

PROmapr® micro

Manual

English

Version 3.8.0

From firmware version 380_PROmapr®

Version date_23/02/2026



Basic Functions

Setup, creating projects,
Mapping Board, calendar functions, PJlink

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This manual gives you a quick, practical introduction to your PROmapr® and its powerful software. Clearly structured, user-friendly and straight to the point.

The PROmapr® micro is based on the powerful AMLOGIC X96 Series platform: compact in format, big in performance.

However, the PROmapr® is more than a standard media player. It is a project-based content player that offers functions that conventional linear systems cannot provide.

All your projects are stored directly on the inserted microSD card or a USB storage device. Changing the storage medium? Usually not necessary. Simply save, manage and get started.

Each project can contain multiple action areas (layers). videos, images or animated GIFs can be played flexibly on each layer.

This allows you to map intuitively with your PROmapr® and a projector — quickly, precisely and without complicated additional software.

Depending on the application, simultaneous output of multiple layers is even possible.

With the integrated calendar, you control your projects precisely by time. content starts automatically — exactly when you want it to.

For operation, all you need is a computer or tablet with a display resolution of at least 1920 × 1080 pixels and on up-to-date web browser (recommended: Google Chrome or Firefox).

To help you work quickly in everyday use, we have deliberately avoided overloaded labels. Many functions are shown clearly and intuitively using icons.

A complete overview of all icons and their functions can be found from page [12 / 3.0](#) onward.

Various symbols are used in this user manual. They are intended to simplify explanations.
The following symbols are used in this manual.



Warning! This symbol indicates information which, if ignored due to improper handling, may lead to injury or even death.



Caution! This symbol indicates information which, if ignored due to improper handling, may lead to injury or property damage.



Mouse click (PC, Mac), single tap (tablet)



Our quick tips provide additional assistance for convenient operation.

SCOPE OF DELIVERY

- PROMapr®
- Plug-in power supply with cable
- HDMI cable
- Infrared remote control
- User manual on the device (also available as a download)
- Packaging

REQUIRED ACCESSORIES

- MicroSD memory card
- Projector, screen or similar output device
- 2x AAA 1.5 V batteries for infrared remote control

OPTIONAL ACCESSORIES

- USB flash drive
- USB power adapter cable
- USB keyboard and mouse (e.g. Logitech K400)

ACCESSORIES REQUIRED FOR OPERATION

- computer or tablet with Wi-Fi and web browser (Google Chrome or Firefox)



AC POWER ADAPTER

There is a risk of electric shock, fire or burns if a power adapter other than the one supplied with the device is used. Suitable only for indoor use and dry environments.

The device may only be repaired by an authorized technician.

Do not open the housing! The adapter is intended for use only at temperatures between 0°C and 35°C forwardgesehen. Only connect to a properly wired and grounded power outlet.

input voltage: 100V – 240V AC 0,3A max.

output voltage: 5V, 2A, 10W.

TEMPERATURE

This device (PROmapr® media player) is intended for use at ambient temperatures between -10°C and +40°C. Use or storage near heat sources, in direct sunlight or in environments with temperatures outside the specified range must be avoided!

MEDICAL

The device may cause interference with certain pacemakers, hearing aids or other medical devices.

To reduce risk, keep a distance of 20 cm between the device and the medical device.

For more information, refer to the instructions for the medical device.

MODIFICATIONS

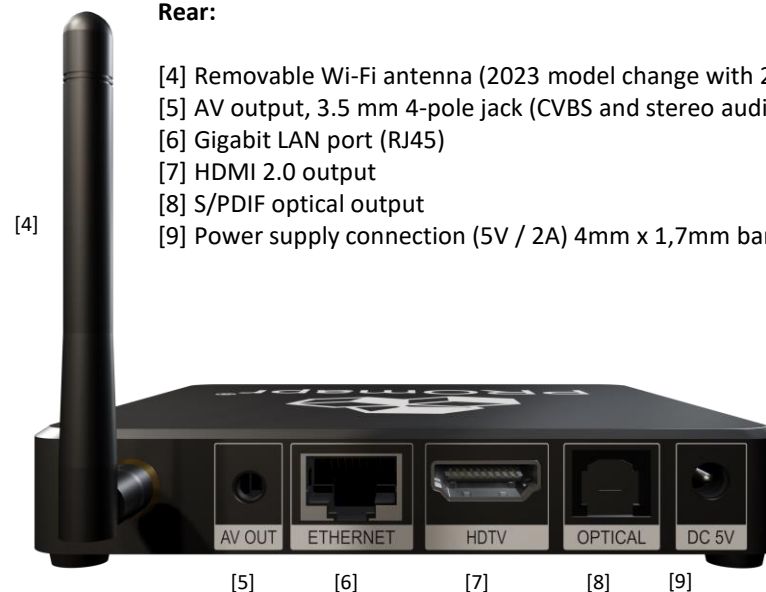
Any modification of the wireless solution, cooling solution, device components or housing violates compliance regulations and may create hazards. Furthermore, any modification of the device voids all warranty and guarantee claims.

Front:

- [1] Status LED
- [2] 7-segment time display
- [3] Status indicators for network, Wi-Fi, playback status, USB

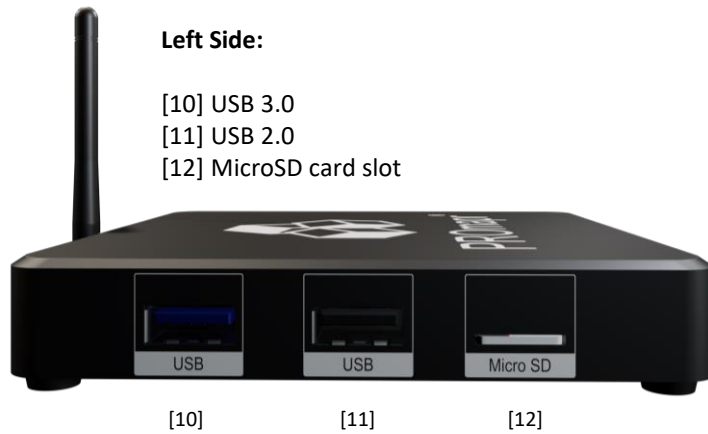
**Rear:**

- [4] Removable Wi-Fi antenna (2023 model change with 2 antennas)
- [5] AV output, 3.5 mm 4-pole jack (CVBS and stereo audio)
- [6] Gigabit LAN port (RJ45)
- [7] HDMI 2.0 output
- [8] S/PDIF optical output
- [9] Power supply connection (5V / 2A) 4mm x 1,7mm barrel plug

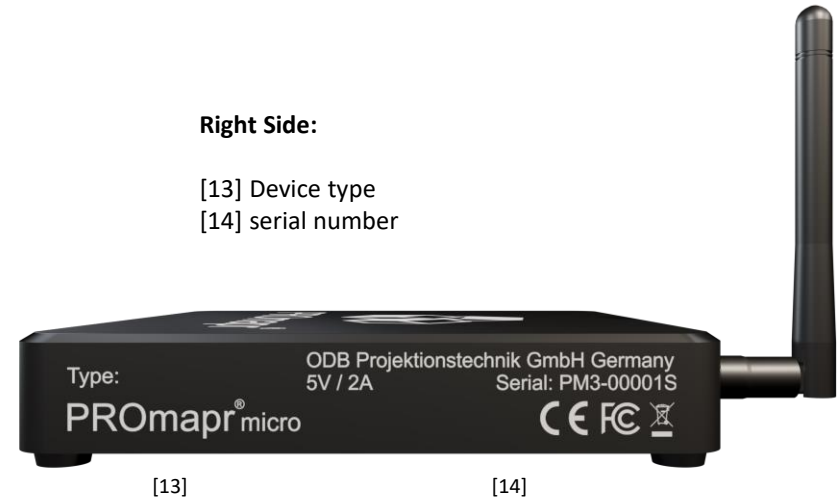


Left Side:

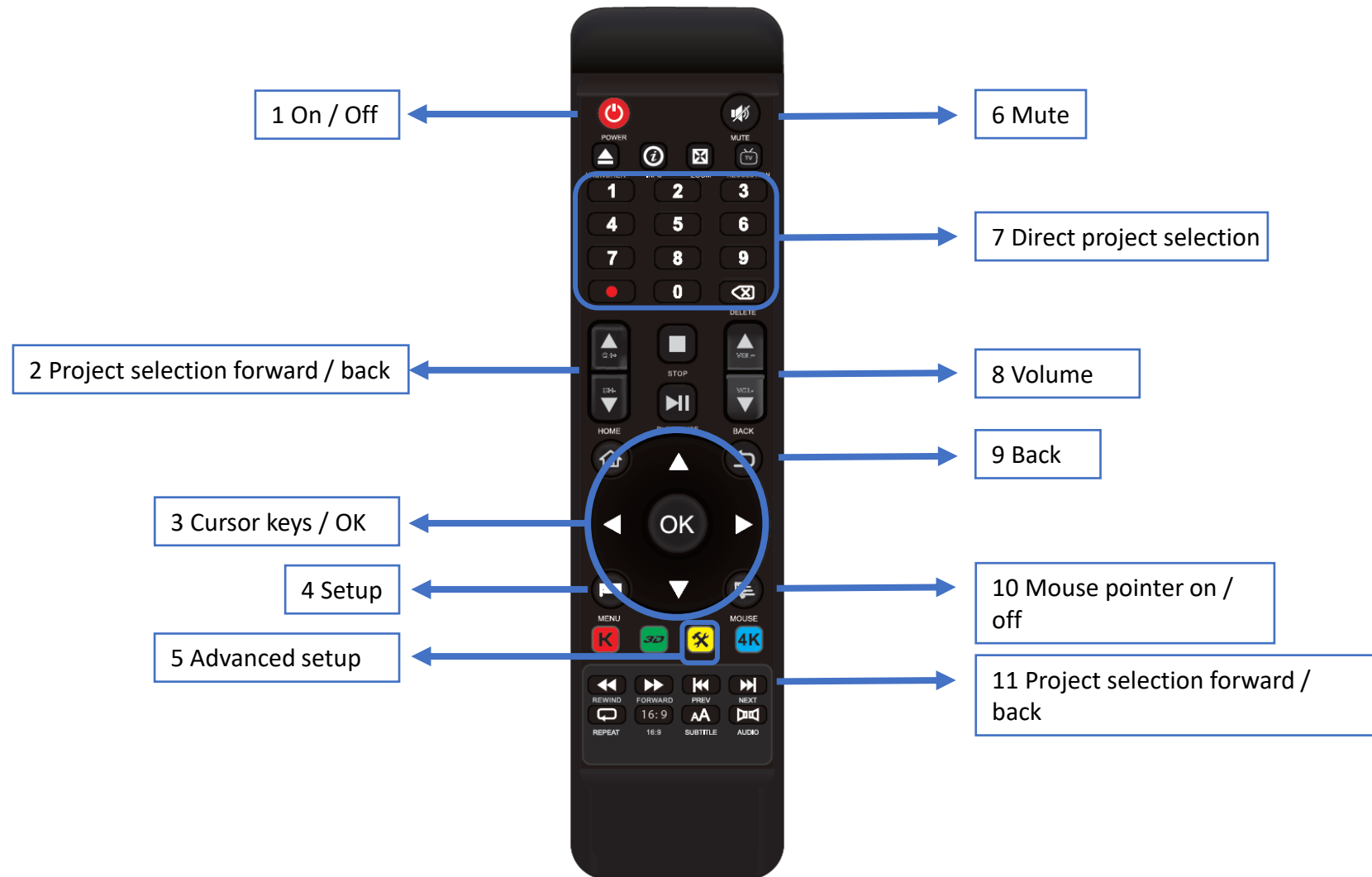
- [10] USB 3.0
- [11] USB 2.0
- [12] MicroSD card slot

**Right Side:**

- [13] Device type
- [14] serial number



Remote Control



2.0.7 Internal technical specifications

CPU AMLOGIC S9053x3

GPU MaLi Series

Operating system	Android
------------------	---------

Internal program memory	16 GB
-------------------------	-------

2.0.8 Operating limits

4-point keystone video	3 x 1080p in parallel*
------------------------	------------------------

4-point keystone picture 16 x 1080p in parallel*

Number of layers	Unlimited**
------------------	-------------

Number of projects	Unlimited**
--------------------	-------------

Number of calendar entries	Unlimited**
----------------------------	-------------

2.0.9 Remote control via web browser***

PC, Mac or tablet PC with LAN or Wi-Fi (initial setup via Wi-Fi, mouse + keyboard)

Web browser: Google Chrome, Mozilla Firefox, Windows Edge (Google Chrome or Firefox recommended)

Resolution: min. 1920px x 1080px or higher.

