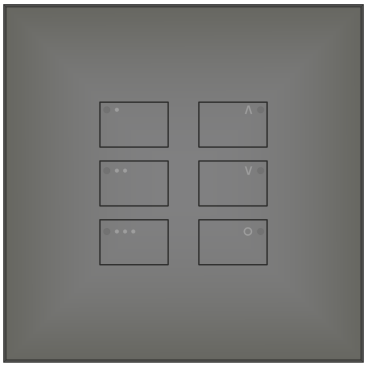
WK-EOS-6 Instruction Manual

For programming information: Wireless Module Programming Guide / Wireless RAK Programming guide

For general overview: Wireless Module Application Sheet / Wireless RAK Application Sheet



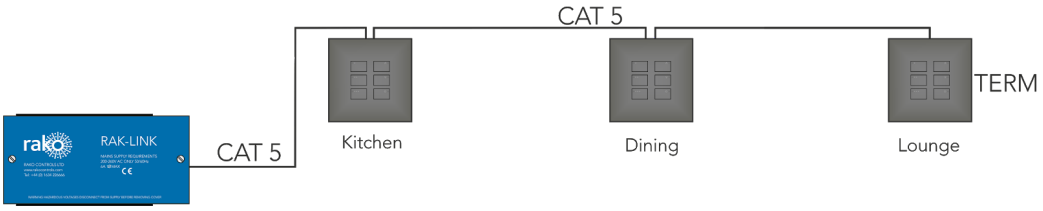
What is the WK-EOS-6?

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.

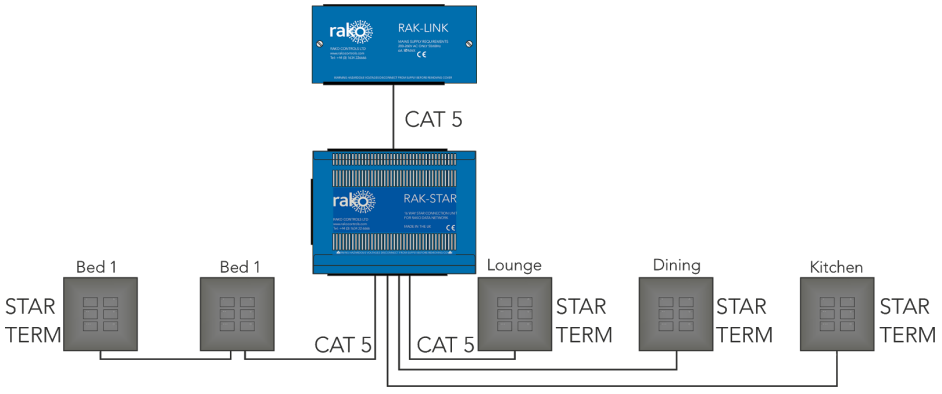
WK-EOS-6 require a RAK-LINK to operate as part of the system.

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.



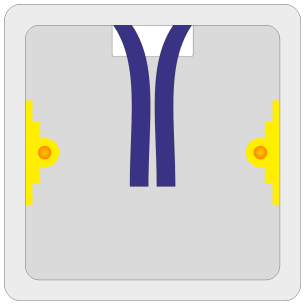
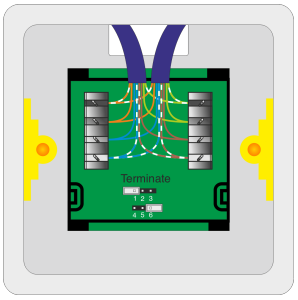
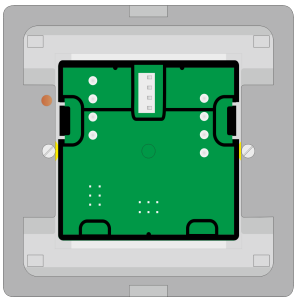
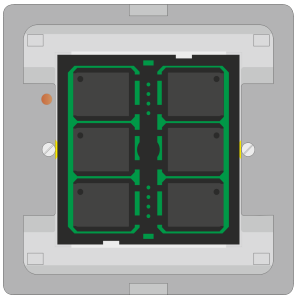
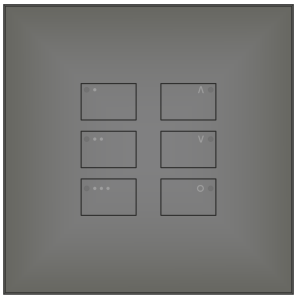
"STAR" configuration - Cables are all run back to a central point: a RAK-STAR usually located with the RAK-LINK. Each cable can be from a single keypad or a leg of keypads.



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:

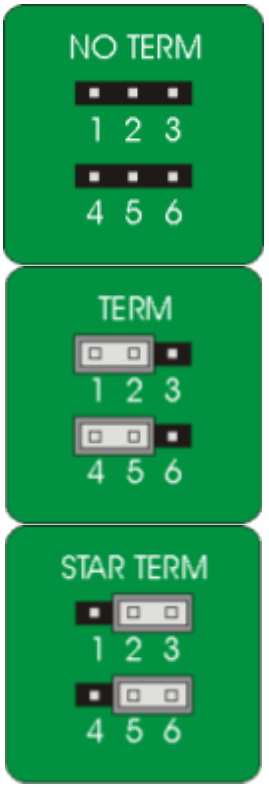
Step 1		Prepare cable(s) in backbox ready for connection. Separate the two halves of the WK-EOS-6 ready for installation. The “back” section (with the punchdown connections) will be installed first. **TIP**: *Leave plenty of slack if possible to allow for re-punching down at a later date if required.*
Step 2		Punch down cable(s) matching cable colours to colours written on the circuit board. There may be either one or two sets of cables to punch down.
Step 3		Terminate the WK-EOS-6 as required. *See “Terminating the WK-EOS-6” on page 3 of this manual.* The back section of the WK-EOS-6 is now installed and is ready for the front section and cover plate. **TIP:** *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.*
Step 4		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. **TIP:** *If the wired network is powered then the backlit LEDs on the keypad will illuminate.*
Step 5		Clip the cover plate into the grid to complete installation.

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.

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 or by phoning our customer help line on 01634 226666.