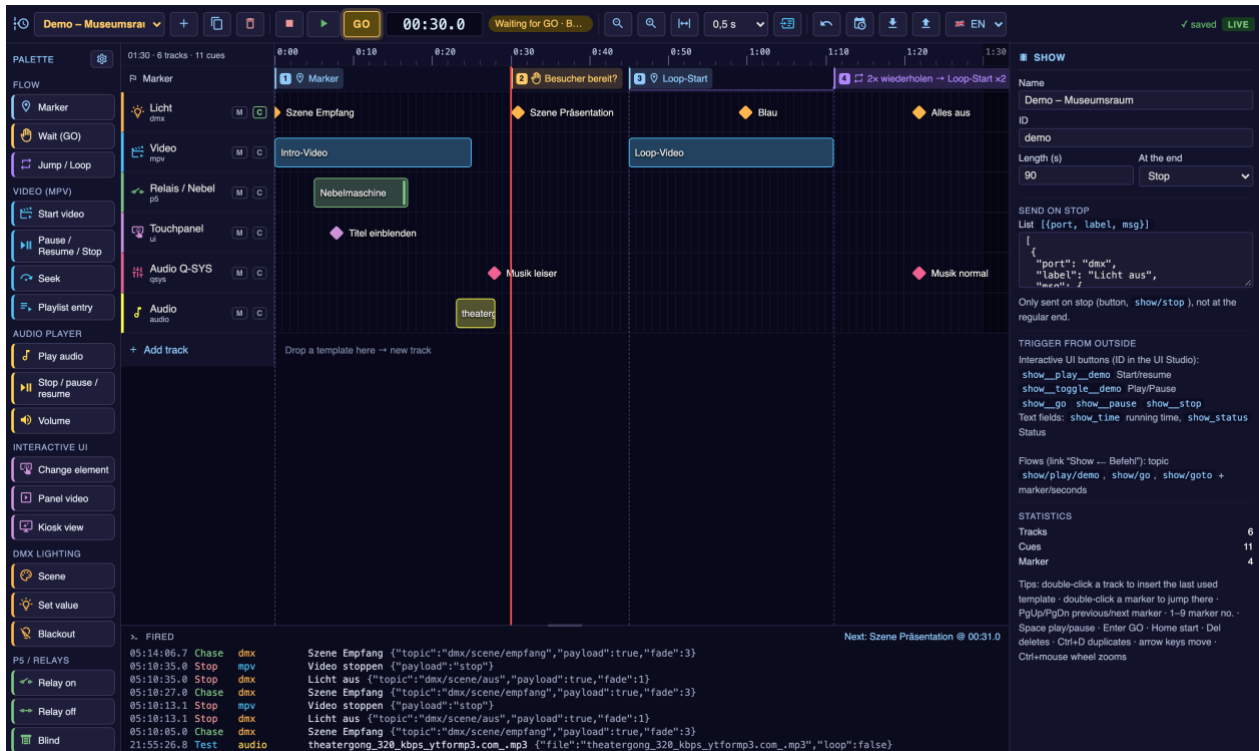


//nanoblue

nanoblue® Show Studio

Timed show control for museums, visitor centres and experience spaces – built right into the nanoblue ecosystem



Show Studio: palette on the left, timeline with tracks and markers in the centre, properties on the right, fired commands at the bottom.

What it is about

The Show Studio turns a nanoblue player into a show controller. Actions for lighting, video, relays, audio, projectors, power distribution and the touch panel interface are placed on a timeline. During playback the player fires each action at its set time – from the first lighting change to switching off the haze machine. The principle is familiar from classic show controllers; the Show Studio brings it to the nanoblue devices in a lean way, without additional hardware.

The show runs locally on the device. A lost internet connection does not stop it. Editing is done in the browser – on site in the local network or remotely via the nanoblue portal.

Key features

Timeline with tracks and cues

- **Tracks per device or discipline** – e.g. lighting, video, relays, touch panel, audio.
- **Cues by drag and drop**: drag them from the palette onto a track, move them, stretch them, duplicate them.
- **Cues with duration**: action at the start, counter-action at the end – e.g. haze machine on for 12 seconds, then off automatically.

- **Grid and zoom** for precise placement – down to a hundredth of a second, from short effects to long shows.
- **Test button per cue:** try out single actions immediately without starting the show.

Theatre-style show flow

- **Wait markers (GO):** the show pauses and waits until a guide, a push button or a touch panel gives “GO”.
- **Jumps and loops:** repeat sections as often as needed or let them run endlessly.
- **End of show:** stop, start over or hold at the end.
- **Stop actions:** on abort, e.g. switch the light off and stop the video – the room is immediately back in a clean state.
- **Chase:** when jumping within the show, the lighting or relay track automatically restores the correct state.

Templates for the nanobblue world

Around 25 ready-made templates address the existing nanobblue drivers directly:

Area	Templates
DMX lighting	Recall scene, set value (dimmer, colour, colour temperature), blackout – each with fade
Video (mpv)	Start video (also as a loop), pause/resume/stop, seek to a position, playlist entry
Audio player	Play audio file (once or endlessly, with volume, optional stop at the end of the cue), stop/pause/resume, volume
P5 / relays	Relay on/off, blind to position, DALI groups
Interactive UI	Texts, visibility and states of touch panel elements, panel videos, switch kiosk view
Audio systems	Q-SYS controls (with ramp), Yamaha MTX presets, Bettear Auracast
Power / image	Gude power outlets, Panasonic projectors, PlexusAV AV-over-IP routing
General	HTTP request, MQTT, free message to any flow in the nanobblue Editor

- **Custom templates without programming:** save commands you need again and again as a template. Placeholders such as `{{kana1:1}}` automatically become input fields.
- **Palette per device:** hide templates that are not needed – each player shows only what it actually controls. Palettes can be exported and transferred to other devices.

Triggering – from anywhere

- **In the Show Studio:** play, pause, stop, GO – plus keyboard shortcuts.
- **From the touch panel:** buttons in UI Studio start shows, give GO or stop; running time and status appear on the panel.
- **From push buttons and sensors:** PuKK push buttons, NFC points, the Vision Sensor or any other flow can start shows or give GO.
- **On a schedule:** start or stop shows at fixed times on selected weekdays – even without the editor open.

Editor convenience

- **Live editing:** changes are saved automatically and taken over by a running show immediately – without interruption.
- **Jump to markers** by double-click, with Page Up/Page Down or the number keys 1–9 – ideal for rehearsals.
- **Log** of all fired commands with timestamp and content, freely resizable in height.
- **Undo, import/export** of shows as files, switchable between **German and English**.
- **Simulation:** without a device, the Show Studio runs in the browser and shows which commands it would send.

Technology at a glance

- Engine as a flow in the nanoblue Editor on the player with a 10 ms cycle – cues are fired with an accuracy of about a hundredth of a second.
- Shows, palette and schedule are stored permanently on the device and survive restarts and updates.
- Videos are controlled directly via the mpv interface, all other devices via the existing nanoblue driver flows.
- Access locally in the network or via the nanoblue portal (button “Show Studio” on the device page).
- Deliberately lean: no media server, no lighting console – the Show Studio is the control system that orchestrates the existing devices.

Typical applications

- Museum rooms and exhibitions with staged lighting, sound and video.
- Visitor centres with guided shows: the guide gives GO via a touch panel or a push button.
- Showrooms and experience spaces with an endless loop during the day and automatic start and stop according to opening hours.
- Presentations and events with fixed sequences that should run the same way every time.