*These operating limits indicate the maximum number of videos and/or images that can be displayed in parallel in one project while the device still operates stably. However, these values do not guarantee stability in every individual case. Many parameters such as data compression, bitrate, frame rates, etc. must always be taken into account.

To make navigation and working with the PROmapr® easier, we have consistently avoided cumbersome labels. Simple icons guide you. An overview of all symbols used can be found on the following pages. Some symbols are used more than once. The exact meaning of the symbols and their use is explained in more detail on the pages for the corresponding PROmapr® functions.

Internal navigation icons



Projects (Projects) This icon opens the Projects Page (main page).



Settings (Settings) This icon opens the system settings



PROmapr® Network This icon opens the network list. All PROmapr® units connected to the network are displayed here.



Projector / PJLink This icon opens the PJLink editor.



file browser/Folder (filebrowser/folder) This icon opens the file browser or a file path.



Cuelist.



Artneteditor



Network (Network) This icon opens the network settings in the Systemeinstellungen.



AV-Settings (AV-Settings) This icon opens the display and sound settings in the Systemeinstellungen.



Date & Time (Date & Time) This icon opens the date and time settings in the Systemeinstellungen.



Service This icon opens the service settings in the Systemeinstellungen.



Help (Help) This icon opens the help page in the Systemeinstellungen.

icons / functions marked with * are currently not available.

File icons



New/Add Areas: project list, calendar, Mapping Board.



New folder Areas: file browser.



Add media Areas: Mapping Board.



Delete/Remove Areas: project list, calendar, Mapping Board, file browser



Edit Areas: project list, calendar



Rename Areas: project list



Copy Areas: project list, Mapping Board



Save Areas: Mapping Board, layer list

Icons / Functions marked with * are currently not available.

Tools and icons on the left in the Mapping Board



Switch Art-Net on/off*



Switch layer playlist/cuelist on/off*



Back to project list (main page)



Create new layer



Add media to selected layer



Copy selected layer



Delete selected layer



layer list (opens the layer list)



Play/pause all layers



Open selected layer in mask editor



Save project

Tools and icons at the bottom of the Mapping Board



Fullscreen



Scale uniformly*



Scale horizontally/vertically*



redate*



redate by 90 degrees



Vertical flip



Horizontal flip



Layer single mode*



Crosshair*



keypoint selection*



Cursor / Point left



Cursor / Point up



Cursor / Point down



Cursor / Point right

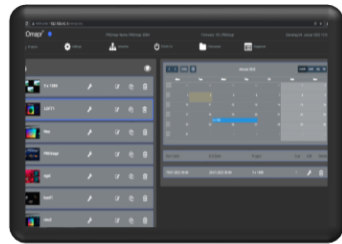
icons / functions marked with * are latching and can be switched on and off.

Tools and icons in the Layer Editor

	Move layer (levels)
	Locked
	Unlocked
	Layer visible (AV-Mute)
	Layer not visible (AV-Mute)
	Reset DMX / filter settings
	Save settings

Tools and icons in the Layer Playlist Editor

	Create new layer item
	Add media to selected layer item
	Move layer item (playback order)
	Delete layer item
	Save layer playlist

TabletW-LAN,
hotspotLAN, W-LAN,
hotspot

PC, notebook, etc.

videosignal
HDMI-cable**Projector**

Display, monitor, etc.



Example setup: PROmapr® with projector
and 5 projection surfaces
on 3 decorative cubes.
Operation via tablet.

Storage Drive

The PROmapr® requires a suitable storage medium for operation. The MicroSD card slot or USB ports are available for this purpose.



MicroSD or USB storage up to 256 GB (FAT32, NTFS, exFAT)

We recommend using the SD card as the storage medium, leaving the USB port free, e.g. for file uploads.

To start using your PROmapr® immediately, it must be connected to the desired output device (e.g. monitor/projector) using an HDMI cable.

The MicroSD card / USB storage device is treated by the PROmapr® like a hard drive. Therefore, it should be selected accordingly and be suitable for continuous operation.

We therefore recommend only branded storage media with high write-cycle endurance.

No-name storage media or very inexpensive storage devices can quickly lead to data loss during regular write operations.

For trouble-free operation, the card/stick should be formatted before first use. The MicroSD card/USB storage device should be inserted before switching on.

We recommend creating three file folders on the MicroSD card / USB storage device immediately after formatting.

- Video
- Pictures
- GIF

The file folders will later help you sort your content before first use with the PROmapr®. This recommendation is based on our experience in daily use.

You can create and delete folders later at any time in the Settings menu [SD Memory] / [USB Memory].

To set up your PROmapr® for the first time, use a computer or tablet with the specified requirements.

For the initial setup, connect to your PROmapr® via Wi-Fi and the PROmapr® hotspot.

Follow the next steps for your initial setup



SD cards and USB storage devices are sensitive. Electrostatic discharge can damage them. Data loss may result. Please always handle them with care.

First Start

When the PROmapr® is connected to an available power supply using the supplied plug-in power supply, it starts automatically.

After startup, connect your PROmapr® and your remote-control device. (PC or Mac recommended for initial setup)

Your PROmapr® automatically creates a hotspot with the following identifier:

SSID: HelloPROmapr_XXXX (the XXXX stands for the current serial number of the PROmapr®; you can change the SSID later in Settings. [Network/hotspot])

Pass: PROmaprHotspotKey (For security, change the password later in Settings.) [Network/hotspot]

Connect your PROmapr® and your remote-control device by entering the password shown above.

Once the connection is established, open the web browser. (Firefox or Chrome on PC and Mac; Firefox on tablets)

The IP address of the PROmapr® is 192.168.43.1 Enter it in the address bar of your browser.

This IP address is fixed for remote control via hotspot and cannot be changed.

When operating via LAN or Wi-Fi, the IP addresses can be selected freely.

They can later be set in the PROmapr® Settings menu [Network].

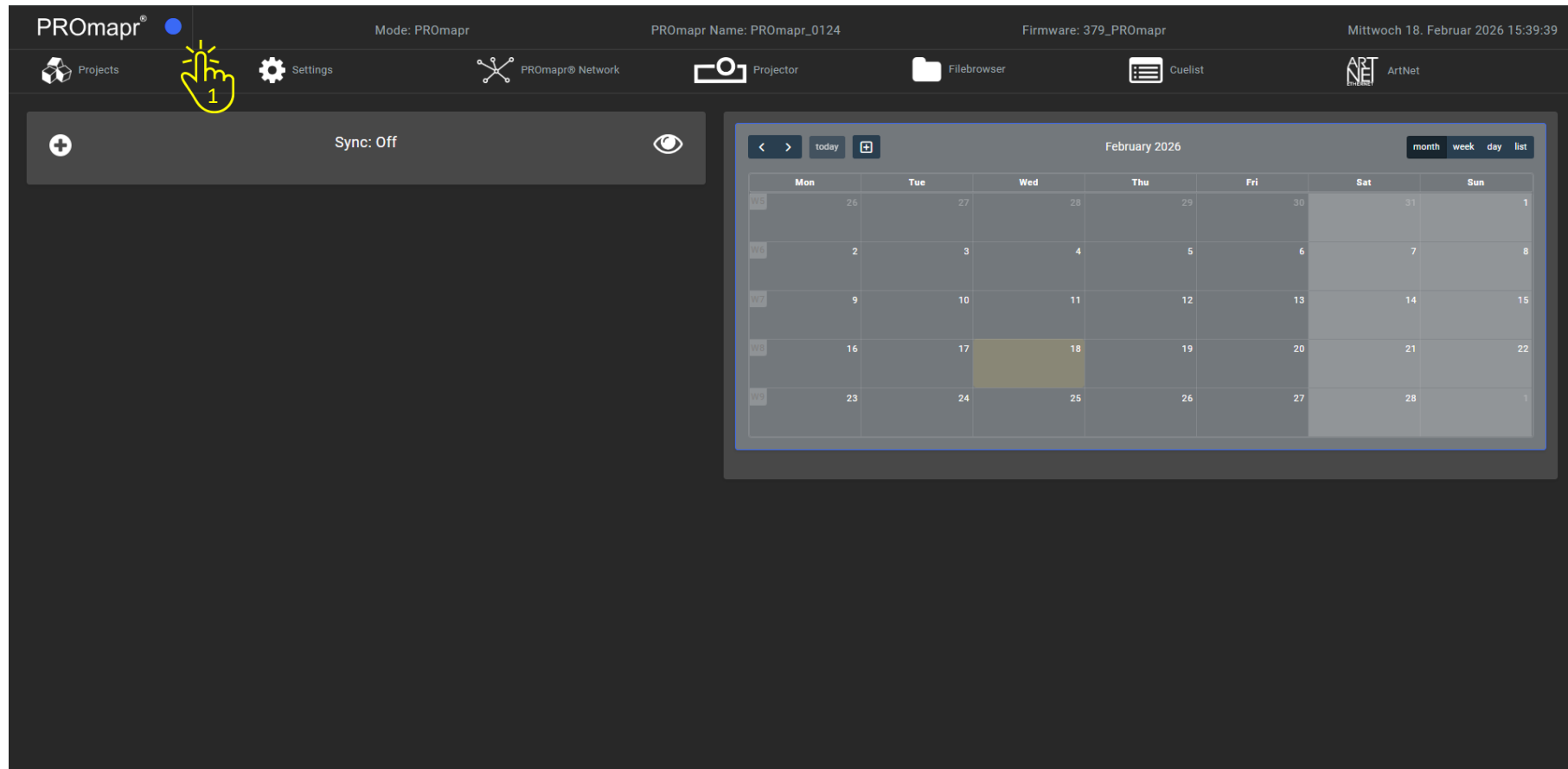
Once your web browser is connected to the PROmapr®, you start on the Projects Page.

The Projects Page gives you an overview of your projects, the calendar and access to all other settings.

When working with the PROmapr® via the web browser, always keep it in fullscreen mode. This is the only way to access the full range of functions.

A reduced browser window may cause unwanted image effects in the output and some toolbars may not be displayed.

