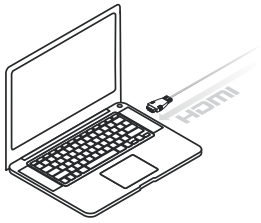
EVENT MANAGER

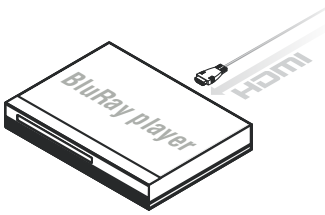
visual engineering
LIGHTWARE

CONDITIONS

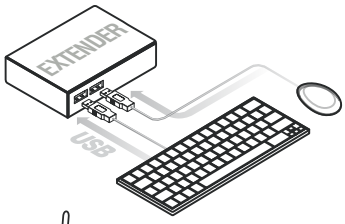
Video input signal detection/change



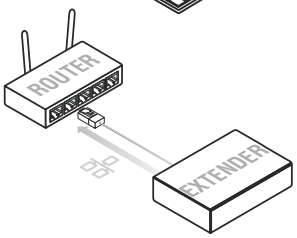
Audio input signal detection/change (digital only)



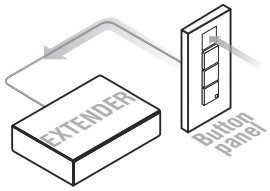
USB KVM device connection



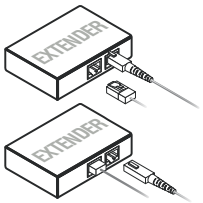
Ethernet link status



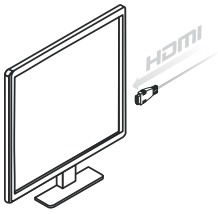
GPIO state changes



Optical/TPS connection link status

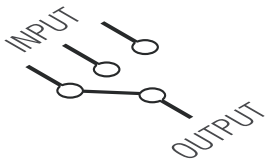


Display connection status

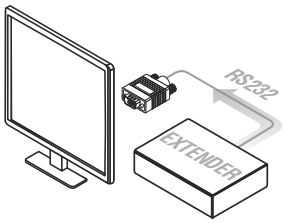


IR command detection

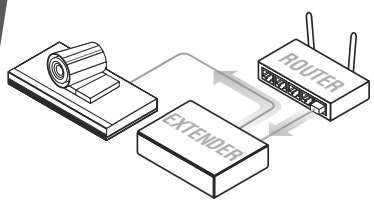
ACTIONS



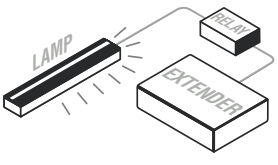
Switch video/audio /IR/RS-232 crosspoint

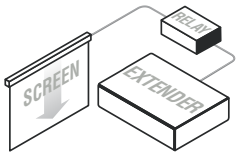


Send RS-232 message



Send TCP/UDP messages to predefined destinations





Set/reset/toggle GPIO pin

Event Manager can perform a selectable action when a predefined condition is detected

The **Event Manager** is a **smart, built-in feature** in the Lightware HDBaseT™ compatible TPS extender family, the MODEX line and in some select matrix switchers like the MMX6x2-HT series units. The feature is available through the freely downloadable **Lightware Device Controller software**.

The Event Manager was developed to handle tasks from the most simple to expert ones, like **controlling** the rolling **shutter**, the air conditioning **system** or the **lights** based on any condition changes on the media ports, such as a new source being connected or removed.

Event Manager application is continuously updated with **additional features** via firmware upgrades: a **delay** can be added between the condition and the action and **more actions** can be triggered **by a single condition change**. With the help of the 'condition count' and 'action test' features, the predefined **settings can be tested** before going live. The system can recognize **infrared** commands which can also be set as conditions, and commands can also be sent **via Ethernet**.

