

RAK-STAR: CAT-5 star distribution unit

Rako Wired system can be connected by Loop in/Loop out wiring scheme or by Home Run scheme.

In Home Wiring scheme all Wall Plates and other devices can be wired back to a central position. This is normally where RAK-4 dimmers, RAK-Links and other Rako system components are installed.

The RAK-STAR distribution unit allows the Home Run wiring to be achieved.

Figure 1

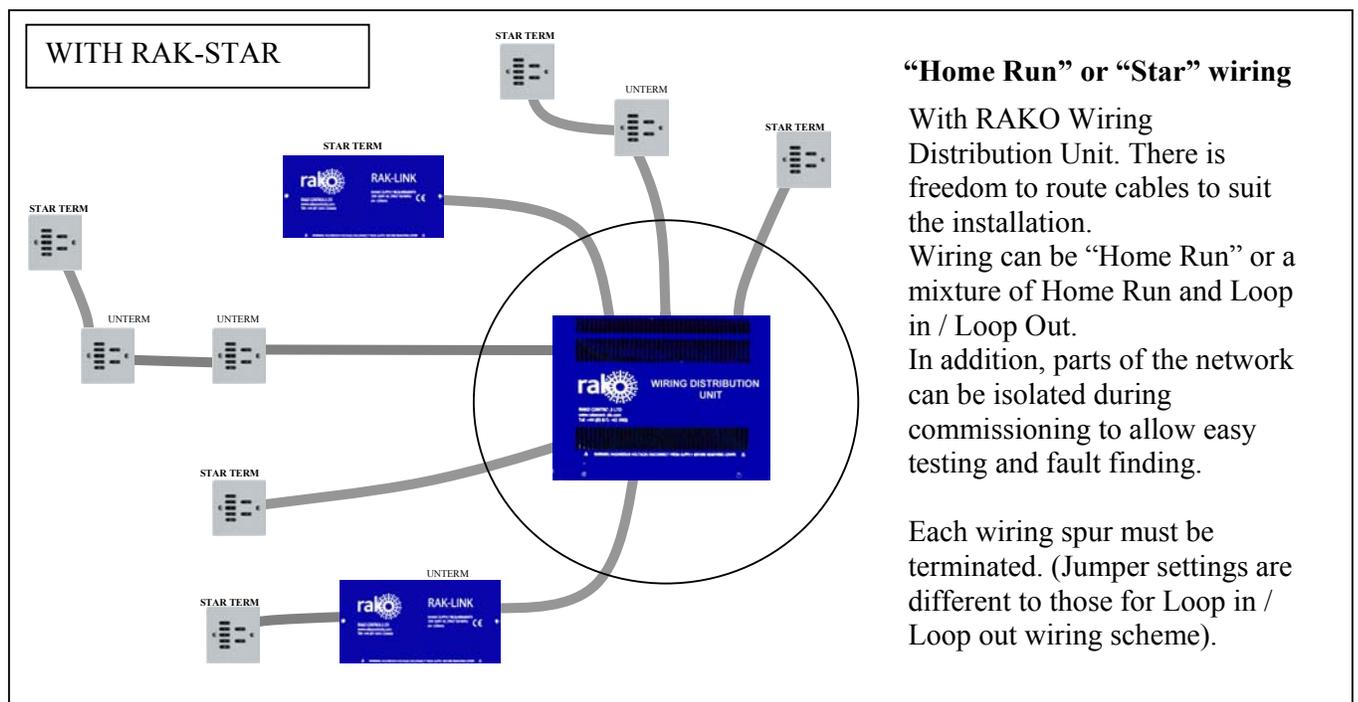
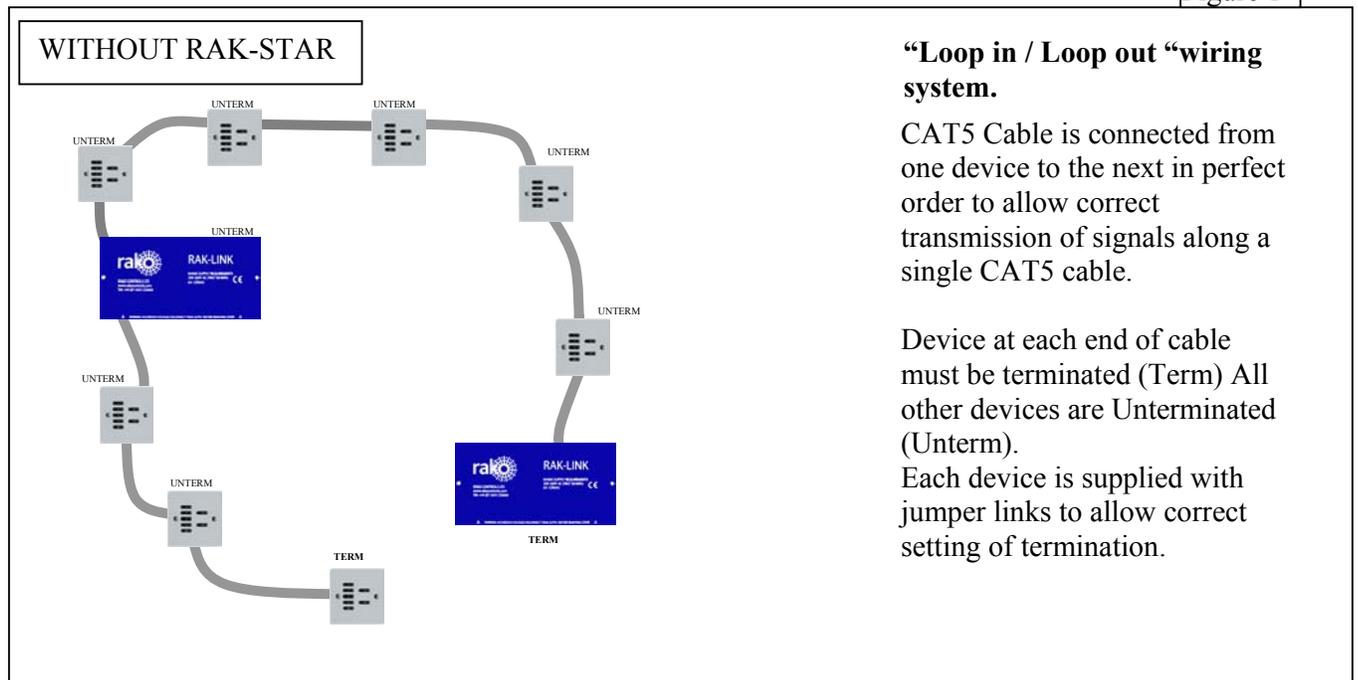