**For navigation while working with the PROmapr®, please use only the navigation keys and buttons on the PROmapr® interface.
Do not use the browser's own back and forward navigation!**



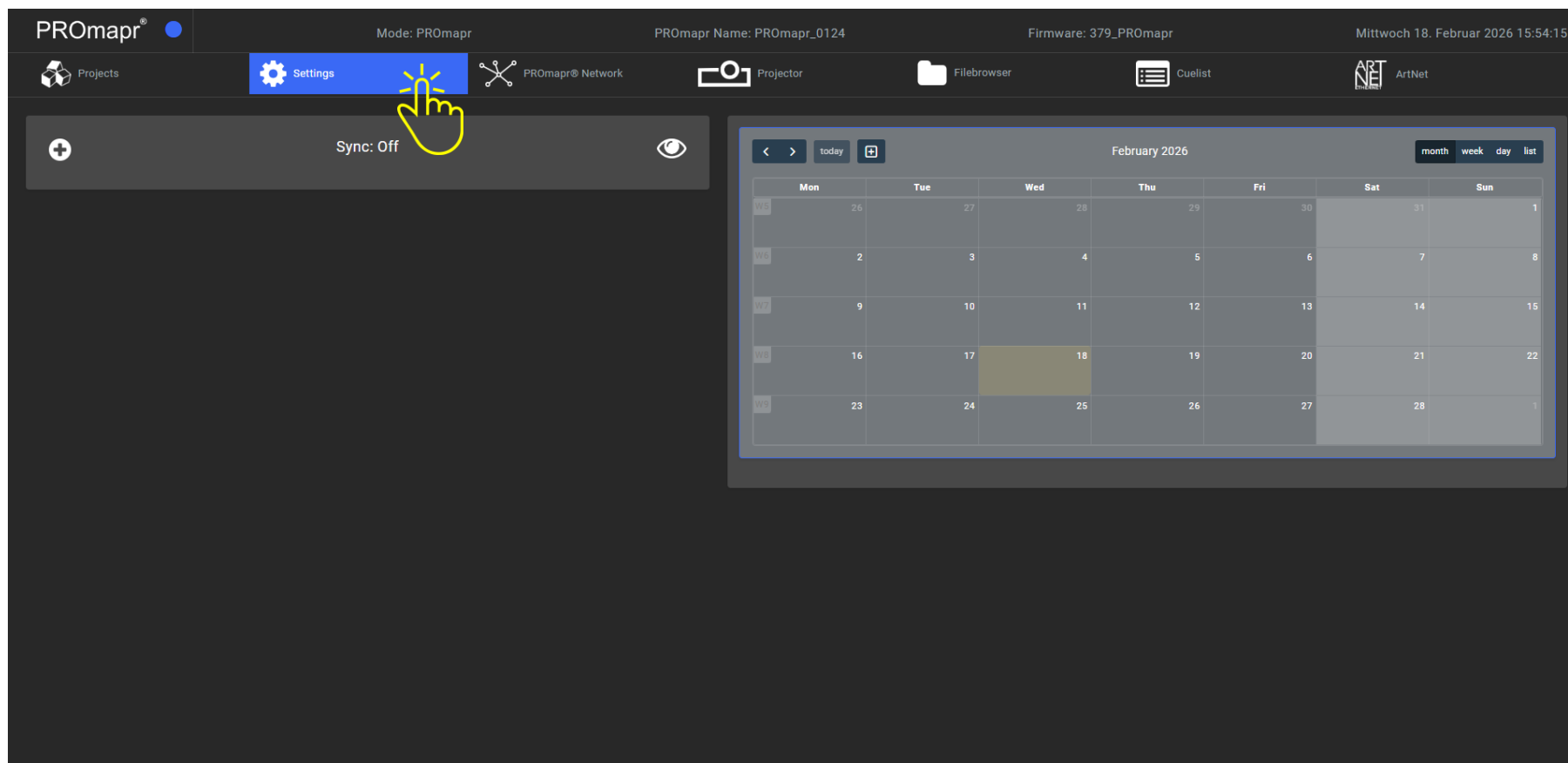
This is the **Projects Page**, the main page of the PROmapr®. From here, you always have an overview of your saved projects and your calendar-based projects, and from here you can access all further settings.

The PROmapr® uses various protocols to securely establish the connection to your computer or tablet.

Depending on the operating system or web browser used, the connection may occasionally be interrupted.

You can recognize this by the **Web Sync indicator** [1]. If the indicator is **BLUE**, you do not need to do anything else. The PROmapr® is synchronized and working properly.

If the indicator is **RED**, the connection is asynchronous. To synchronize the connection, click once directly on the indicator with the mouse (or tap it with your finger on a tablet). After a few moments, the indicator should turn **BLUE**. Each time you reconnect to your PROmapr®, make sure that it is synchronized. Only when the PROmapr® is synchronized with your computer or tablet can you use all functions. The Web Sync indicator is available on all PROmapr® menu pages.



Before you really get started, take a look at the brief overview of the general settings under **[Settings]** on the next pages.

The screenshot displays the 'Network' settings page for the PROmapr micro device. The top navigation bar includes 'Projects', 'Network' (selected), 'A/V Settings', 'Date & Time', 'SD Memory', 'USB Memory', 'Service', and 'Help'. The status bar at the top shows 'Mode: PROmapr', 'PROmapr Name: PROmapr_0124', 'Firmware: 379_PROmapr', and the date/time 'Wednesday 18. February 2026 15:41:11'.

Wired LAN (RJ45 Cable Jack)

- Mode: **STATIC**
- IP Address: 192.168.178.101
- Subnet mask: 255.255.255.0
- Gateway: 192.168.178.1
- DNS: fd36:7b75:5d77:0::
- UDP Port: 4950

Wireless LAN (ext. Antenna)

- Mode: **OFF**
- WLAN Type: **WPA2**
- WLAN SSID: PROmapr
- WLAN Key: *****
- Mode: **DHCP**
- IP Address: 192.168.43.1
- Subnet mask: 255.255.255.0
- Gateway: 192.168.178.1
- DNS: fd36:7b75:5d77:0::
- UDP Port: 4950

Hotspot (ext. Antenna)

- Mode: **ON**
- Hotspot SSID: HelloPROmapr_0124
- Hotspot KEY: *****
- Hotspot IP Address: 192.168.43.1

FTP access SD memory

- Username: PROmaprSD
- Password: *****

FTP access USB memory

- Username: PROmaprUSB
- Password: *****

At the bottom, there are two buttons: 'Apply setup' and 'Create CFPSetup.txt'.

The following setting categories are available in **[Settings]**:

Network settings **[Network]** (this page), audio & video settings **[A/V Settings]**, date and time settings **[Date & Time]**, SD memory settings **[SD Memory]**, USB memory settings **[USB Memory]**, service settings [Service], help page **[Help]**.

On all pages, you can choose between English and German as the operating language. **[1]**

PROmapr® Mode: PROmapr PROmapr Name: PROmapr_0124 Firmware: 379_PROmapr Wednesday 18. February 2026 15:41:11

Projects Network A/V Settings Date & Time SD Memory USB Memory Service Help

Wired LAN (RJ45 Cable Jack)

[1] **STATIC** IP Address: 192.168.178.101 Subnet mask: 255.255.255.0 Gateway: 192.168.178.1 DNS: fd36:7b75:5d77:0::3 UDP Port: 4950

Wireless LAN (ext. Antenna)

[2] **OFF** WLAN Type: WPA2 WLAN SSID: PROmapr WLAN Key: *****

[3] **DHCP** Mode IP Address: 192.168.43.1 Subnet mask: 255.255.255.0 Gateway: 192.168.178.1 DNS: fd36:7b75:5d77:0::3 UDP Port: 4950

Hotspot (ext. Antenna)

[4] **ON** Hotspot SSID: HelloPROmapr_0124 Hotspot KEY: ***** Hotspot IP Address: 192.168.43.1

FTP access SD memory Username: PROmaprSD Password: *****

FTP access USB memory Username: PROmaprUSB Password: *****

[6] **Apply setup** **Create CFPSetup.txt**

[1] Wired network settings: DHCP / Static – IP address – subnet mask – gateway – DNS – UDP port

[2] Wi-Fi settings: Wi-Fi On/Off – Wi-Fi-Typ – Wi-Fi SSID – Wi-Fi Key

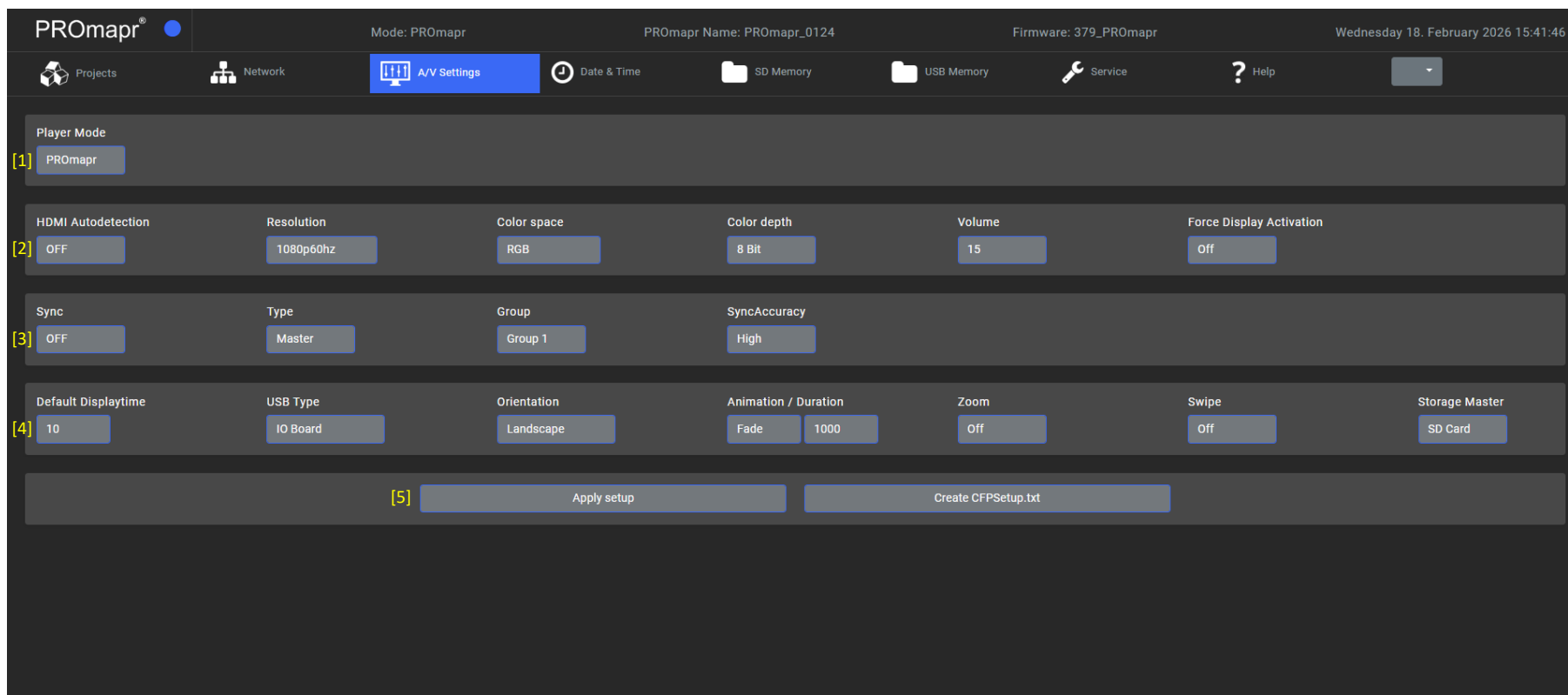
[3] Wi-Fi network settings: Modus DHCP/Static – IP address – subnet mask – gateway – DNS – UDP port

[4] Wi-Fi hotspot settings: hotspot On/Off – hotspot SSID – hotspot Key – hotspot IP Adresse (fixed forwardgegeben)

[5] FTP access settings for SD and USB, each with username / password

[6] Settings must be saved with Apply Setup [Apply Setup].

! Settings for Wi-Fi and hotspot are only applied after saving and a subsequent reboot [Service].



- [1] Player mode: You can choose between Mapping mode (PROmapr) and Media Player mode. PROmapr® mode is preset at the factory.
- [2] Audio & video output settings: HDMI Auto On / Off – resolution – color space – color depth – volume
- [3] Synchronization: Sync On/Off - Master / Slave - Group 1-10 - Accuracy High/Med/Low
- [4] Additional image and accessory settings: Display time, USB accessories, rotation, animation time, zoom, swipe, storage master
- [5] Settings must be saved with Apply Setup [Apply Setup].

PROmapr®

Mode: PROmapr PROmapr Name: PROmapr_0124 Firmware: 379_PROmapr Wednesday 18. February 2026 16:09:40

Projects Network A/V Settings **Date & Time** SD Memory USB Memory Service Help

Date DD.MM.YYYY Time Timezone

[1] 18.2.2026 16:9:35 CET Datum und Uhrzeit setzen

Set time automatically NTP time server

[2] ON 0.de.pool.ntp.org NTP Serverzeit jetzt setzen

[3] Apply setup Create CFPSetup.txt

[1] Date & time settings: Date – time – time zone – set date and time

[2] NTP settings: NTP on / off – NTP time server – set NTP server time

[3] Settings must be saved with Apply Setup [Apply Setup].

SD file browser direct access

[1] File selection for file to upload, [2] Direct upload to SD root, [3] Direct upload to USB root, [4] Load SD TOC (table of contents)

[5] Restart FTP connection, [6] SD card overview, [7] USB storage overview

[8] upload to the previously selected/opened folder [9] Create new folder



Files and folders can only be deleted here in this area [Settings / SD Memory] or [Settings / USB Memory] deleted.

