hopping transmitters. The HCR-624 can be powered from any 12 to 24V AC or DC supply. This new version allows much greater flexibility in channel selection and features a new improved performance receiver module.

PCB Layout



NOTE:

Circuit Level has available an **IP65 housing option** for this product for secure installation in outdoor areas. Please inquire through your supplier.

Installation and Set Up

The HCR-624 is supplied as a PCB module without any housing. This reduces cost by allowing the installer to fit them to an enclosure that suits the installation. The product comes fitted with double sided tape.

Learning & Deleting Transmitters

1. Clear the EEPROM memory by holding down the PCB switch **S1**. After 4 seconds the LED will go out and the memory is blank. This is the delete function. No individual delete is possible with this product.
2. Press **S1**, the **LED L1** will flash, now press a button on a fob or transmitter so that the transmission can be learned by the receiver. Note the LED will stop flashing whilst the signal is received. Add other transmitters in the same manner.
3. When all transmitters have been learned press **S1** and the LED will go out or wait 20 seconds and the receiver will exit learn automatically.

Channel Selection

The HCR-624 can be set to operate with any of the six available channels via the on board 6 way DIP switches. The first bank of six switches controls relay 1, the second set of switches controls relay 2. Any combination of switches can be used.

Relay Options

The set of four (4) RED DIP switches on the HCR-624 set the relay function. If 1, 2, 3 or 4 are set to ON this will make the corresponding relay operate in a LATCHING mode, That is, the relay will change state with each transmission. Only channels 1 to 4 can be set with this option.
Only 1 output should be used at **24V AC/DC** in LATCH mode.

.Relay LEDs

Each of the two relays has a corresponding LED to indicate activation.

SPECIAL NOTE:

This product is **not compatible** with our **WE800EV2** and **RE005EV2** products.

Channel 5 is a combination of buttons 1+2 which is a PANIC on the above receivers. Channel 6 is buttons 3 + 4 which is the 2 relay outputs.