

# ILS503 - Mounted Presentation Matrix Switcher with KVM.

Until now switchers were designed to fit inside a lectern, they were often very bulky 19" rack components with a mass of cables running to a connection panel on the outside. Thankfully, this now has changed!

ILS has developed a unique matrix switcher, using the latest Silicon Image chip sets and technologies. The ILS switcher is specifically designed for a lectern without internal storage space.

The new ILS503 matrix switcher/KVM USB switch is very compact: this 170x80x40 mm package will fit right into the side or top edge of a lectern, and provides easy access to all sockets.

All connectivity for external devices (laptops, document cameras, players) can easily be plugged into the switcher via HDMI, DP and VGA plus audio. We've included a LAN connection, a USB3 B socket to hook up extern laptops to the internal monitor touch interface, and a USB A socket to interface with the internal lectern PC.

A manual switch will cycle through any active sockets, and a status light provides feedback.

Internally the system provides hooks to another HDMI input for the 4x2 switcher. It also provides independent HDMI and HDBaseT/ CAT6 outputs, as well as output to a second switch: this is the loop-back switcher to the lectern monitor. This second switch operates independently; it takes the input of the selected port on switcher 1 and the 3rd HDMI input (which is the second output of the internal PC) and takes that to a single HDMI output destined for the lectern monitor.

This specific configuration allows the system to operate in extended desktop mode, while operating in duplicate mode when switching to other external sources. This is beneficial for users of the ILS sho-Q (our software suite for interactive presenting) or PowerPoint who select dual screen operation.



*ILS503 flush-mounted into the side of the ILS SYNERGY family, a series of height-adjustable pillar based lecterns.*



ILS503 front view

ILS503 rear view

The USB switch simultaneously acts as a KVM switcher. There are USB3 B and USB3 A ports on either inside. The USB cable for the lectern's touch monitor runs through here. When connecting an external laptop, its monitor shows on the lectern monitor and mouse/ touch/pen commands get passed through, allowing for interaction similar to the lectern's own PC. LAN and audio inputs are provided, audio extracted from HDMI is available on the inside.

Control of the system can be done in 4 ways:

1. the cycle switch on the ILS503 itself
2. through contact closure with status light, ILS lecterns have LED buttons on the top for quick switching.
3. via a serial interface connected to the back, using a straightforward protocol.
4. over IP, using a parser driver for the command set to address the device (including security settings).

Available video bandwidth means you can display 4K systems at 30Hz, and all lower resolutions at 60hz.

Auto switching and EDID Minder is built in.

Users and producers of non-ILS lecterns and podiums can use this device to support easy integration with custom rack ears or mounts for their systems.

The system requires a 24Volt 1 Amp connection.

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