



LIGHTWARE

UMX-TPS-TX140

Crosspoint

EDID

Control

Settings

RS-232

GPIO

Ethernet

Infra

Events

Export

Import

Load factory defaults

E1 - E10

E11 - E20

Event1

enabled

Edit

Clear

E1

CONDITION

Show me button pressed

detected

0 times

DELAY

No delay

ACTION

Switch next video input to output

performed

0 times

Event2

enabled

Edit

Clear

E2

CONDITION

Video signal is detected on I1

detected

0 times

DELAY

No delay

ACTION

Switch video input I1 to output O1

performed

0 times

Event3

enabled

Edit

Clear

E3

CONDITION

GPIO state changes to 'High' on P1

detected

1 times

DELAY

No delay

ACTION

Set GPIO output state to 'High' on P2

performed

0 times

Event4

enabled

Edit

Clear

E4

CONDITION

Infra code firstCode recognized on S1

detected

0 times

DELAY

No delay

ACTION

Send RS-232 message 'myCommand' on P1

performed

0 times

Event5

enabled

Edit

Clear

E5

CONDITION

Empty condition

detected

0 times

DELAY

No delay

ACTION

Empty action

performed

0 times

Event6

enabled

Edit

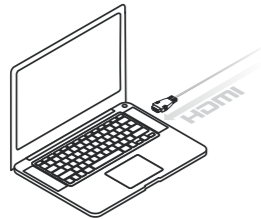
Clear



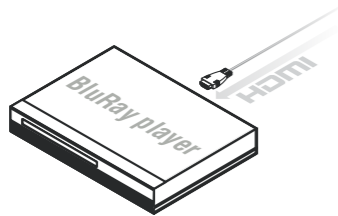
EVENT  
MANAGER

# CONDITIONS

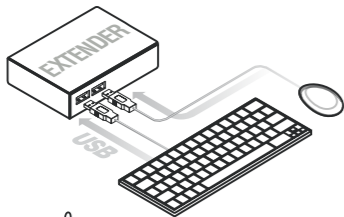
Video input signal detection/change



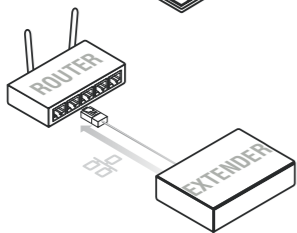
Audio input signal detection/change (digital only)



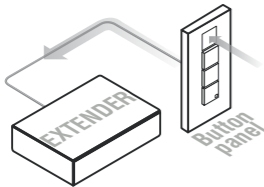
USB KVM device connection



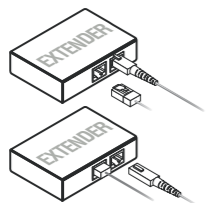
Ethernet link status



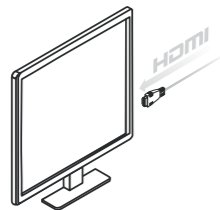
GPIO state changes



Optical/TPS connection link status



Display connection status

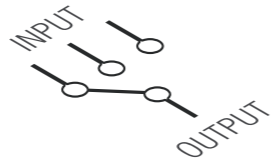


IR command detection

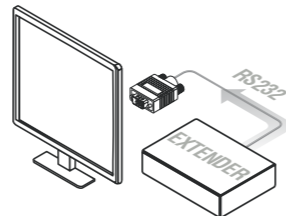


Event Manager can perform a selectable action when a predefined condition is detected

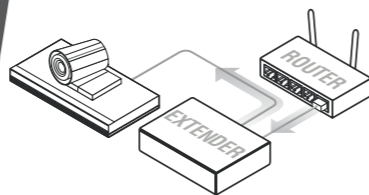
# ACTIONS



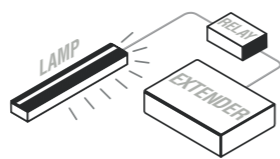
Switch video/audio /IR/RS-232 crosspoint



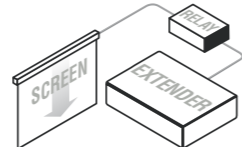
Send RS-232 message



Send TCP/UDP messages to predefined destinations



Set/reset/toggle GPIO pin



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**
- **SW4-TPS-TX240**
- **WP-UMX-TPS-TX120-US/130-US**
- **MODEX**