Event Manager **saves time**, cost and even **installation space**, which makes Lightware equipment the **optimal choice** in a number of different configurations. Currently the following Lightware products include Event Manager:

- **UMX-TPS**-TX120/130/140
- **MMX6x2**-HT200/210/220
- **MMX4x2**-HDMI/HT200
- **UMX-HDMI**-140
- **HDMI-TPS**-TX210/TX220
- **HDMI-TPS**-RX110AY
- **SW4-TPS**-TX240
- **SW4-OPT**-TX240
- **HDMI-3D-OPT**-TX210A/TX210RAK
- **DVI-HDCP-TPS**-TX210/TX220
- **DP-TPS**-TX210/TX220
- **MODEX**
- **WP-UMX-TPS**-TX120-US/130-US

UMX-TPS-TX140

MMX6x2-HT220

MMX4x2-HT200

UMX-HDMI-140

HDMI-TPS-TX220

HDMI-TPS-RX110AY

SW4-TPS-TX240

SW4-OPT-TX240

DVI-HDCP-TPS-TX220

DP-TPS-TX220

HDMI-3D-OPT-TX210RAK

MODEX-F15-OPTS

WP-UMX-TPS-TX130US

EVENT MANAGER WIZARD

Assigning an action to a condition is quick and easy with the Wizard function of Event Manager. The most typical examples of the currently selectable conditions and actions within the Event Manager Wizard are the following:

