

# WK-EOS-6 Instruction Manual

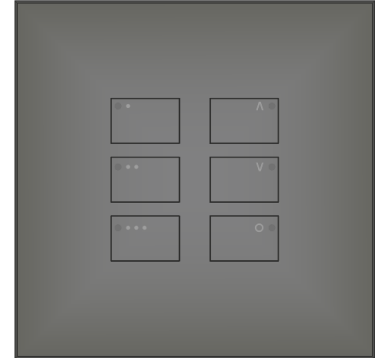


For programming information: [Wireless Module Programming Guide](#) / [Wireless RAK Programming guide](#)

For general overview: [Wireless Module Application Sheet](#) / [Wireless RAK Application Sheet](#)

## What is the WK-EOS-6?

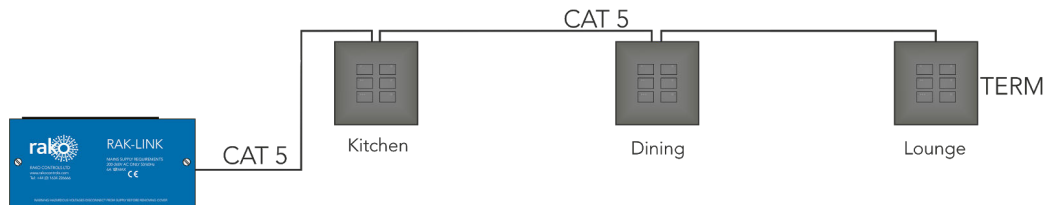
The WK-EOS-6 is a six button keypad for use with Rako wired systems. It will transmit Scene 1-3, Off, Fade Up/Fade Down in a single room before any custom programming is added.



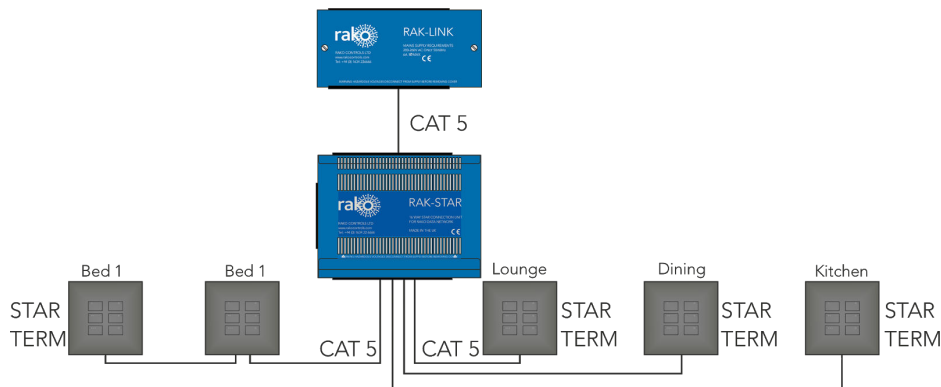
WK-EOS-6 require a RAK-LINK to operate as part of the system.

WK-EOS-6 (as part of the wired network generally) can be wired in two ways:

**“Daisy Chain” configuration** - A single run of keypads runs from the RAK-LINK and to an end point. It is still usually advisable to run a return leg back to the RAK-LINK as a spare.



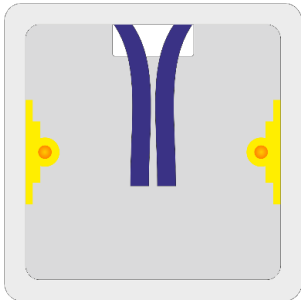
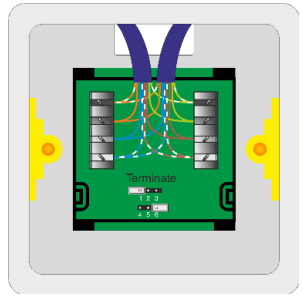
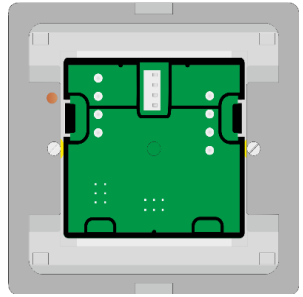
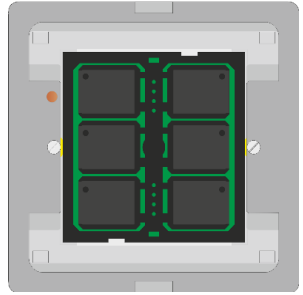
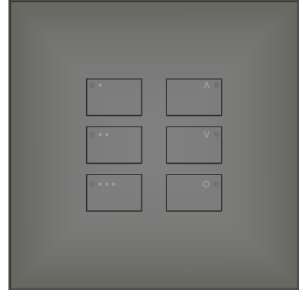
**“STAR” configuration** - Cables are all run back to a central point: a RAK-STAR usually located with the RAK-LINK. Each cable can be from a single keypad or a leg of keypads.