Figure 2

See Figures 5 & 6 for detail of how to make correct cable terminations

RULES FOR WIRING CAT5 CABLES TO DISTRIBUTION BOX

1. Follow the Colour Code marked next to the Punch down Connectors
2. Only put ONE CAT5 cable in each Punch Down Connector
3. Only put a switch in UP position when it's Punch Down connector has been populated with CAT5 cable. This will connect that section of cable to the network.
4. Put switches in DOWN position when their Punch down connectors are empty.

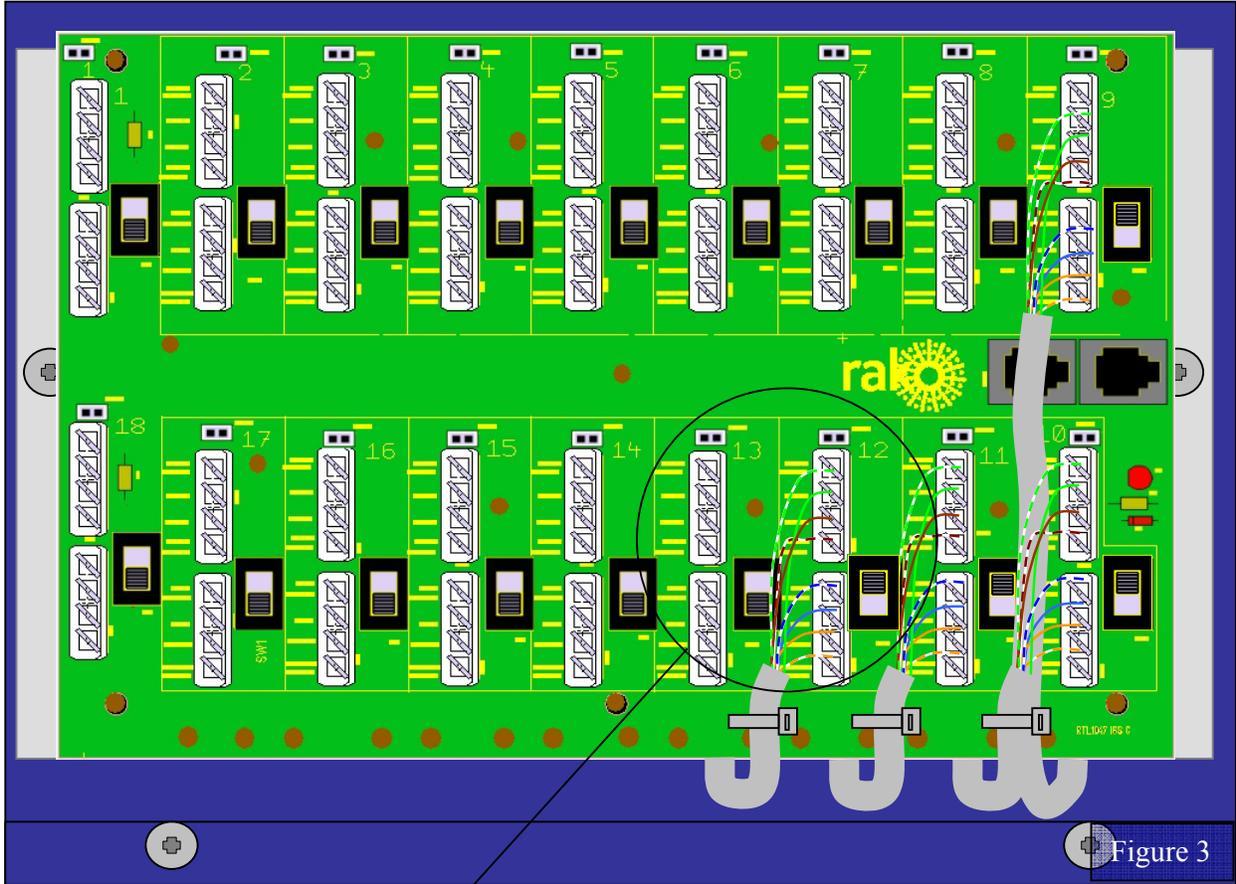
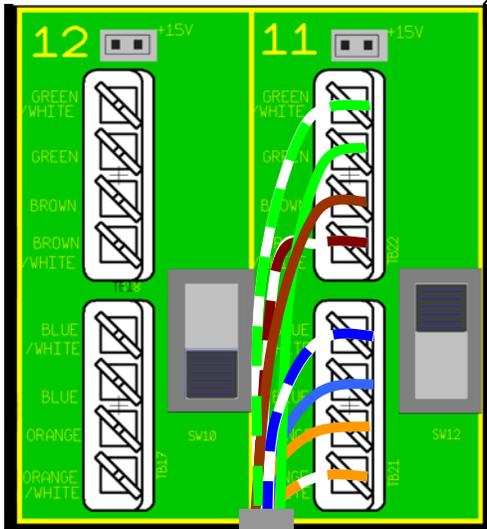
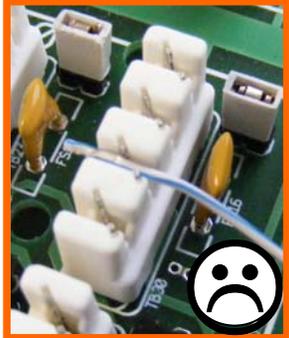
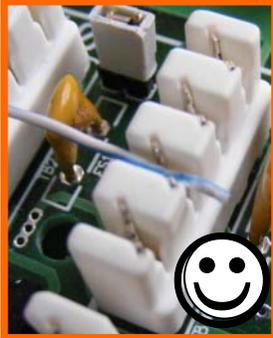
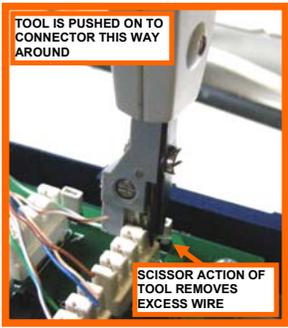
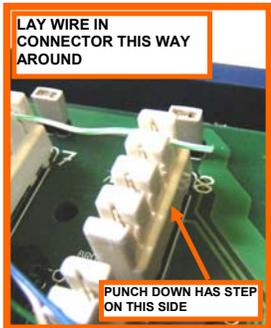