All the control you need
is already built-in

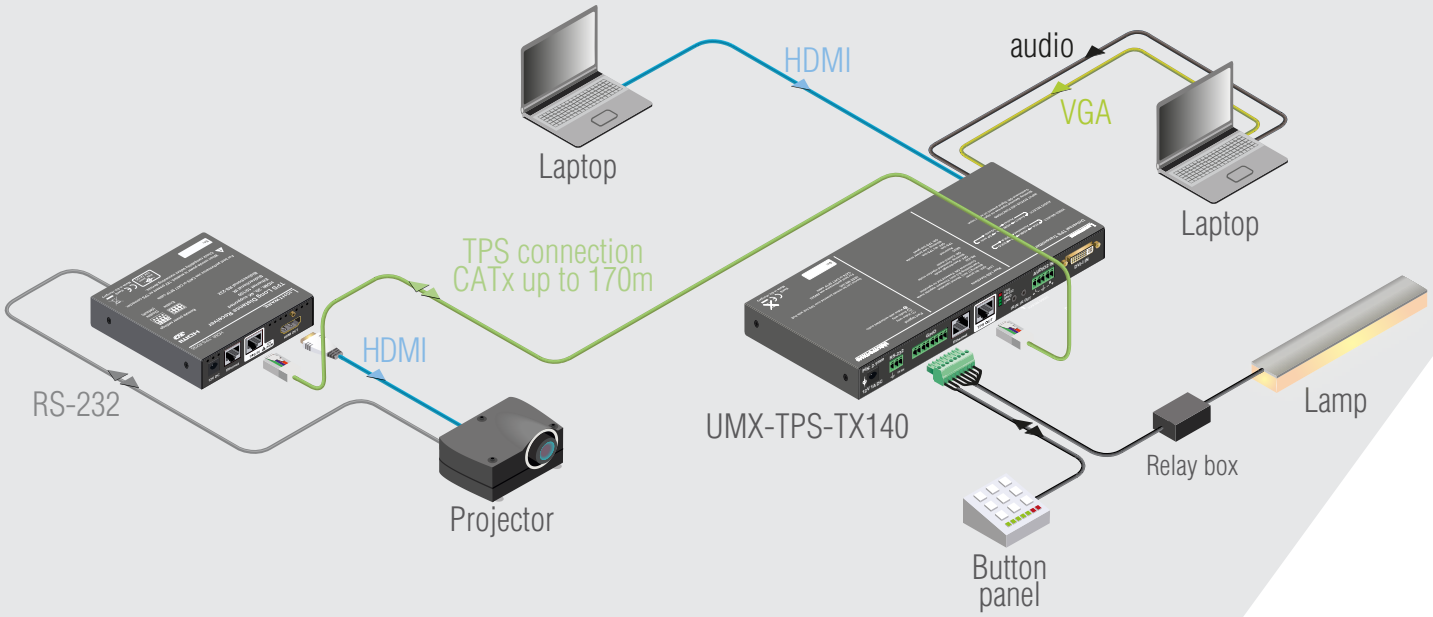
Conditions

Video	Signal is detected on a port
Video	Signal is not detected on a port
Audio	Signal is detected on a port
Audio	Signal is not detected on a port
Audio	Signal type changes to PCM
Audio	Signal type changes to Compressed
Audio	Signal type changes to HBR
Audio	Signal type changes to Undefined (no signal)
IR	Infra code recognized
General	OPT/TPS link state changes to Dis-/Connected

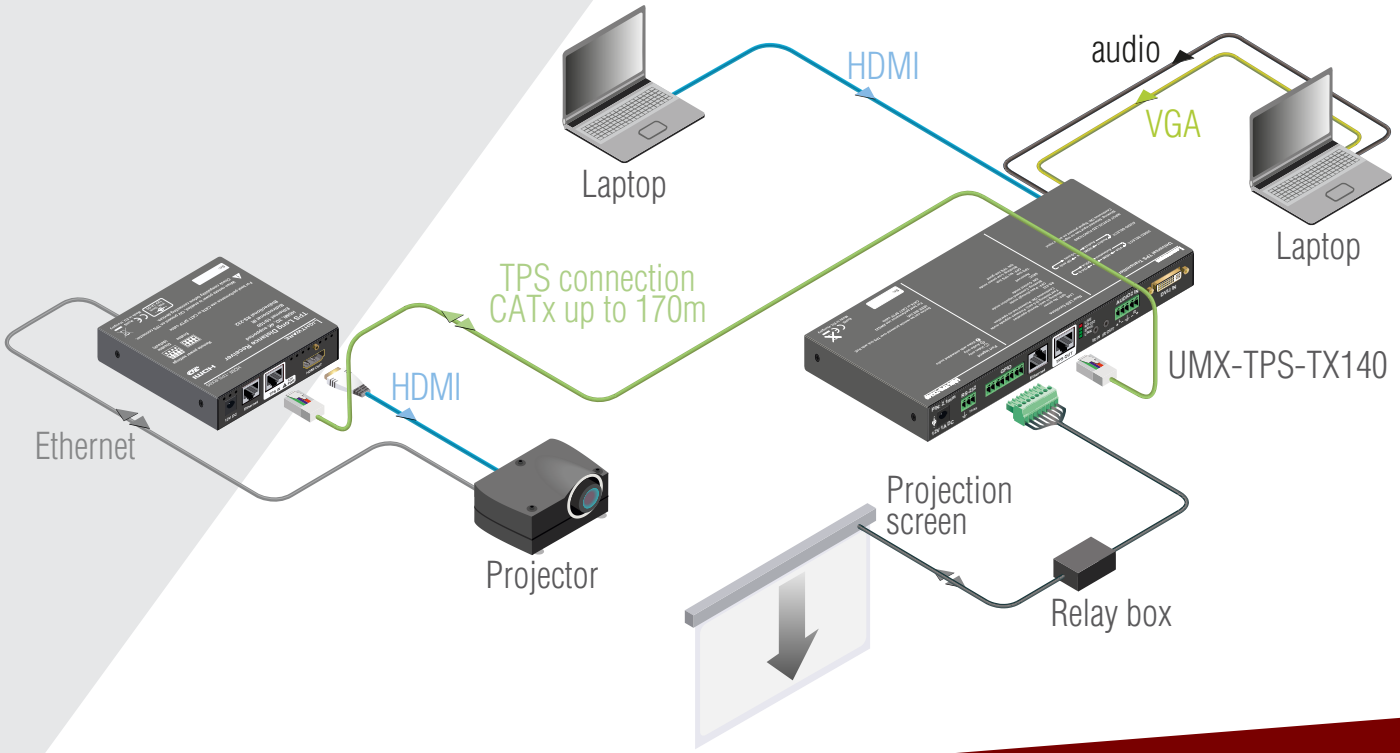
Actions

Video	Switch input to output
Video	Enable autoselect output
Video	Disable autoselect on output
Ethernet	Send TCP command
Ethernet	Send UDP command
R232	Send RS232 message
EDID	Switch EDID
Audio	Set audio volume
Audio	Mute output
Audio	Unmute output
Audio	Increase/decrease volume