PROmapr® Mode: PROmapr PROmapr Name: PROmapr_0124 Firmware: 379_PROmapr Wednesday 18. February 2026 15:46:09

Projects Network A/V Settings Date & Time SD Memory **USB Memory** Service ? Help

[1] Select File for Upload

[2] Upload to SD

[3] Upload to USB

[4] Resync USB

[5] Restart FTP Server

[6] SD Card 29.71 GB
Used 681.44 MB Free 29.05 GB
SD Root

[7] USB 0 GB
Used 0 GB Free 0 GB
USB Root

/USB/ [8] Upload here [9] Create new folder

No USB device!

USB file browser direct access

[1] File selection for file to upload, [2] Direct upload to SD root, [3] Direct upload to USB root, [4] Load USB TOC (table of contents)

[5] Restart FTP connection, [6] SD card overview, [7] USB storage overview

[8] upload to the previously selected/opened folder [9] Create new folder



Files and folders can only be deleted here in this area [Settings / USB Memory] deleted.

The screenshot shows the PROmapr® Service menu with the following options and buttons:

Option	Button
PROmapr Name	Apply
Save setup to SD	Save setup file
PROmapr hardware reboot	Reboot
PROmapr software restart	FW restart
Restart FTP server	FTP Restart
PROmapr firmware data reset	Reset
Reset to factory default	Reset
Debug Log	Apply

[1] Individual name / designation of the PROmapr®

[2] Create setup file and save it to SD card

[3] PROmapr® hardware reboot

[4] PROmapr® software reboot

[5] FTP access server restart

[6] Reset firmware data.

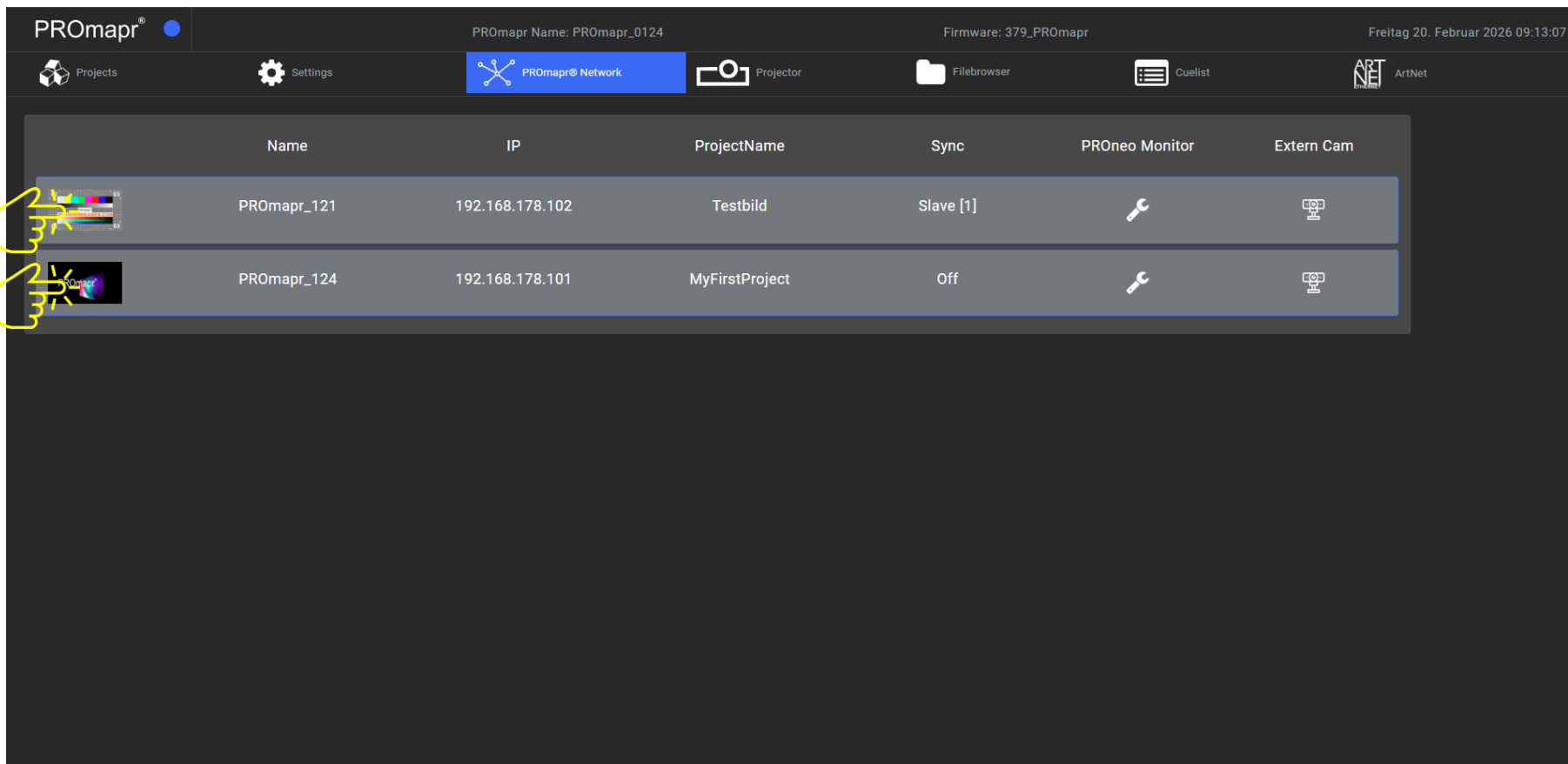
[7] Reset PROmapr® to factory settings [8] Debug log service setting for creating log files

The screenshot shows the PROmapr micro web interface. At the top, there is a header bar with the PROmapr logo, a blue status indicator, and several status items: Mode: PROmapr, PROmapr Name: PROmapr_0124, Firmware: 379_PROmapr, and the date/time: Mittwoch 18. Februar 2026 15:47:00. Below the header is a navigation bar with icons for Projects, Network, A/V Settings, Date & Time, SD Memory, USB Memory, Service, and Help (which is highlighted in blue). The main content area is divided into two sections. The first section, labeled [1], contains a link to the 'Manual in english' and a button labeled 'PROmapr.pdf'. The second section, labeled [2], is titled 'Keyboard Shortcuts' and includes the text 'While a keyboard is connected to the PROmapr'. It contains a table of shortcuts:

Ctrl+F1 / Ctrl+E	Auto HDMI detection On/Off (Status Off)
Ctrl+F2 / Ctrl+F	Set resolution to 1920x1080p60
Ctrl+F3 / Ctrl+U	Set resolution to 3840x2160p60
Ctrl+F4 / Ctrl+D	DHCP On/Off (Status Off)
Ctrl+F5 / Ctrl+S	Switch between playback and setup screen
Ctrl+F12 / Ctrl+R	Hold 5 seconds for a factory reset

[1] Open PROmapr® user manual (opens the user manual in a new tab in the browser window). NOT CURRENT !

[2] Keyboard Shortcuts (with a keyboard connected to a free USB port)



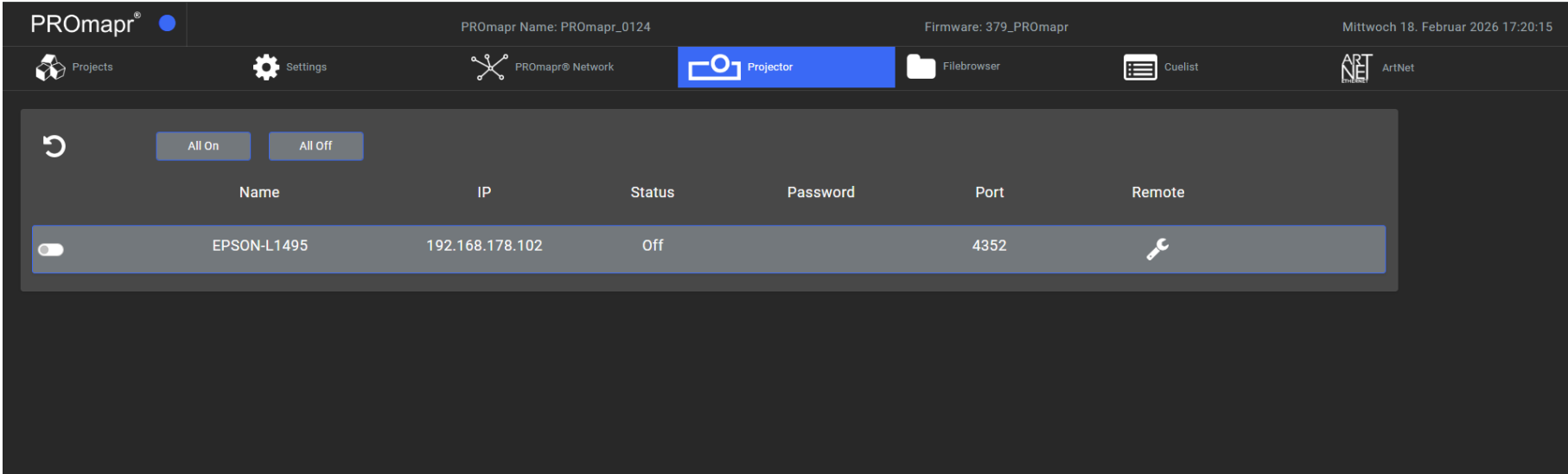
The screenshot shows the PROmapr Network interface. At the top, there is a header bar with the PROmapr logo, a blue dot, and the text "PROmapr Name: PROmapr_0124". To the right, it says "Firmware: 379_PROmapr" and "Freitag 20. Februar 2026 09:13:07". Below the header is a navigation bar with icons for Projects, Settings, PROmapr Network (highlighted in blue), Projector, Filebrowser, Cuelist, and ArtNet. The main content area displays a table with the following columns: Name, IP, ProjectName, Sync, PROneo Monitor, and Extern Cam. Two units are listed in the table, each with a small preview image on the left. Yellow arrows point to these preview images.

Name	IP	ProjectName	Sync	PROneo Monitor	Extern Cam
 PROmapr_121	192.168.178.102	Testbild	Slave [1]		
 PROmapr_124	192.168.178.101	MyFirstProject	Off		

The [PROmapr Network] tab shows all PROmapr® units in the network and their respective status. This is helpful if you have many PROmapr® units in the network and want to switch quickly between devices.