### Installation Note:

The WK-EOS-6 comes in two sections “Front” and “Back” they are referred to as such in the following installation guide. The “Back” section is just a connection board for the CAT5/6 cable. The “Front” section contains all memory and programming.

Installation of the WK-EOS-6 with WP-EOS-60-xx:

<p><b>Step 1</b></p>		<p>Prepare cable(s) in backbox ready for connection.</p> <p>Separate the two halves of the WK-EOS-6 ready for installation. The “back” section (with the punchdown connections) will be installed first.</p> <p><b>TIP:</b> <i>Leave plenty of slack if possible to allow for re-punching down at a later date if required.</i></p>
<p><b>Step 2</b></p>		<p>Punch down cable(s) matching cable colours to colours written on the circuit board.</p> <p>There may be either one or two sets of cables to punch down.</p>
<p><b>Step 3</b></p>		<p>Terminate the WK-EOS-6 as required. See “Terminating the WK-EOS-6” on page 3 of this manual.</p> <p>The back section of the WK-EOS-6 is now installed and is ready for the front section and cover plate.</p> <p><b>TIP:</b> <i>Take care when preparing and installing to not disturb the punchdown connections. Loops are provided on the back section to cable tie the cable(s) if desired.</i></p>
<p><b>Step 4</b></p>		<p>Clip the front section of the WK-EOS-6 into the grid and connect the front section of the WK-EOS-6 to the back section of the WK-EOS-6. Screw the grid for the screwless cover plate into the backbox.</p> <p><b>TIP:</b> <i>If the wired network is powered then the backlit LEDs on the keypad will illuminate.</i></p>
<p><b>Step 5</b></p>		<p>Clip the cover plate into the grid to complete installation.</p>

## Coverplates (WP-EOS-60-xx)

To mount the WK-EOS-6 to the wall a WP-EOS-60-xx is required as shown above. This is available in a variety of finishes including:

- Satin Chrome (Silk) - *WP-EOS-60-SC*
- Polished Chrome - *WP-EOS-60-PC*
- Antique Brass *WP-EOS-60-AB*
- Matt Black - *WP-EOS-60-MB*
- Polished Brass - *WP-EOS-60-PB*
- Matt Bronze - *WP-EOS-60-BM*
- White (Matt) - *WP-EOS-60-WH*

## Terminating the WK-EOS-6

It is important to terminate WK-EOS-6 correctly otherwise the wired system will not function. The termination that is required depends on the nature of the installation and the position of the RAK-LINK within the system.

### **No Term - Both Jumpers removed**

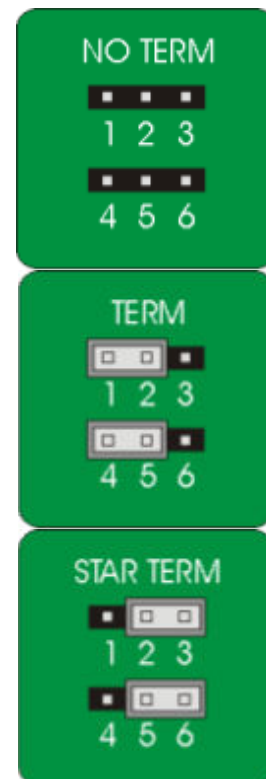
Used when the WK-EOS-6 is not at the end of line. This is usually identifiable by two cables being punched down to the WK-EOS-6.

### **Term - Jumper fitted across 1+2 & 4+5**

Used when the WK-EOS-6 is end of line in a daisy chain configuration. For example the WK-EOS-6 marked "TERM" shown in "Typical Wired Installation layout" on page one.

### **Star Term - Jumper fitted across 2+3 & 5+6**

Used when the WK-EOS-6 is end of line in a STAR wire configuration. For example the WK-EOS-6 marked "STAR TERM" on page one.



## Programming the WK-EOS-6

The WK-EOS-6 is programmed using the Rasoft Pro programming software. A WA/WTC-Bridge or WK-HUB is required for any programming of a wired system.

[Wired system Programming Guide](#) - For information on how to programme the wired system using Rasoft Pro.

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Rako thanks you for having purchased a Rako product and hopes that you are pleased with your system. Should for any reason you need to contact us please contact us via our website [www.rakocontrols.com](http://www.rakocontrols.com) or by phoning our customer help line on 01634 226666.