EXAMPLE A



EXAMPLE B

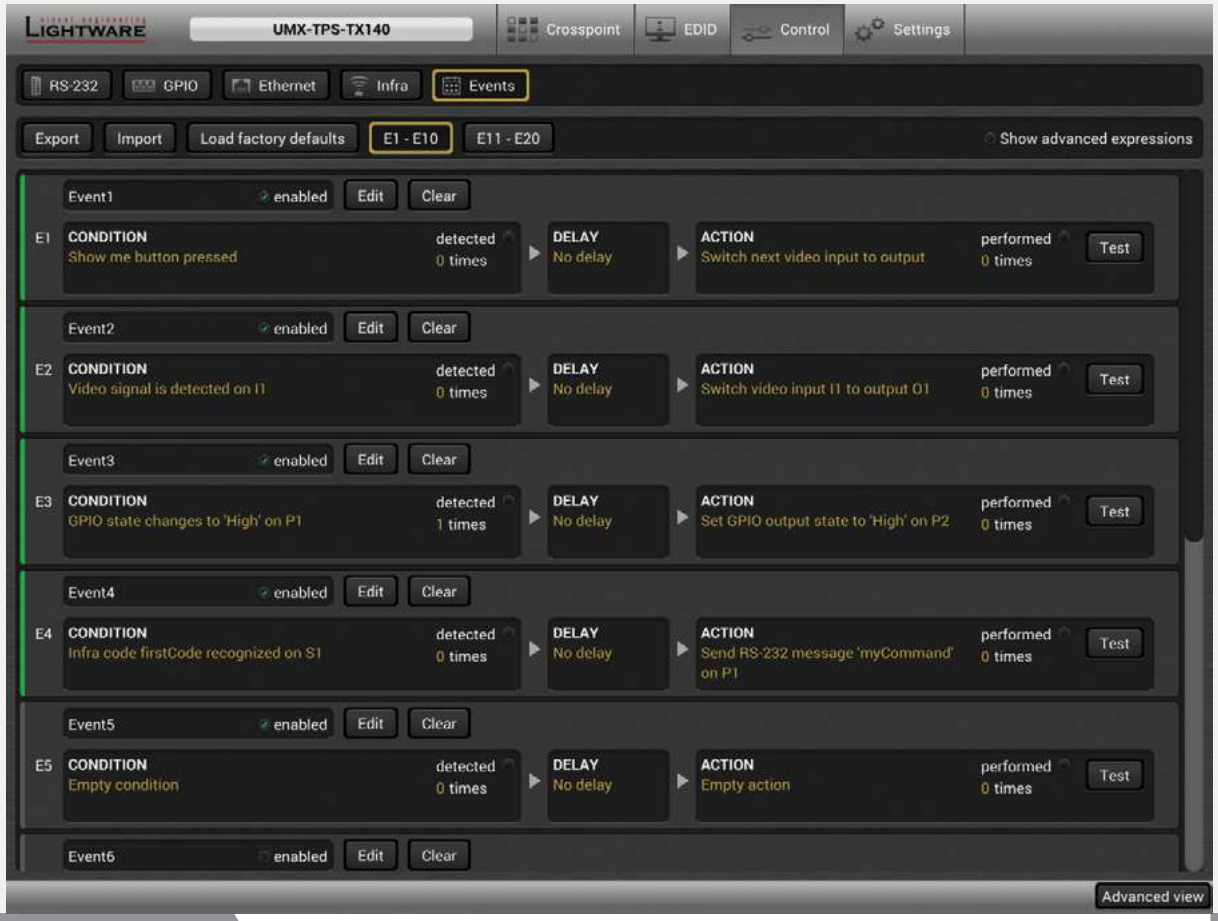


With a button panel connected through the GPIO port, the UMX-TPS-TX140 can be controlled from a remote location; input switching is available even if the transmitter is mounted underdesk. In the example above there are three actions followed by a condition. When an input selector button is pressed on the remote button panel, the selected input port is switched to the output, the projector turns on.