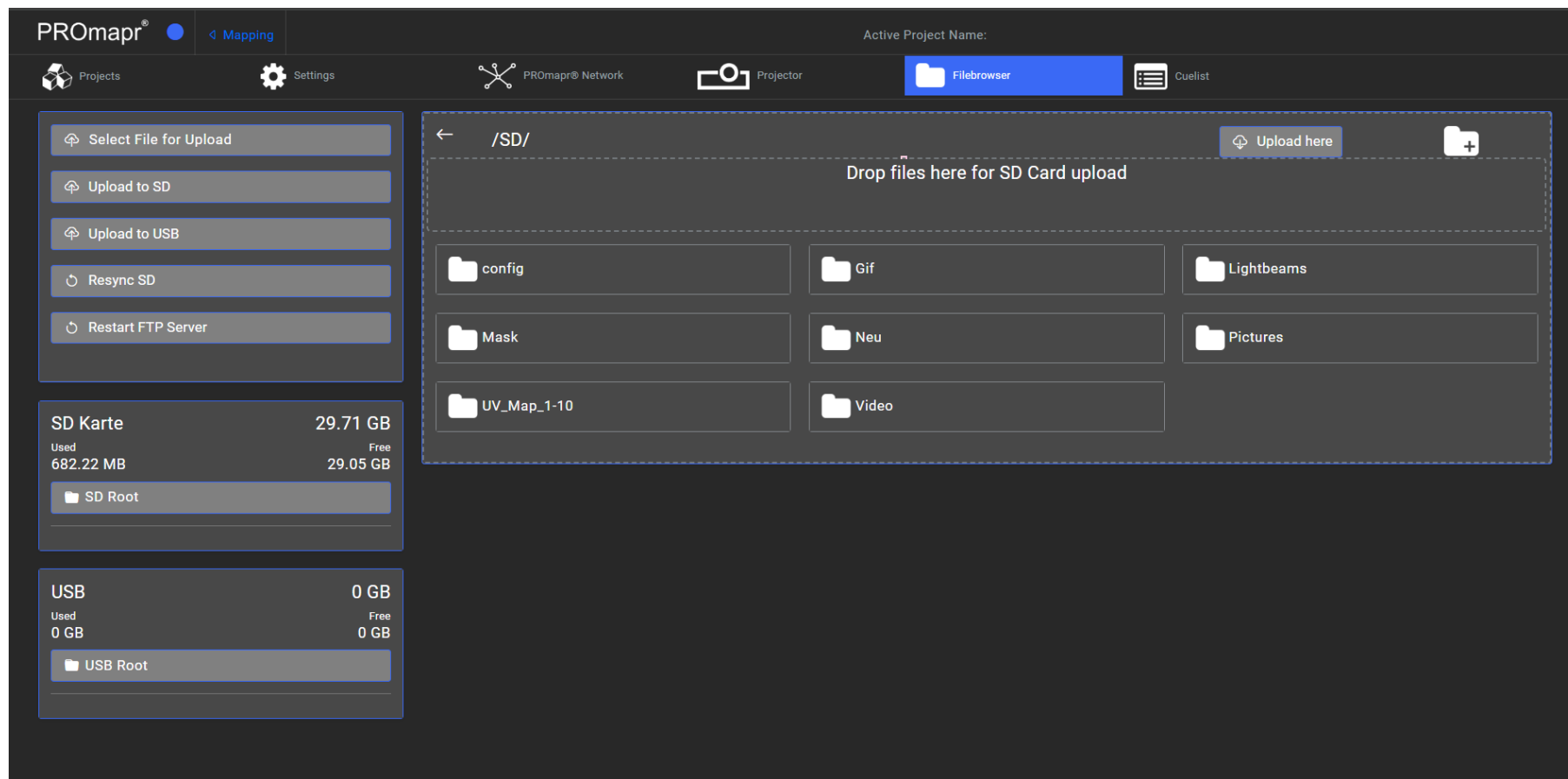
For all PROmapr® units, you will find information such as IP address, active project, sync status, etc.

By clicking the corresponding preview image, you can switch between the different PROmapr® units.



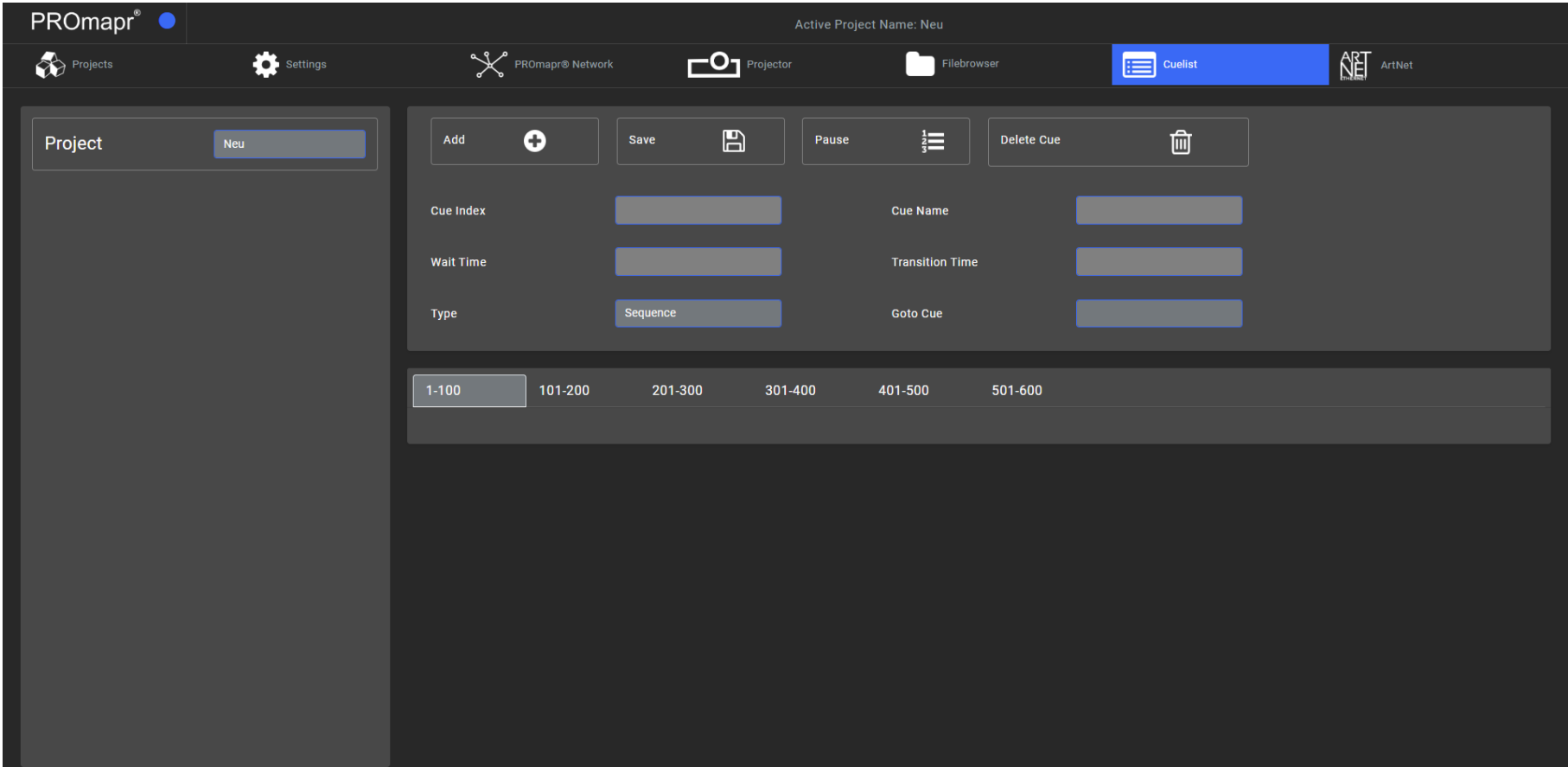
The [PROjector] tab shows all displays and projectors linked to the PROmapr®.

The link is implemented via PJLink. Please refer to the Set up PJLink section. From page 71.

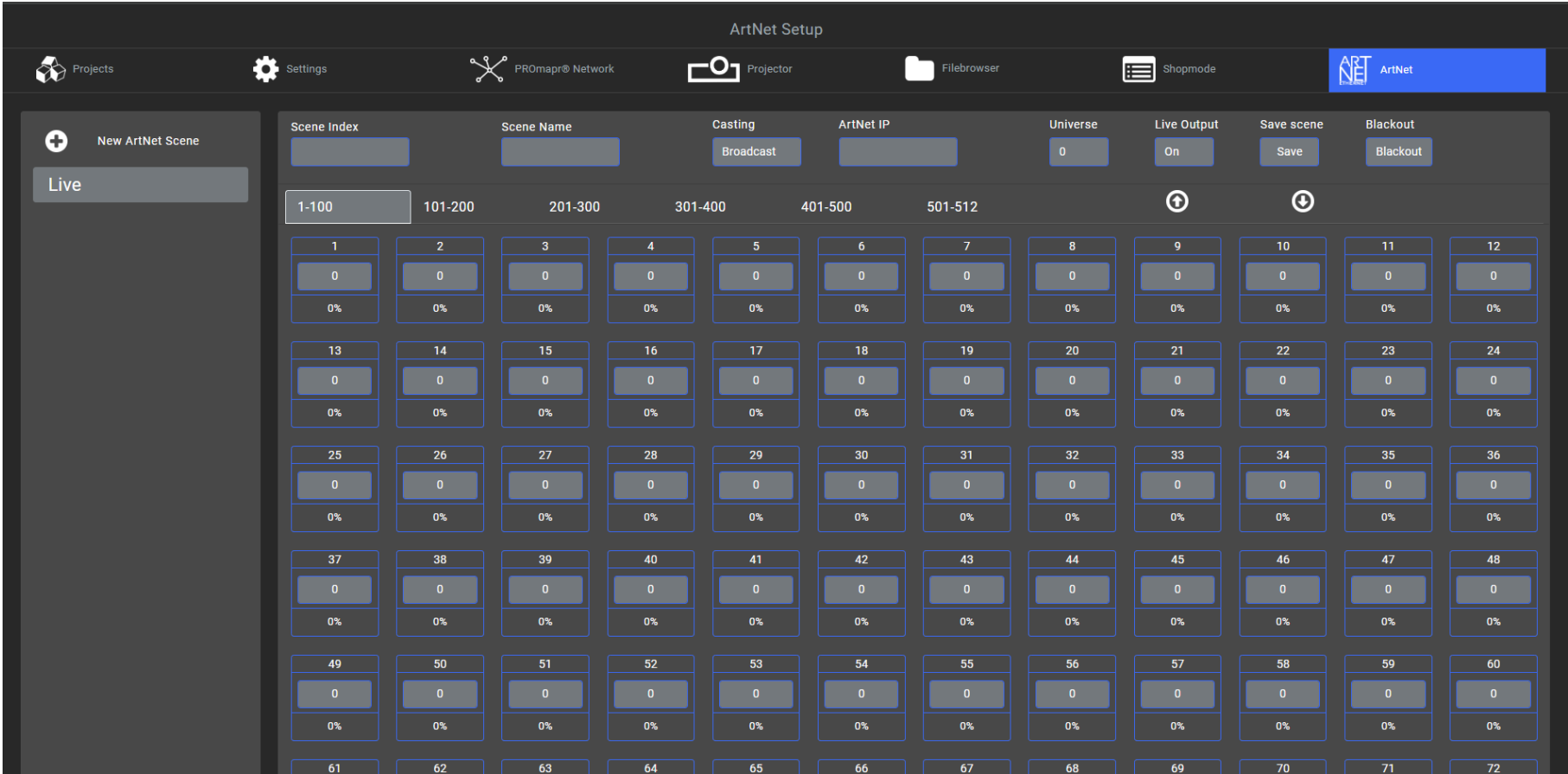


The [Filebrowser] tab shows all data available on the PROmapr® and the SD / USB devices.

In this area, you can only upload files.



The [Cuelist] tab shows the edited cuelists. A detailed description is provided from page 73.