Figure 3



No cables in this position, so switch is **DOWN**

This position has cables, so switch is **UP**



USING MORE THAN ONE RAK-STAR UNIT

If number of connections is too great then 2, 3 or more RAK-STAR units can be connected together to give bigger capacity.

WHEN CONNECTING RAK-STAR UNITS TOGETHER, ONLY USE FIRST AND LAST CONNECTOR NUMBERS.

Picture here shows 3 RAK-STAR units connected together:

RAK-STAR 1 connector 1
Goes to
RAK-STAR 2 connector 18

RAK-STAR 2 connector 1
Goes to
RAK-STAR 3 connector 18

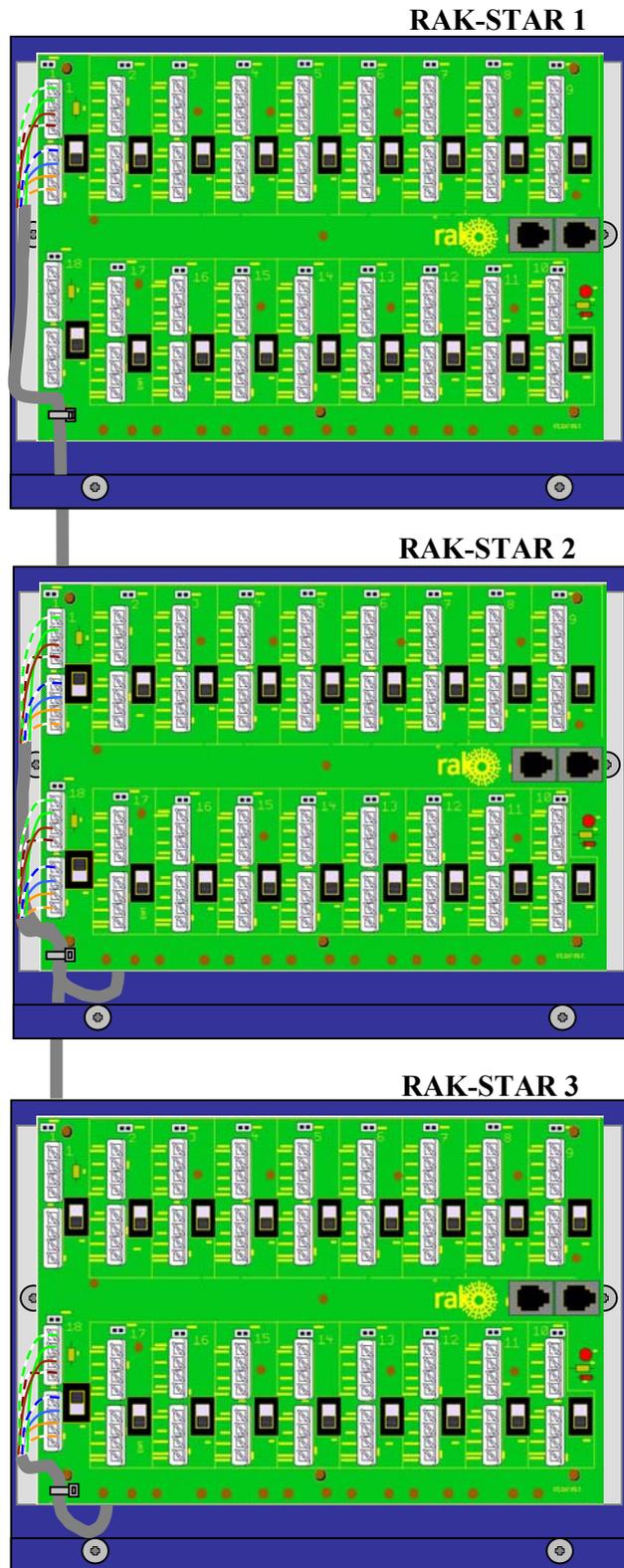
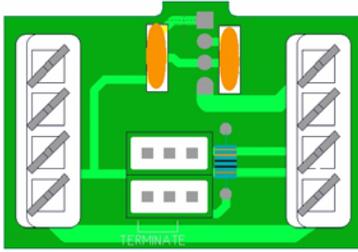


