# Rako RAVIR Installation, Programming and Operating Instructions

#### General

The Rako RAVIR is an Infra-red to RF interface designed to convert standard RC5 infra red signals to Rakom RF. The unit allows use of generally available IR transmitter devices to select lighting scenes on a Rako system. The RAVIR is fitted with an internal receiver but can also be used with an external IR receiver head allowing the unit to be positioned in a discrete location. The RAVIR requires the use of an external power supply

Before commencing installation of a Rako module please read this instruction manual carefully. Rako Controls Ltd accepts no responsibility for damage or injury caused by incorrect installation of a Rako product.

### Mounting

Rako modules should be mounted in areas that are adequately ventilated, dry and outside of any enclosed metal casings that may interfere with the wireless signal. Wherever possible the mounting bracket should be used.

Whilst Rako modules are designed to be completely maintenance free the units should be mounted in an accessible location should there be a fault or re-addressing of the unit be necessary (see 'Set-up and Addressing')

### Connections

Connect the RAVIR module according to the wiring diagram overleaf. Note the unit is designed to be fed from a 9V or 12V DC power supply.

### Set-Up and Addressing

RAVIR modules can be programmed manually or by using RASOFT programming software. The module needs to be addressed as a channel (preferably one not used by lighting modules) in the same Room as the lighting to be controlled. When programming from RASOFT it is possible to control up to 4 Rooms from one RAVIR, in which case the module should be addressed to a channel in the first Room to be controlled. To address a RAVIR using Rasoft refer to the appropriate programming guide supplied as a PDF with the programming interface (RA or RTC-Bridge etc.) or download from our website: <a href="https://www.rakocontrols.com">www.rakocontrols.com</a>.

# Manual Addressing from Wallplate or Handheld

To manually address a RAVIR follow the Initial Addressing of a Rako Receiver Module overleaf.

## Configuring the RAVIR to match IR transmitters

The default address of the RAVIR is RC5 Base address 5 (VCR1) controlling a single Room. If any other setting is required the set-up requires setting in Rasoft Pro (or original Rasoft). From Rasoft Pro once the unit is addressed (see Set-up and Addressing) right click the device from within the Room Editor page and click Goto RAVIR (Infrared Module). Click the Infrared Set-up tab and a menu will appear allowing the selection of different RC5 base addresses as well as the option allowing the RAVIR to control 2 or 4 Rooms with either a single or 4 Room increment. Note: the first Room will always be the Room to which the RAVIR has been addressed. Should the user require the Hex Codes for devices such as a Phillips Pronto then click the check box 'pronto codes' and the codes will appear in a new window.

#### Care and Maintenance

A Rako module contains no user serviceable parts. Should for any reason you need to contact us please contact us via our website www.rakocontrols.com or by phoning our customer help line on 01634 226666.