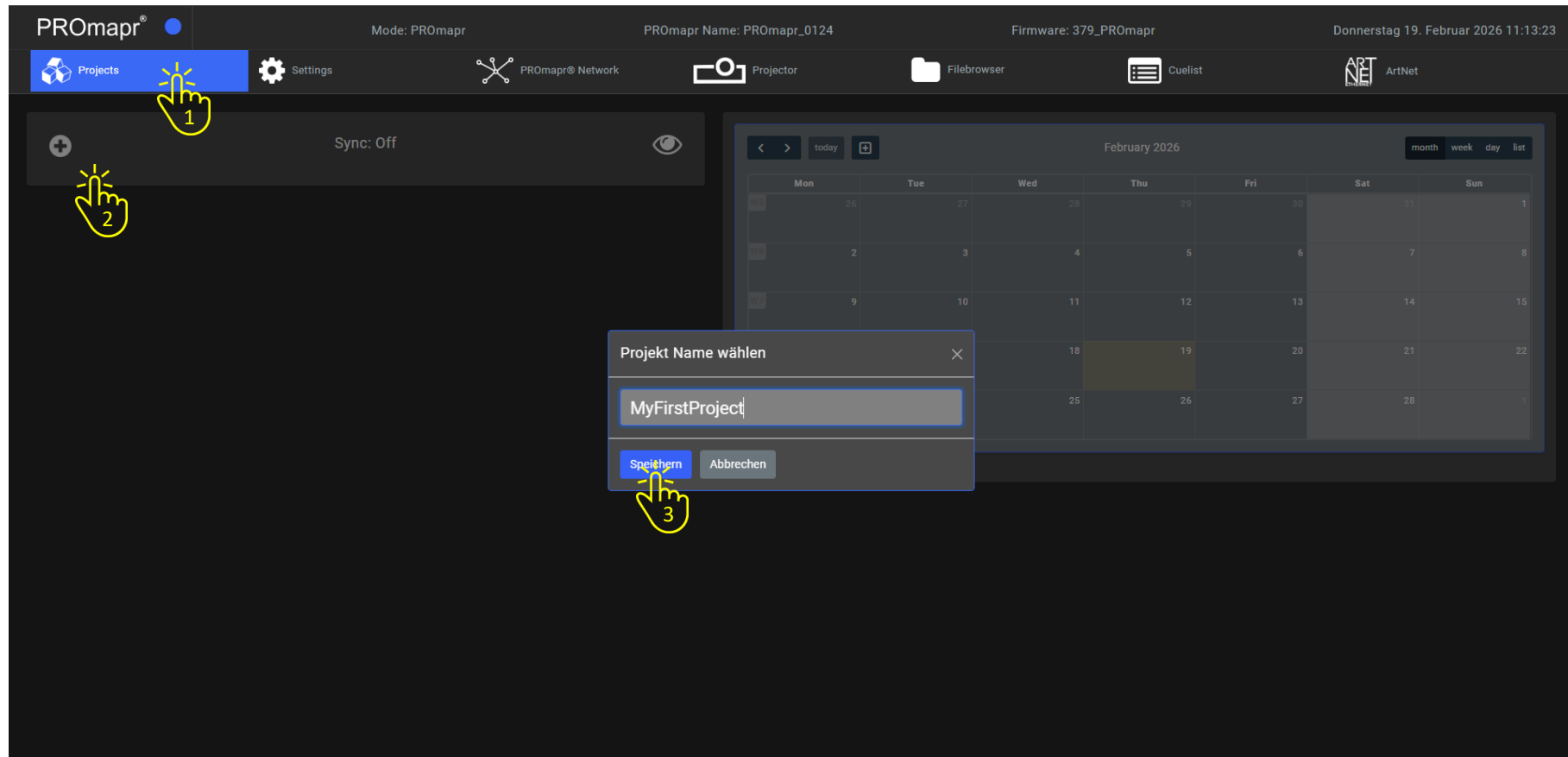


The [Art-Net] tab shows the currently transmitted Art-Net channels. A detailed description is provided in the Advanced Manual.

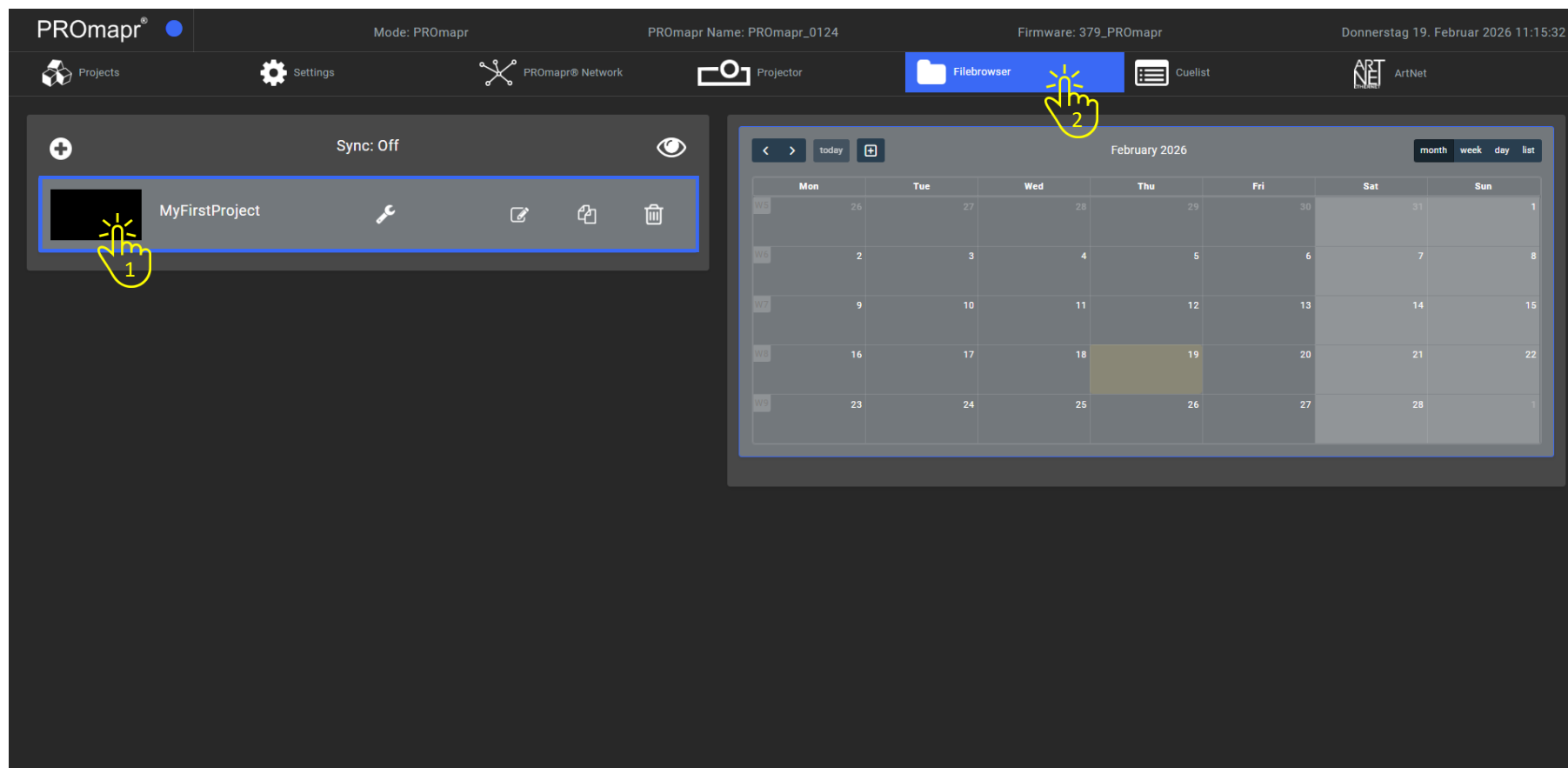
Create and manage projects

On the following pages, you will see how projects are created and organized with the PROMapr®.

1. Create project
2. Load content into the project folder
3. Edit layer



For your first project, go to the Projects Page. [1]
Then click the + at the top left of the Project List. [2]
Another dialog opens where you can enter the name of your new project.
Note: Project names must not contain spaces!
Then save [3]. Done! Your first project has been created.



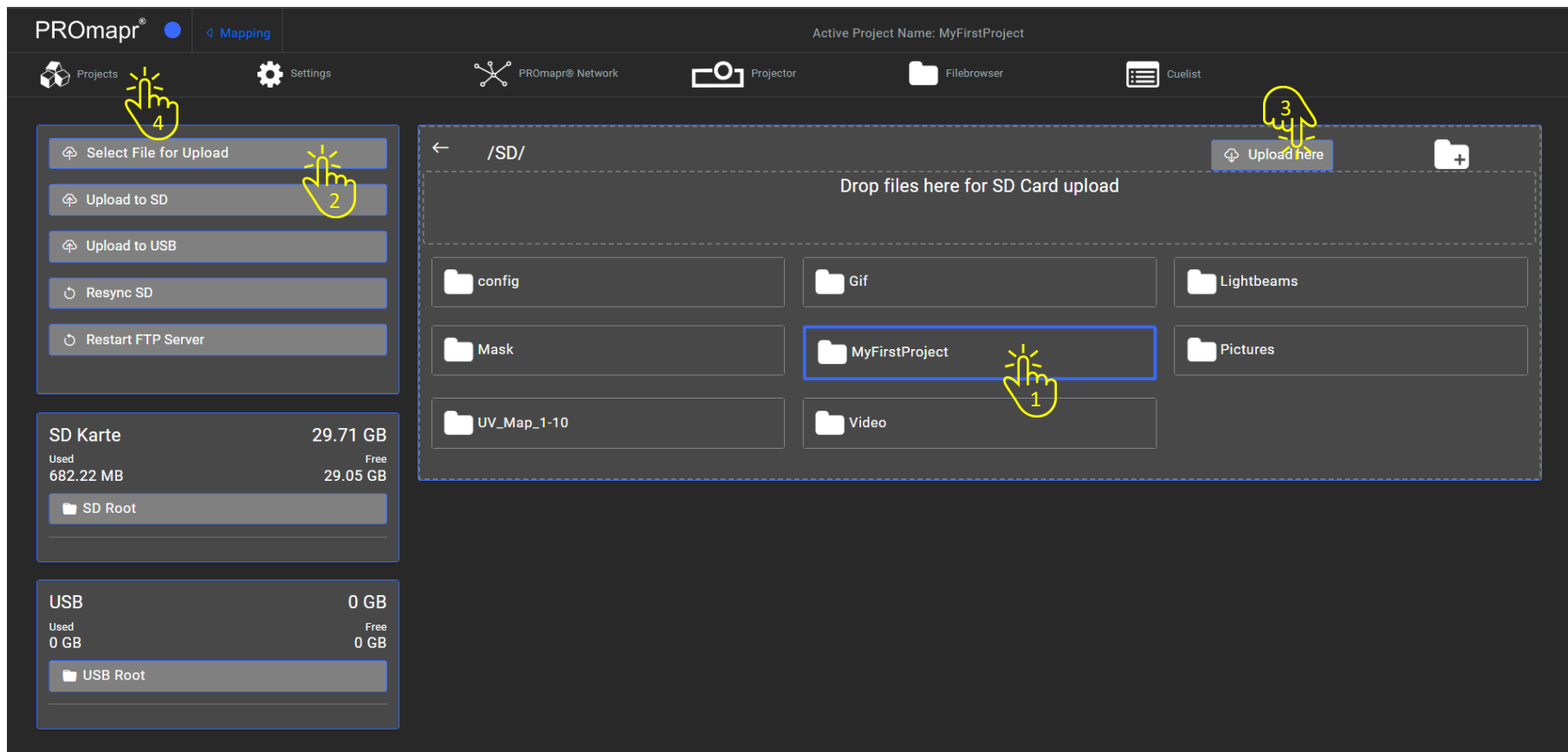
Activate your first project.

Click [1] the preview image in the project list (black area) to activate your project.* When a project is active, the project list entry is highlighted with a blue border. Your project needs content such as videos, images or animated GIFs.

You load these into your PROmapr® via the file browser.

Click [2] the file browser to organize your files for your new project there directly.

*During the initial setup of the PROmapr®, the Settings screen is usually shown on the display/projector output. When activating the first project, it switches to the project output.



The PROmapr® creates a separate project folder for each new project. For an active project, this is highlighted in **BLUE**.

Open the folder **[1]** to prepare it for file upload. Then use 'Select File for upload' to open **[2]** the file browser of your remote-control PC, Mac or tablet. Select a file (video, image or GIF) that you want to load into the project folder. Then upload the file using 'upload here' **[3]** directly into the selected project folder. Repeat steps **[2]** and **[3]** until you have loaded all files for your first project into the project folder. Then go back to the Projects Page **[4]**.

INFO: For automatic file transfer, file sizes of up to 2 GB are supported. Larger files can be uploaded at any time via USB or FTP.



Just as you can load files directly into your project folder, you can also load files into other folders. This allows you to organize frequently used files in previously created folders. Z.B. three main folders for videos, Pictures and GIF help you stay organized.