## EVENT MANAGER WIZARD

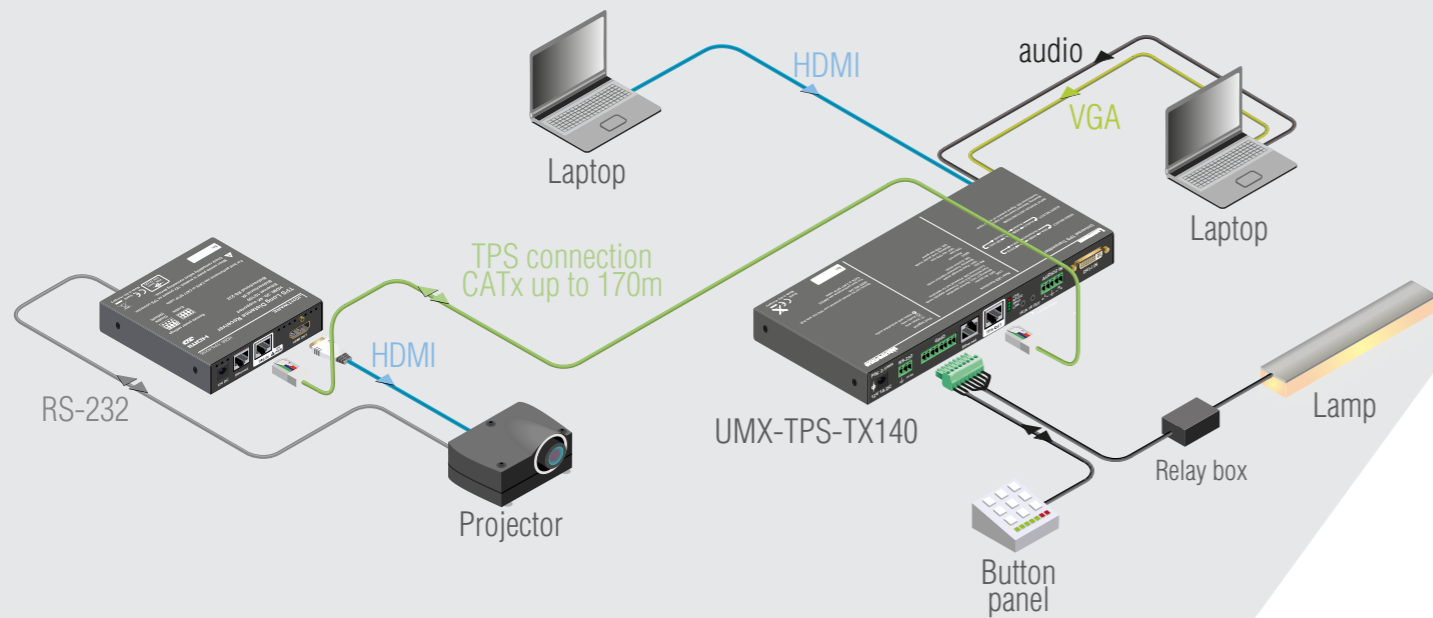
Assigning an action to a condition is quick and easy with the Wizard function of Event Manager. The most typical examples of the currently selectable conditions and actions within the Event Manager Wizard are the following:

**No additional control**  
needed in less complex systems







Conditions		Actions	
Video	Signal is detected on a port	Video	Switch input to output
Video	Signal is not detected on a port	Video	Enable autoselect output
Audio	Signal is detected on a port	Video	Disable autoselect on output
Audio	Signal is not detected on a port	Ethernet	Send TCP command
Audio	Signal type changes to PCM	Ethernet	Send UDP command
Audio	Signal type changes to Compressed	R232	Send RS232 message
Audio	Signal type changes to HBR	EDID	Switch EDID
Audio	Signal type changes to Undefined (no signal)	Audio	Set audio volume
IR	Infra code recognized	Audio	Mute output
General	OPT/TPS link state changes to Dis-/Connected	Audio	Unmute output
		Audio	Increase/decrease volume

