

INSTRUCTION SHEET: DMX CONNECTION

All KLIK DMX controlled linear products are supplied with Cat5/6 cables supporting DMX transmission. Each fitting is supplied with a labelled DMX IN and DMX OUT (if required) RJ45 Socketed cable.

The pinouts are wired as per Table 4 Section 7.3 of E1.11 – 2008, USITT DMX 512-A. (TABLE 1)

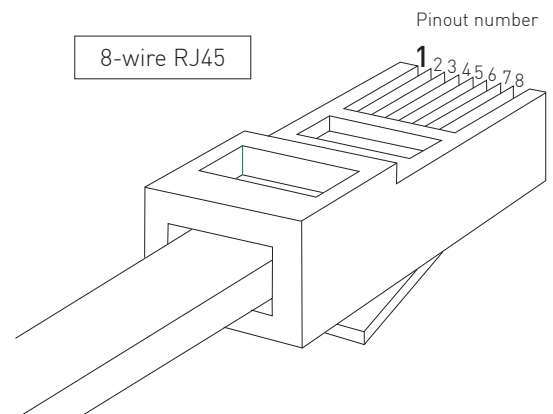


TABLE 1

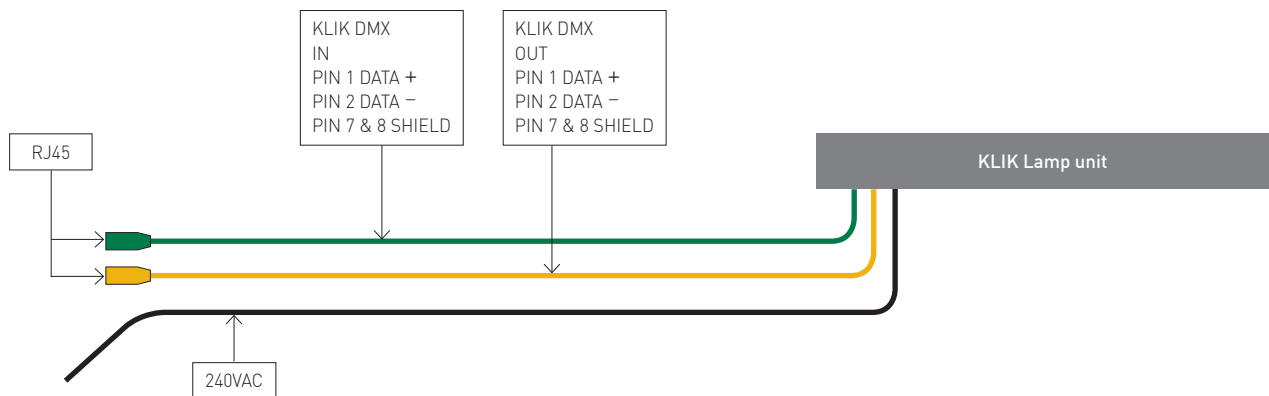
[Wire] #	DMX512 Function	T568B Wire Colour	T568A Wire Colour
1	Data 1 +	White/ Orange	White/ Green
2	Data 1 -	Orange	Green Pin
3	Data 2 + (Not utilised)	White/ Green	White/ Orange
4	Data 2 - (Not utilised)	Blue	Blue
5	Not assigned	White/ Blue	White/ Blue
6	Not assigned	Green	Orange
7	Data Link Common	White/ Brown	White/ Brown
8	Data Link Common	Brown	Brown
	Drain		

Klik fittings are configured internally or in a remote box as follows:

- All DMX controllers are supplied with optically isolated receivers.
- Multiple DMX controllers (Nodes) are wired internally as a daisy chain. Each node has a 1 in, 2 out splitter. KLIK DMX nodes do not need to be terminated with a 120Ω resistor.
- These Nodes may be wired internally with CAT 5 cable or a 3 core cable. Internal DMX wiring of KLIK fittings are propriety and may not conform to Table 4 Section 7.3 of E1.11 – 2008, USITT DMX 512-A. Any alteration to internal DMX wiring is not covered by KLIK warranty. It is suggested that if any modifications are to be made that a KLIK technician be contacted first.
- Unless otherwise specified all Nodes are factory set to DMX start channel 1. To alter the start address of a Node, physical access to the Node is required. The Node also requires a supply voltage to re-address the DMX controller. DMX-RDM is not supported in standard KLIK fittings.
- If multiple addresses are KLIK factory set, then these addresses will be labelled on the Node and on the fitting. Note: It is not necessary to daisy chain addressed fixtures in numerical order.
- KLIK DMX Nodes are designed to be daisy chained across multiple KLIK fittings without the need for external DMX Splitters.
- KLIK DMX fittings should never be wired in a star topology. Fittings shall be daisy chained connecting DMX OUT labelled cables to the next DMX IN labelled cable. If a star type topology is required then a DMX Splitter shall be used.
- Any external DMX wiring (CAT5/6) installed by the contractor shall be segregated and cross other power lines at a 90° angle.
- On KLIK suspended products the length of the Cat5/6 cables (IN/OUT) will be the same as the power feeds and will be grey.
- No other data or power is to be connected to the DMX IN or DMX OUT connections.



KLIK DMX internal wiring diagram



KLIK DMX remote wiring diagram