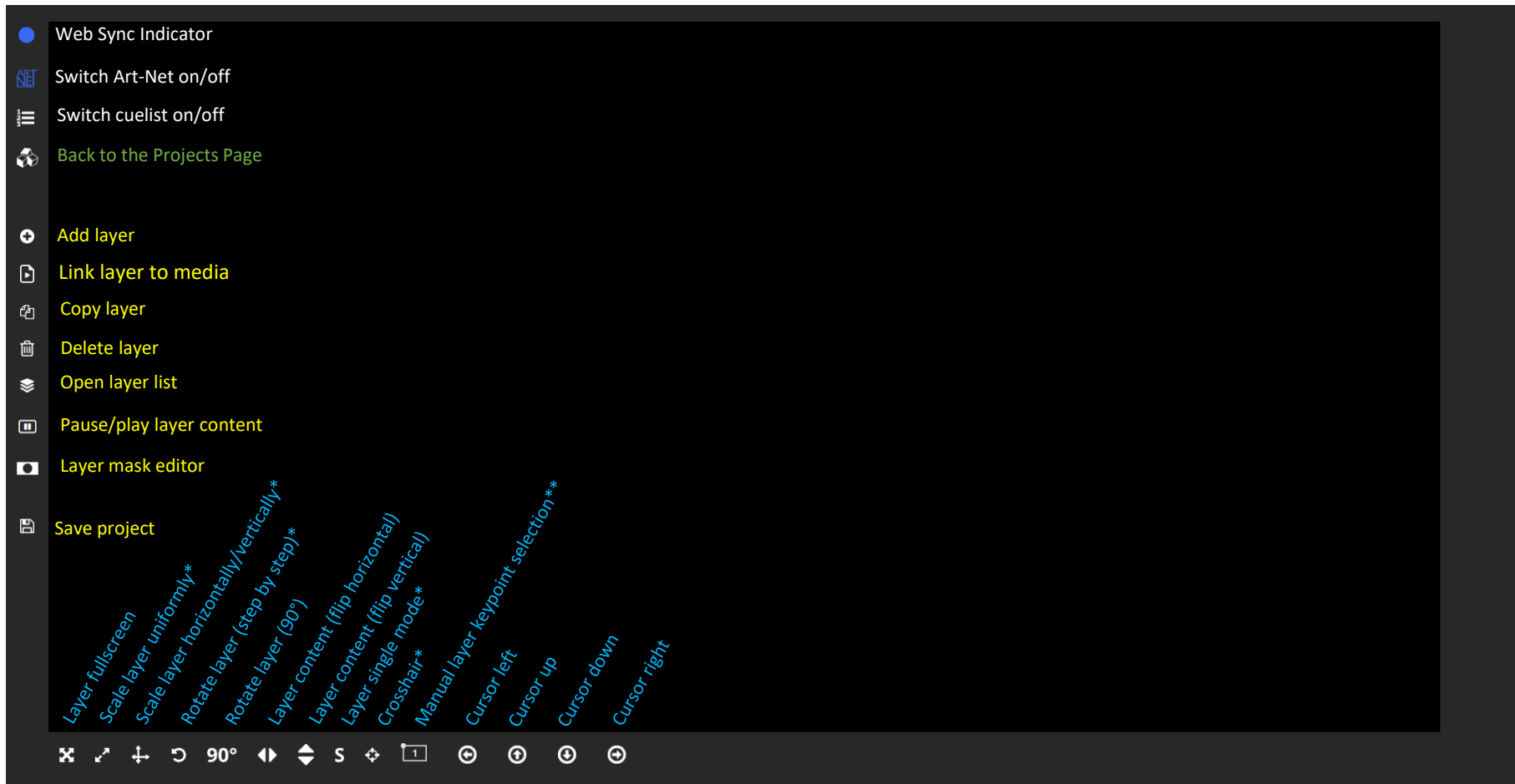
You can also drop files directly into the dashed area using drag and drop. They will then be loaded directly into the relevant folder.

The screenshot shows the PROmapr micro web interface. The top navigation bar includes the PROmapr logo, a status bar with 'Mode: PROmapr', 'PROmapr Name: PROmapr_0124', 'Firmware: 379_PROmapr', and the date 'Donnerstag 19. Februar 2026 11:20:24'. Below this is a main menu with icons for 'Projects', 'Settings', 'PROmapr® Network', 'Projector', 'Filebrowser', 'Cuelist', and 'ArtNet'. The 'Projects' section on the left shows a list of projects, with 'MyFirstProject' highlighted. A yellow hand cursor with the number '1' points to the edit icon (wrench) next to 'MyFirstProject'. The right panel displays a calendar for February 2026, with the 19th highlighted.

After you have organized all files for your first project, you can start editing the project.
To do this, click the edit icon in your project entry [1]. This takes you directly to the Mapping Board.



You can also rename  your project in the project list at any time, copy  and delete  it .



Welcome to the Mapping Board. This is where you edit all your projects. The black area corresponds to the output of your display or projector.

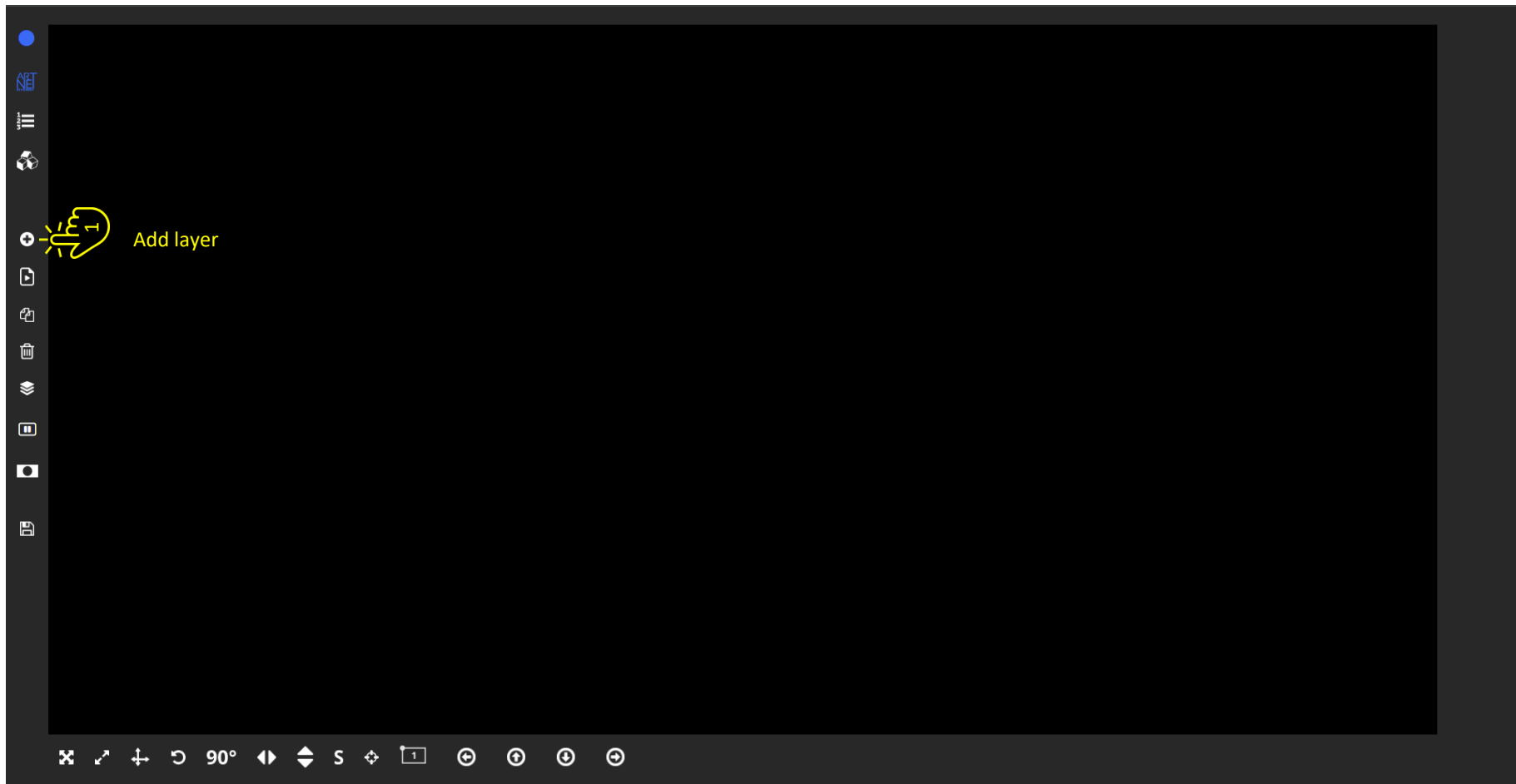
Note: The Mapping Board area does not necessarily have the same aspect ratio as your output on the display/projector.

To give you an overview of the functions, they are briefly described here.

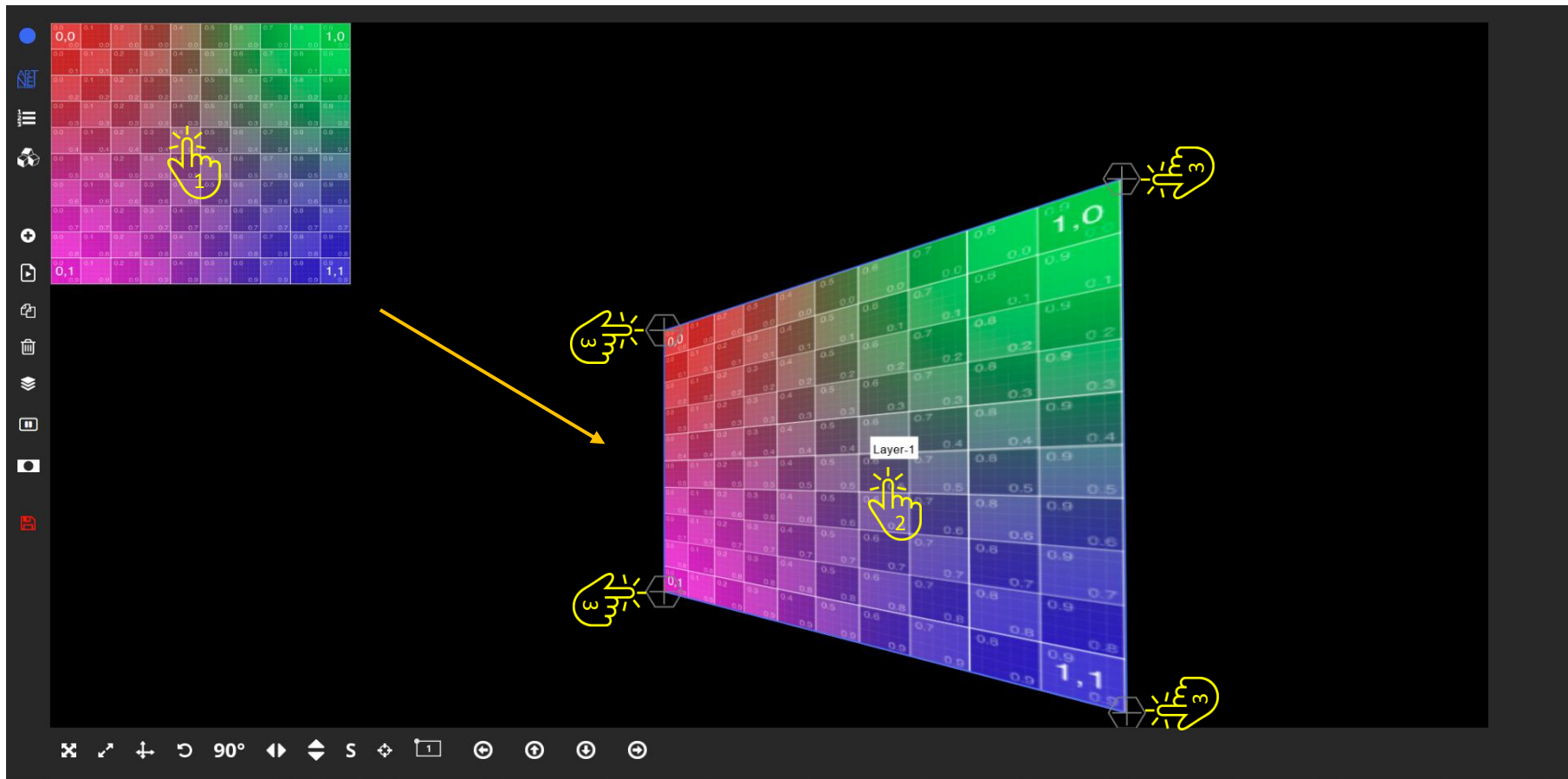
A detailed description of all Mapping Board functions can be found from page: [48 / 6.0](#)

Green = navigation **Yellow** = layer file functions **Blue** = layer manipulation

*This function is latching and can be switched on and off. **This function has multiple levels.



Let's start with the first layer. Click on the [1] to  create a new layer.