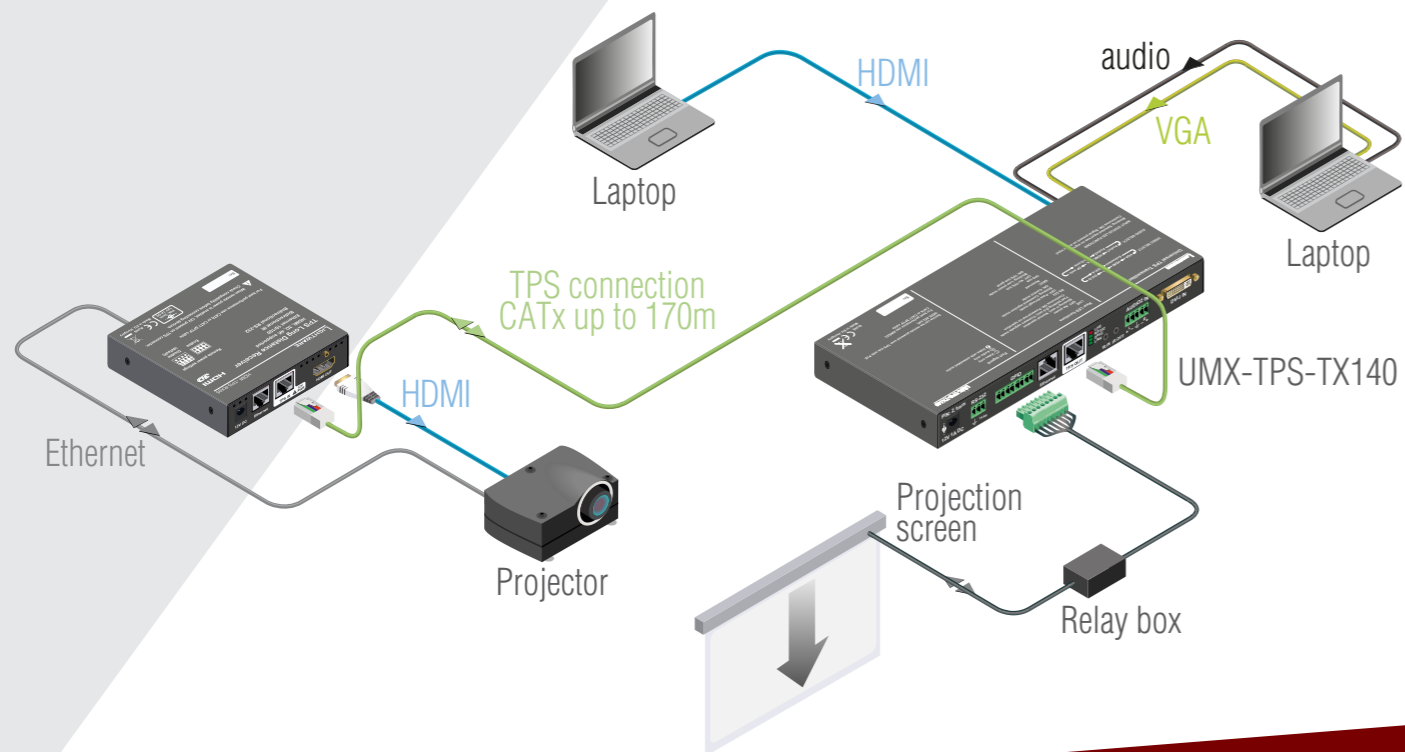
# EXAMPLE A







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.