Conditions	Actions
Press button panel 	Input select on the TPS transmitter
	Switch on the projector using RS-232
	Switch off the lamp using the transmitter's GPIO port

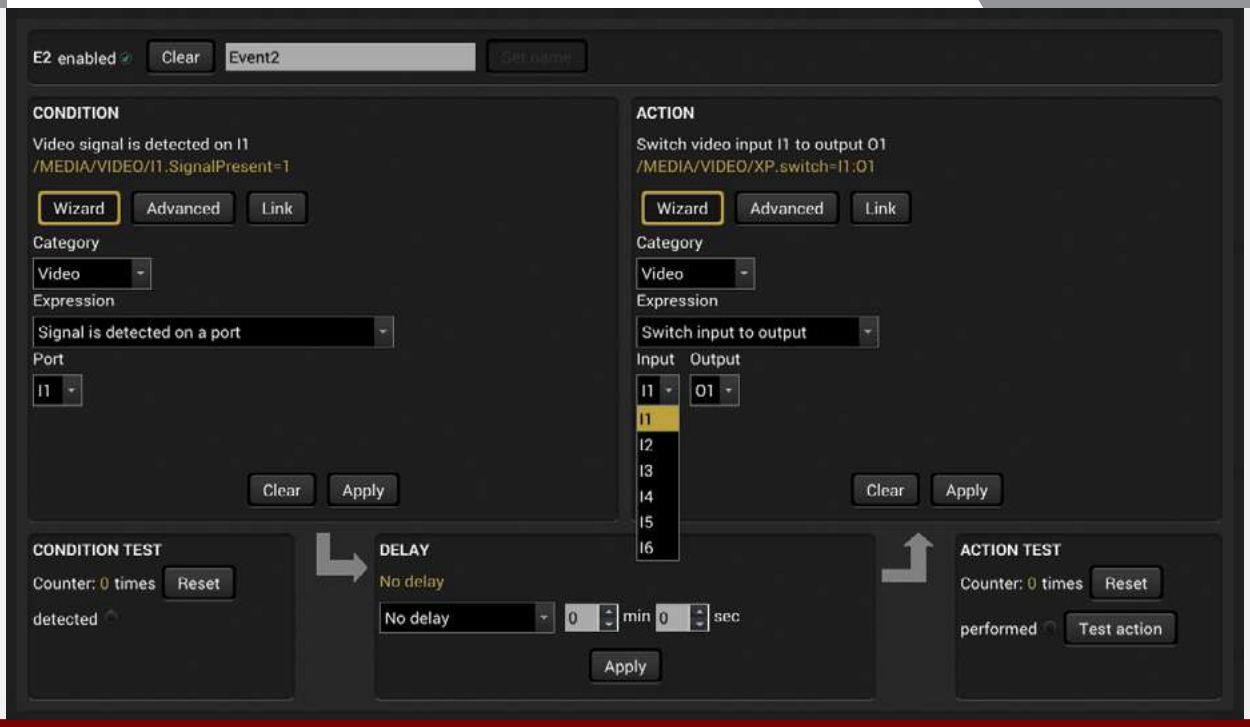
Conditions	Actions
Plug HDMI 	Input select on the TPS transmitter
	Switch on the projector using TCP/IP
	Roll down the projection screen using the transmitter's GPIO port

