STANWAX LASER

ILDA to CAT5 adaptor pair
V1.02 June 2012

Made in Britain

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 QM2OOO 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.
In addition to these signals there is provision for connecting ILDA pin 24 (-UD4) which when used in conjunction with a projector equipped with a Stanwax Laser ILDA interface board, will allow for a laser start button to be utilised.

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'. Connect 2 CAT5 leads to the RJ45 socket on the other side of the 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.

Stanwax Laser ILDA to CAT 5 Adaptor pair

It is important to be able to identify the cables so make sure each end of one cable is clearly marked. Note which port you have fitted the marked lead into (left or right) and ensure that the same cable goes to the same hand at the other end. At the projector location, use the adaptor marked 'To Laser Projector' and fit the CAT5 leads to the same ports as used at the hardware end and connect a short ILDA lead to the adaptor, connecting the other end to your projector. Test for correct output from the laser projector.

Specifications

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.