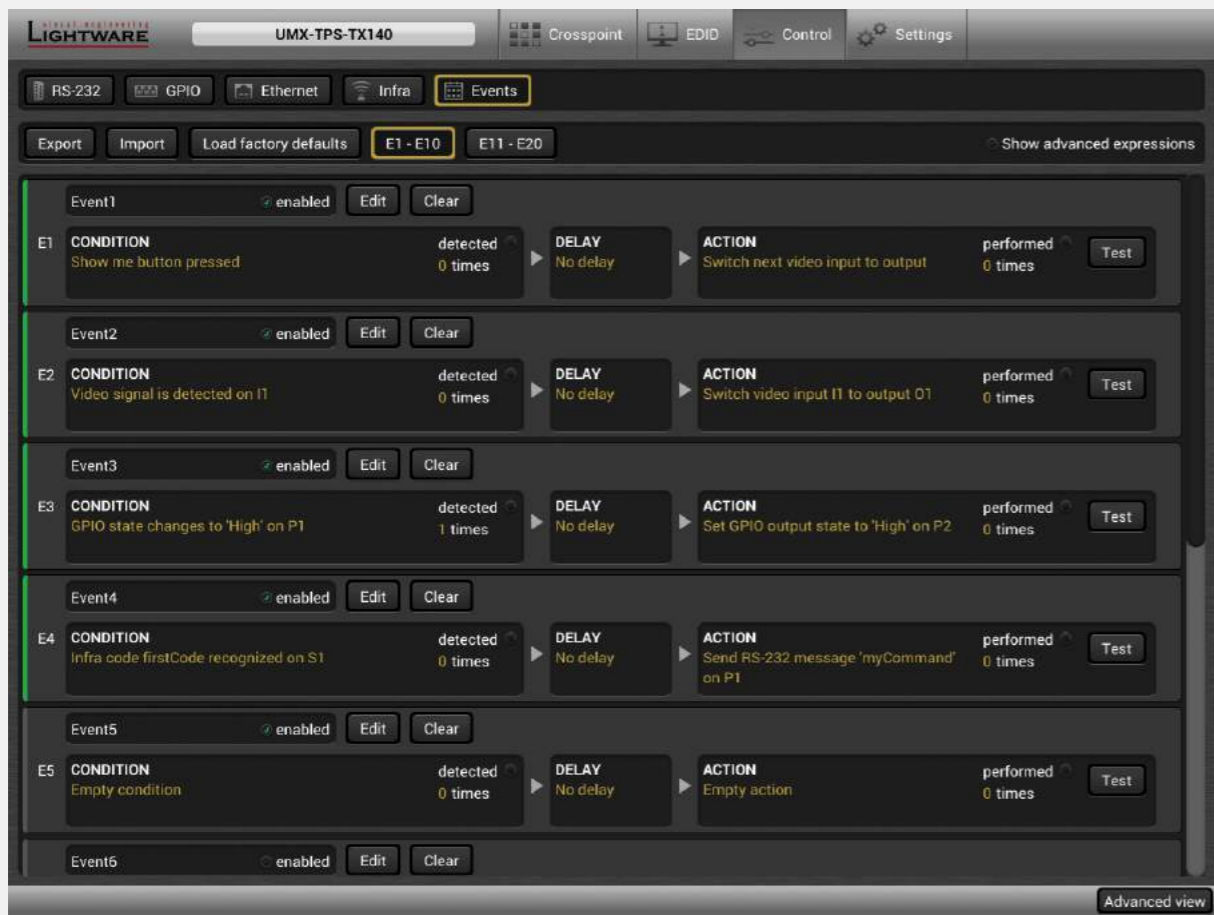
Conditions	Actions
<b>Press button panel</b> 	 <b>Input select on the TPS transmitter</b>  <b>Switch on the projector using RS-232</b>  <b>Switch off the lamp using the transmitter's GPIO port</b>