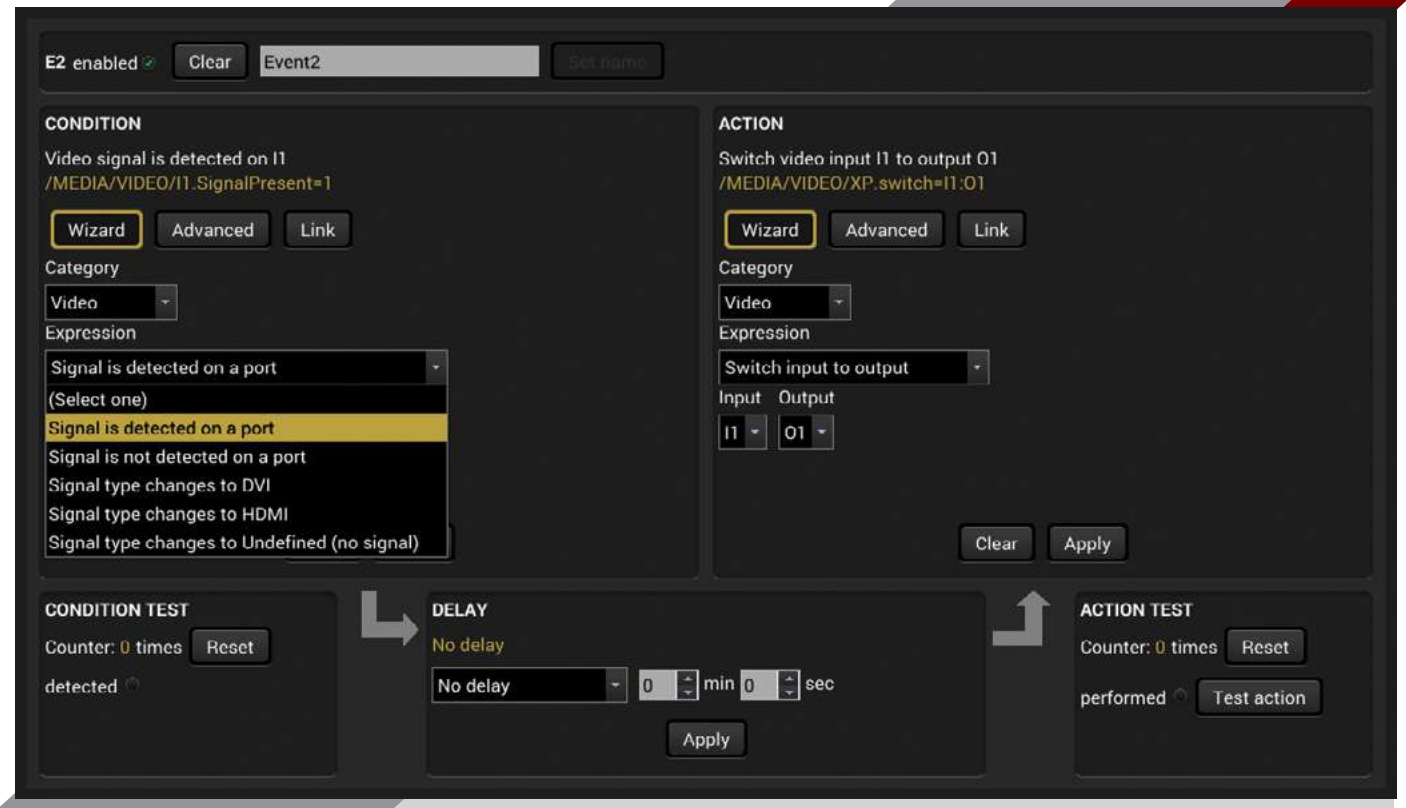
The projector and the rolling screen (via relay box) are connected to the UMX-TPS-TX140. When the user connects a laptop to the HDMI port of the transmitter, then the connected input is selected automatically, the screen goes down and the projector turns on to display the source.



