

Thank you for purchasing Stanwax Laser MatILDA ILDA signal buffer. This simple to use device was designed and built in Britain, we therefore thank you for supporting British industry.

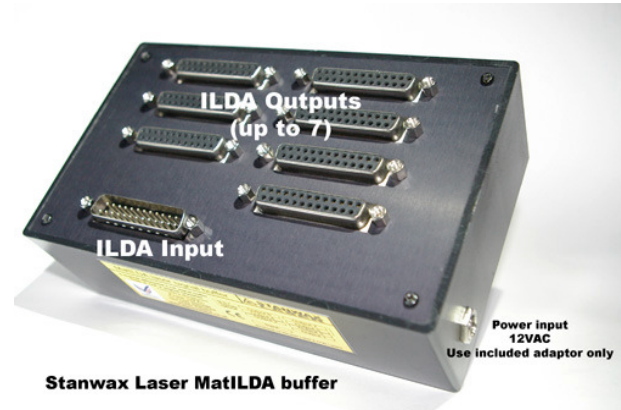
MatILDA provides up to 7 buffered ILDA outputs from one single input. This prevents lasers with different input characteristics to output the same content, from one controller, without interfering with each other. MatILDA will buffer differential signals for X, Y, Z, R, G, B, to each of the output connectors, and is available with 3, 5, or 7 outputs. The circuit boards inside MatILDA are modular and in the OEM format can provide up to 15 outputs from one ILDA signal. MatILDA also passes the ILDA shutter signal to each output and each output has the ILDA interlock pins shorted together as per any laser output hardware. Outputs have dual protection form short circuit and over voltage and the input is high impedance. Several MatILDA units can be connected together to expand the output capability further.

### Important

MatILDA is a buffer only and will not amplify or boost your signals at the end of a long cable run. The outputs are 1:1 buffered from the input.

### To use MatILDA

Connect all cables before applying power. It is recommended that MatILDA is placed at the remote location near the projectors to minimise cable routing. Connect the output of your laser controller to the single ILDA input on the front panel (DB25 Male). Next connect up your laser projectors to any of the outputs and connect power using only the supplied mains adaptor (12VAC 700mA). Any signal applied to the input from the laser controller hardware will appear simultaneously on all output connectors.



### Specifications

Connections	- 1x DB25 male for ILDA input
	- 3,5 or 7 DB25 female for laser projector outputs
	- Low voltage power input connector
Gain	- 1.0 MatILDA does not amplify the signal.
Channels	- 6 differential signal channels (12 buffers in all)
Protection	- Each channel is short circuit protected, and has diode clamping to prevent over voltage
Power Supply	- 12V AC only – Use only the included power adaptor. Using any other adaptor will void the warranty.
Weight	- 300g (3 outputs) 350g (5 outputs) 400g (7 outputs)
Dimensions	- 157mm x 95mm x 55mm
Construction	- ABS plastic housing with anodised aluminium panel
Warranty	- 1 year from purchase

A note about retaining screws. The finger screws on ILDA leads use for retaining the connector in place can be used with the connectors on MatILDA – 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 only moderate pressure when applying retaining screws.