# EXAMPLE B

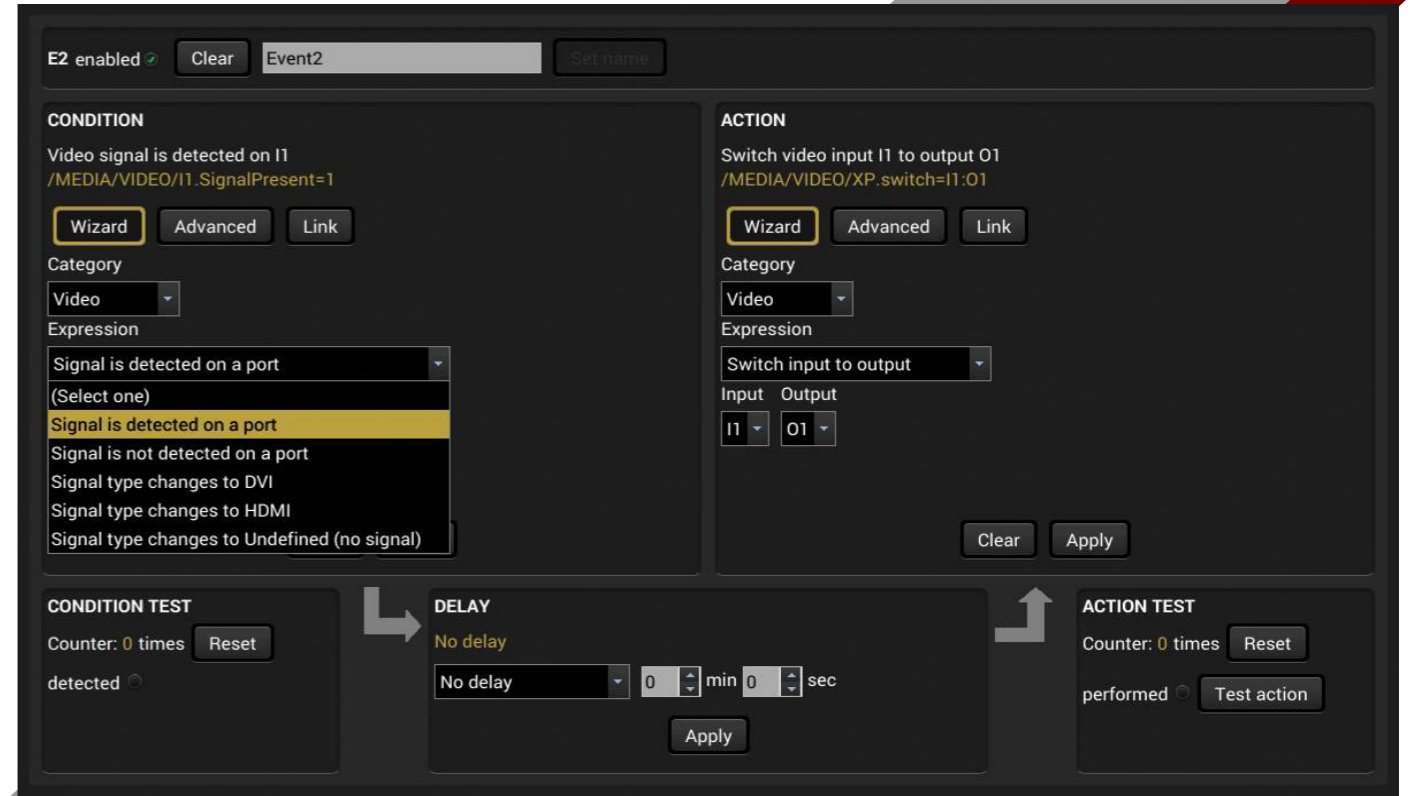


Conditions	Actions
<b>Plug HDMI</b> 	 <b>Input select on the TPS transmitter</b>  <b>Switch on the projector using TCP/IP</b>  <b>Roll down the projection screen using the transmitter's GPIO port</b>

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.

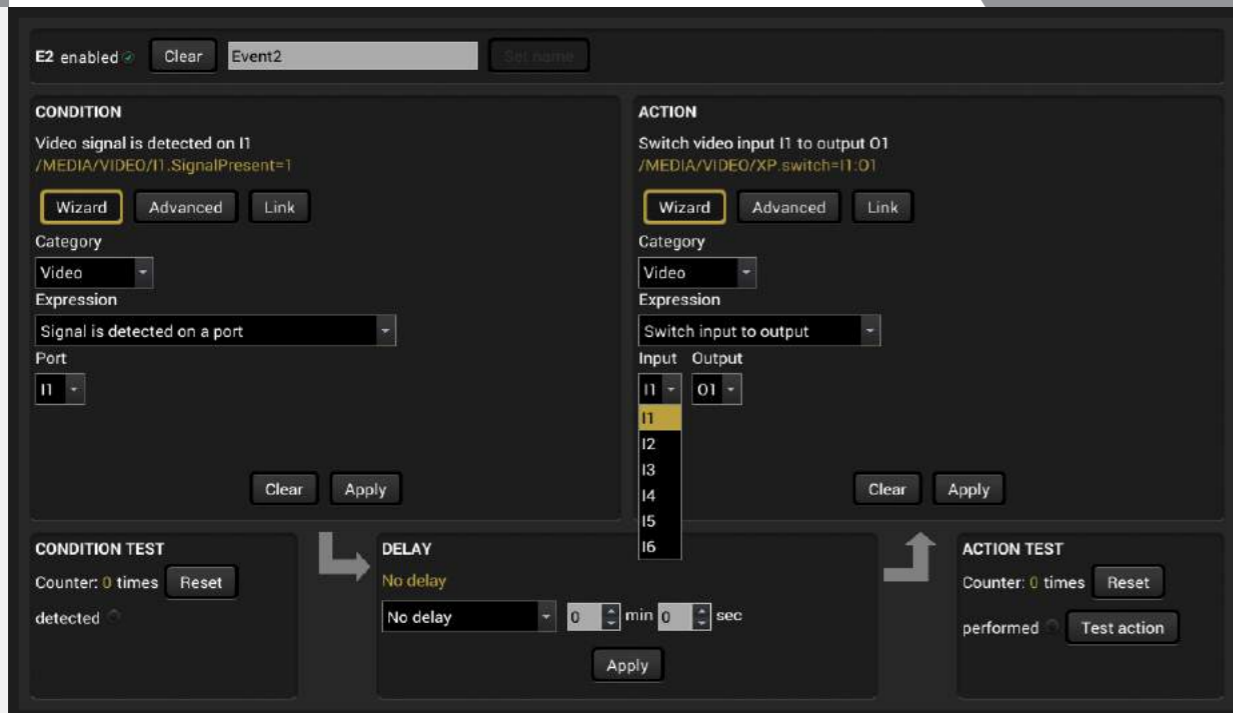


The Events menu contains separately configurable Events



There are many default Expressions available to choose from

The Event Wizard makes the setup easy with simple dropdown options



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