The Events menu contains separately configurable Events

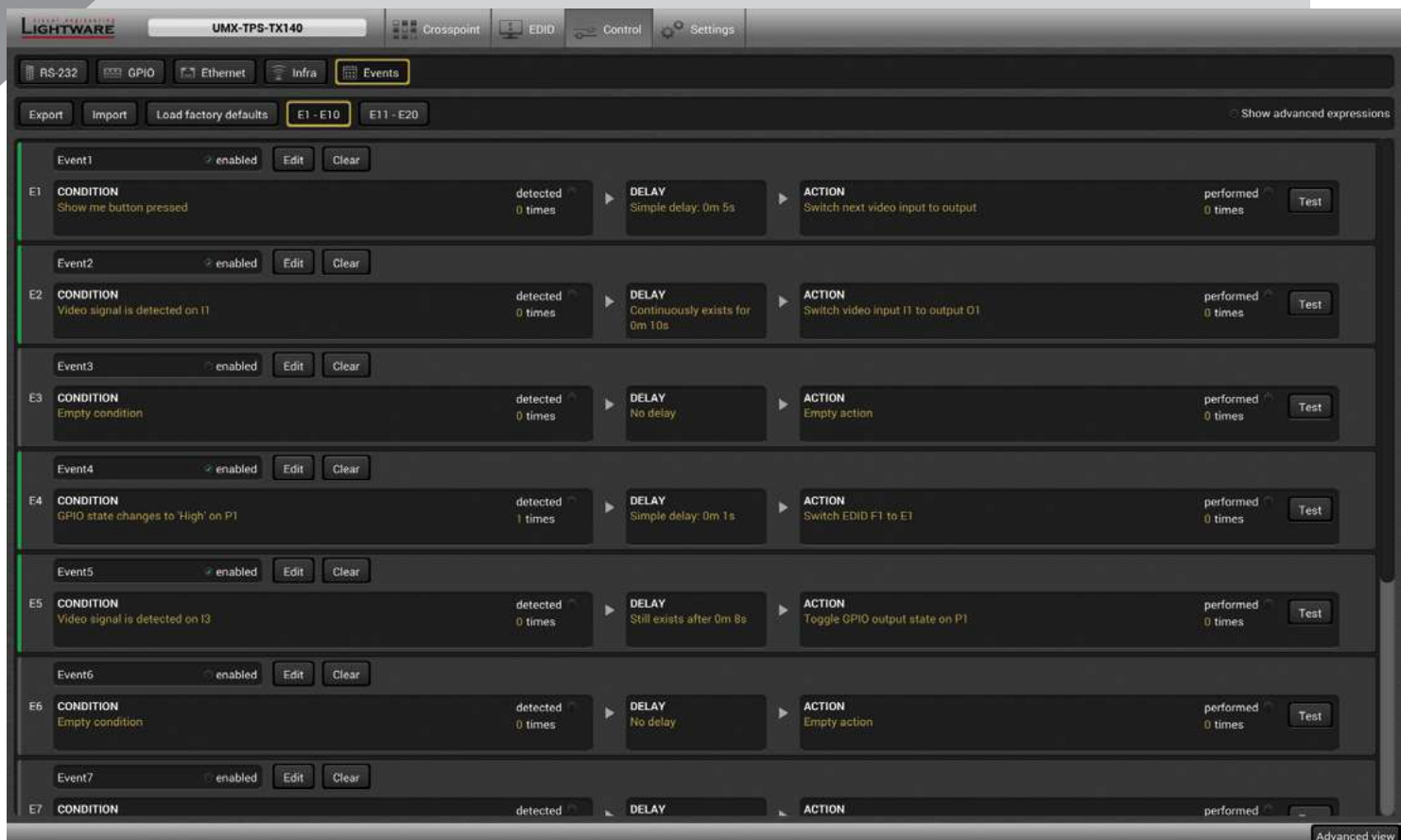
The Event Wizard makes the setup easy with simple dropdown options





There are many default Expressions available to choose from

Green lines show which Event is configured and active, the rest stays grey



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LIGHTWARE
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