



APPLICATION NOTE

SHOWSTORE TRIGGERS

Besides a trigger file made by the trigger editor program, a custom trigger file can be written in plain text and loaded into the showSTORE via usb. The file needs to be named trigger.txt and be in stored the root of the Showstore.

TRIGGER

The trigger is the event that will trigger one or more actions. A trigger can have arguments depending on the type of trigger. The trigger and arguments are separated by a semicolon and a space. (,)

```
trigger = poweron
```

CONDITION

The trigger can be followed by one or more conditions, these are statements which are tested. If true the actions will be executed, if not true the trigger will be ignored.

```
condition = date, "1", "1"
```

Conditions can be followed by one or more 'not conditions', these too are statements which are tested. If NOT true the actions will be executed, if TRUE the trigger will be ignored.

```
condition_not = date, "1 jan"
```

Conditions can have arguments depending on the type of condition. The condition and its arguments are separated by a semicolon and a space. (,)

ACTION

After the conditions, one or more Actions can be stated. An action can start with a playback number, if no number is given 1 will be assumed. Actions can have arguments depending on the Action. The playback number, action and arguments are separated by a semicolon and a space. (,)

```
action = 1, start, 1
```

TRIGGERS

Trigger name	Event	Arguments
poweron	on power up of the device	none
close	on closure of one off the GPI contacts	GPI no
open	on opening of one off the GPI contacts	GPI no
clock	on time / hourly	"HHhMM:SS" / "MM:SS"
midi_note_on*	on midi note on	midi note
midi_note_off*	on midi note off	midi note
midi_control*	on midi control change	control value
midi_program*	on midi program change	program value
dmx_on	on dmx value above 128	dmx channel
dmx_off	on dmx value below 128	dmx channel
ac612xl	on ac612 button press	1-12, up, down, out, store
control	on action control command	number

*ONLY available on showSTORE XLan NOT on showStoreGBX

CONDITIONS

Condition name	Checks	Arguments
closed	if one of the GPI contacts is closed	GPI no
open	if one of the GPI contacts is open	GPI no
weekday	if it is one or more days of the week	su, mo, tu, we, th, fr, sa
hour	if current time is in hour	hour
hour	if current time is in hour range	hour, hour
date	if current date is in date	"dd mmm"
date	if current date is in date range	"dd mmm", "dd mmm"
date	if current date is in month	"mmm"
date	if current date is day of month	"dd"
dmx_on	if dmx value above 128	dmx channel
dmx_off	if dmx value below 128	dmx channel
idle	if play state is NOT play or loop	playback
active	if play state is play or loop	playback
recording	if recording is active	none

ACTIONS

Action name	Action	Arguments
load	loads show in playback on standby	[playback], show
start	starts a show in a playback in one shot	[playback], show
loop	starts a show in a playback in loop	[playback], show
stop	stops a playback	[playback]
hold	sets a playback on hold	[playback]
restart	restarts a playback	[playback]
continue	resumes a playback	[playback]
serial_out	send serial command	"text", 1, 20, 0x01, 0xF1
control	trigger with control number	number
reboot	reboot device	

EXAMPLES

Below are some examples. It is possible to comment or name your triggers, conditions or actions by putting text on a separate line pre-labeled by // text following these characters will be ignored by the device

Example 1

Start the show 1 on playback one time every weekday at 08:00 except in June and July.

```
// weekdays at 08:00 except June and Jul.
trigger = clock, "8h0:0"
// weekdays
condition = weekday, mo, tu, we, th, fr
// except June and July
condition_not = date, "jun", "jul"
//start show 1 on playback 1
action = 1, start, 1
```

Example 2

Start show 2 in continuous loop on playback 2 on power on except when the button on GPI 1 is pressed during power up.

```
// on powerup
trigger = poweron
// when GPI 1 is not closed
condition_not = closed, 1
// start show 2 in playback 2 on continuous loop
action = 2, loop, 2
```

Example 3

Restart show on playback 4 and send rs232 message when button on GPI 4 is pressed during office hours

```
// when GPI 4 is closed
trigger = closed, 4
// between 08:00 and 17:00
condition_not = hour, 8, 17
// restart playback 4
action = 4, restart
// send serial message
action = serial_out, "hello ELC"
```