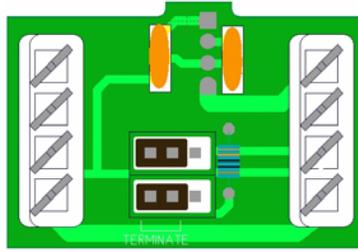
Figure 4

Termination Jumpers

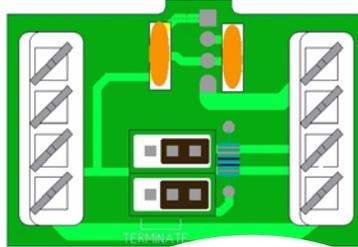
Wall Plates and RAKLink boxes require Termination jumpers (see also figures 1 & 2).



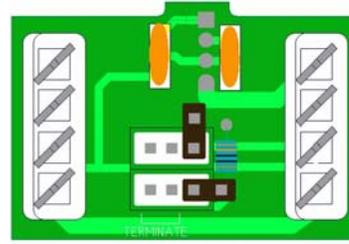
UNTERM



TERM



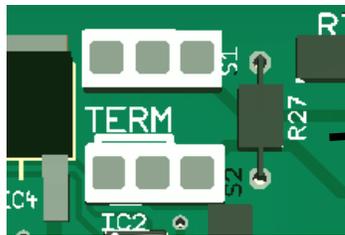
STAR TERM



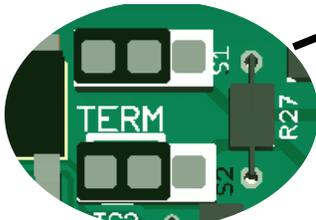
NOTE: Devices are supplied unterminated with jumpers supplied in shipping positions as above

TERMINATION JUMPERS ON WALL PLATE

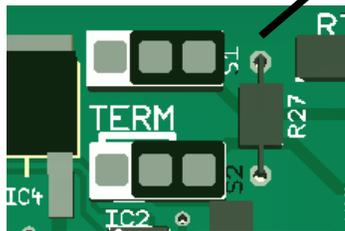
Figure 5



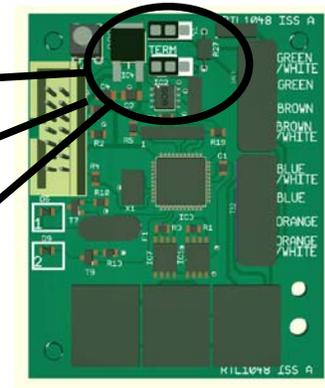
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STAR TERM



TERMINATION JUMPERS ON RAKLINK

Figure 6