

Thank you for purchasing Stanwax Laser ILDA to CAT5 adaptors

These adaptors allow you to use 1 pair of standard CAT5 data cables for connecting 1 ILDA output from a laser controller such as Pangolin FB3 or QM2000 to a laser projector.

IMPORTANT. These adaptors are not networking devices and should not be considered as such, they simply use the same cable as network data as an alternative to running long 25-way ILDA leads. CAT5 cable can be very cheap and will prove much easier to route within a venue as the small ends can easily pass through small gaps that a moulded 25-way connector would not fit. CAT5 infrastructure within a building can also be used even if run through patch panels and data cabinets, as long as the route does not pass through a hub or switch.

The adaptors come as a pair and will pass the following signals through the CAT5 cable pair

+/- X, +/-Y, ILDA interlock, +/-R,G,B, ground, & shutter.

Unlike cheaper versions with a single RJ45 connector, our adaptors transmit full differential signals for the colour modulation and scanner signals using a pair of CAT 5 cables.

To use the adaptors simply connect a short standard ILDA lead to your projector hardware (FB3 etc) and connect the other end to the adaptor marked 'To Laser Hardware'.

At the projector end repeat but with a short ILDA lead between the ILDA input of your laser projector, and the adaptor marked 'To Laser Projector'

Use a pair of CAT 5 cables between the adaptor boxes.

One RJ45 connector on each box is marked with a yellow spot sticker, ensure that the same cable joins the marked port on one adaptor and the marked port on the other adaptor.



It is advisable to use CAT5 cables that are suitably marked so you can easily identify which cable is which.

Suggestions are – use cables with different colour cover or RJ45 boot, or simply place a piece of tape or a cable tie round the ends of one cable only.

Test for correct output from the laser projector.

Specifications

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| Connections | - double RJ45 cable ports |
| | - DB25 male for laser controller end |
| | - DB25 female for laser projector end |
| Weight | - 80g each adaptor |
| Max cable run | - This will depend on the quality of the CAT5 cable used up to 100m |
| Dimensions | - 64mm x 30mm x 50.5mm |
| Construction | - Extruded, anodised aluminium |

A note about retaining screws. The finger screws on ILDA leads use for retaining the connector in place can be used with these adaptors – but remember they are there to stop the lead from falling off they don't need to be very tight. Over tightening of these screws can lead to damage of the screw or the metal panel and may make it difficult to unscrew. Use moderate pressure when applying retaining screws.