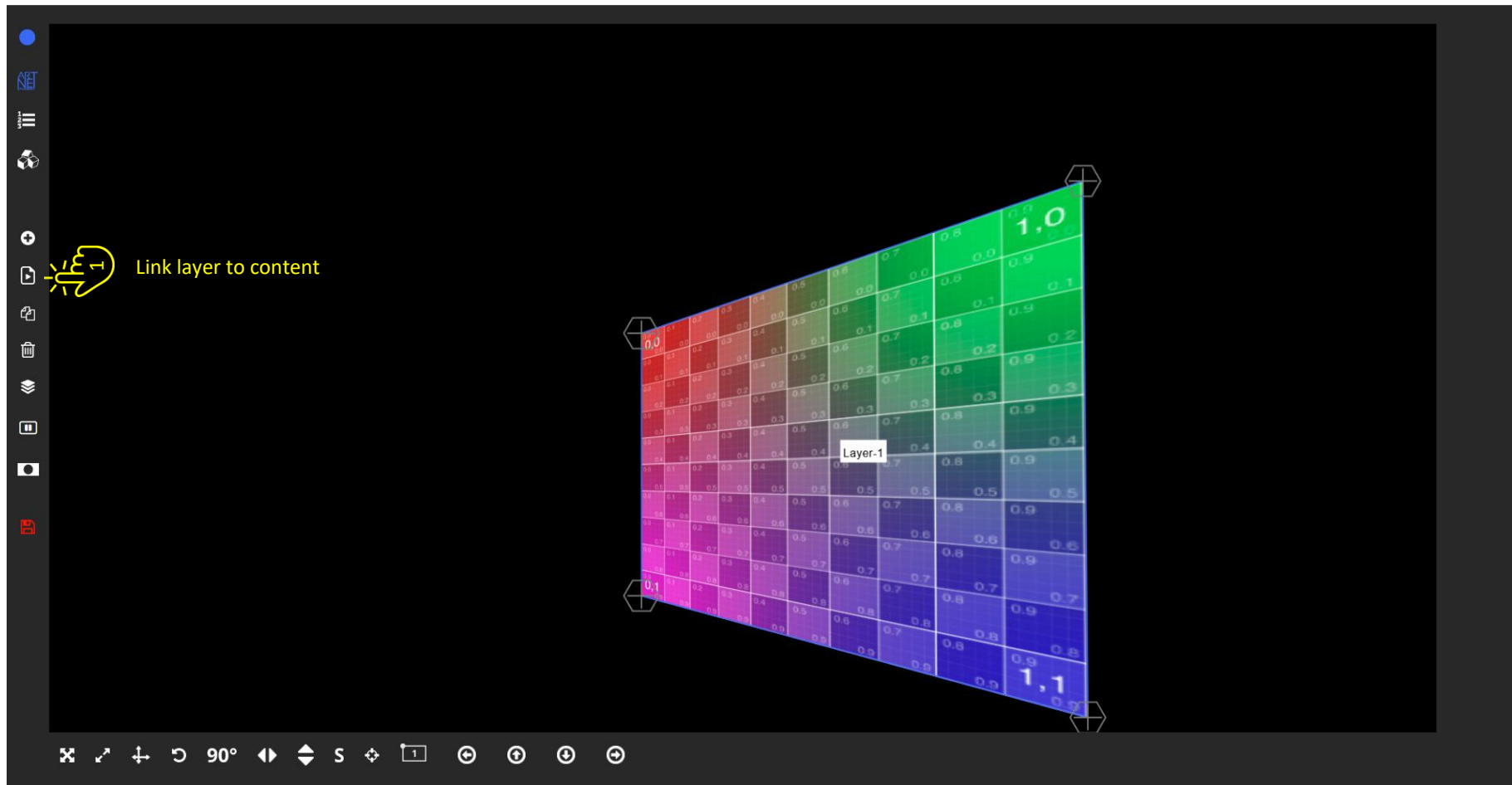
The first layer has been created and is ready to edit. Click the layer [1] to activate it.

When the layer is active, four keypoints with crosshairs are shown on the layer and the layer receives a colored border (blue).

You can position the layer where you need it by clicking and dragging [2].

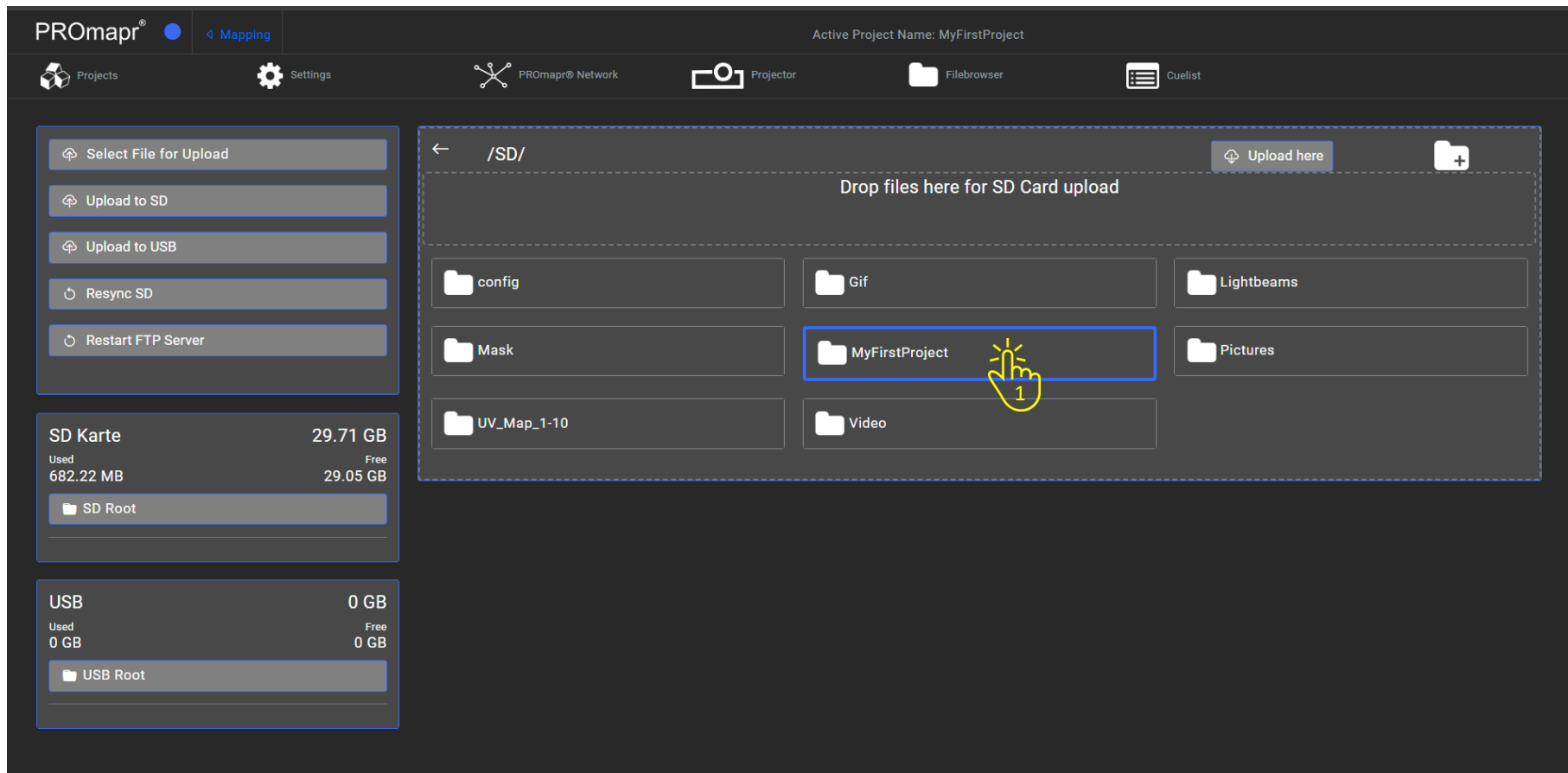
With the keypoints [3], you can change the proportions of the layer and, for example, adapt it to a projection surface.

Once the layer is positioned and adjusted, link it to a suitable media file. (next page)



Link the layer to suitable content. Make sure the layer is active. (keypoints visible, outlined in blue)

Click the add file icon [1] 

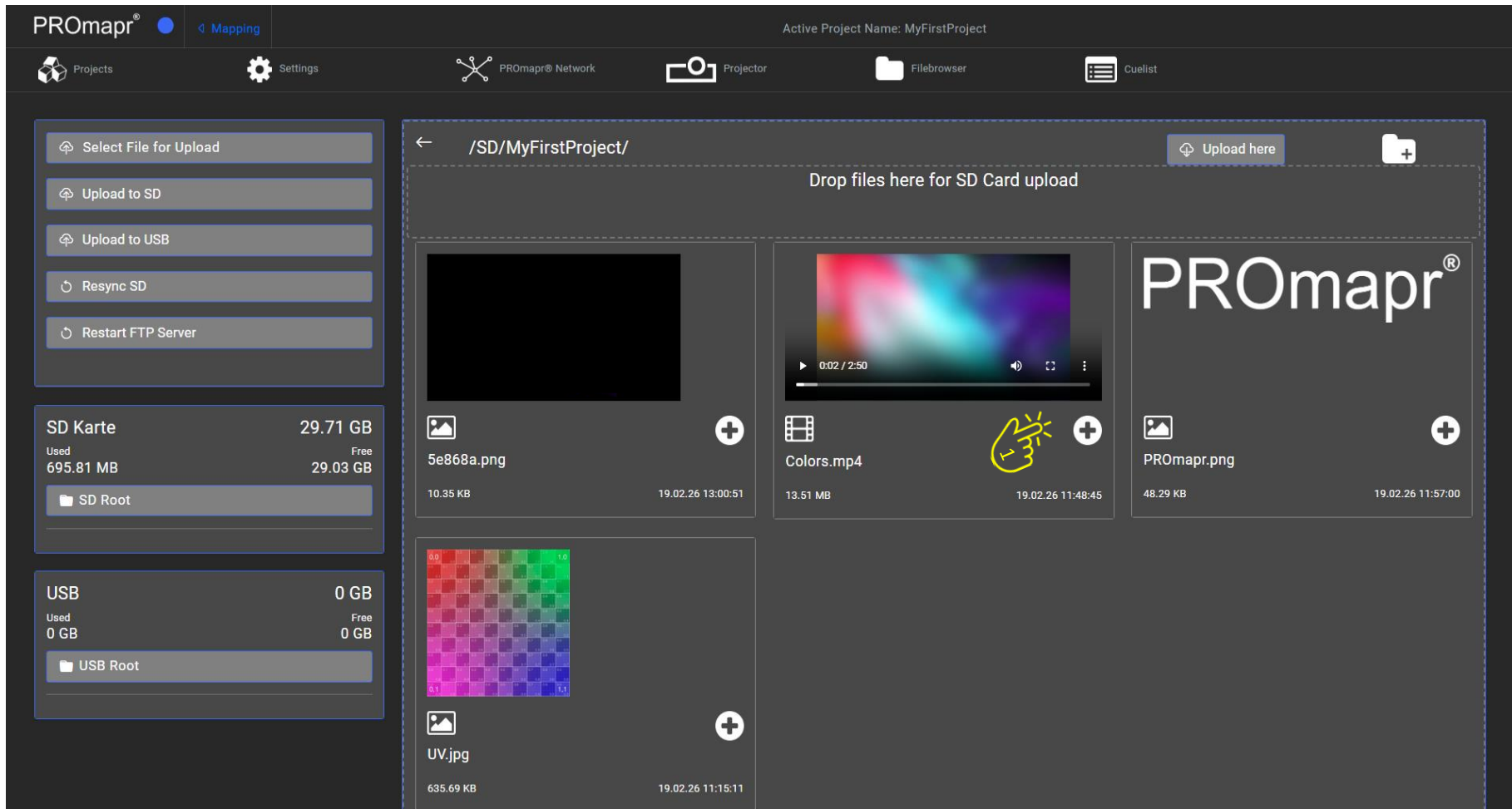


You are now in the file browser.

Click the project folder of the active project to open it. [1]



You do not necessarily have to use files from your project folder. Files from any folder on the SD/USB storage can be added to your project. If you have several projects, you can also use a file from another project. The PROmapr® will then automatically copy it into your current project. Always make sure there is enough storage space on your SD card.



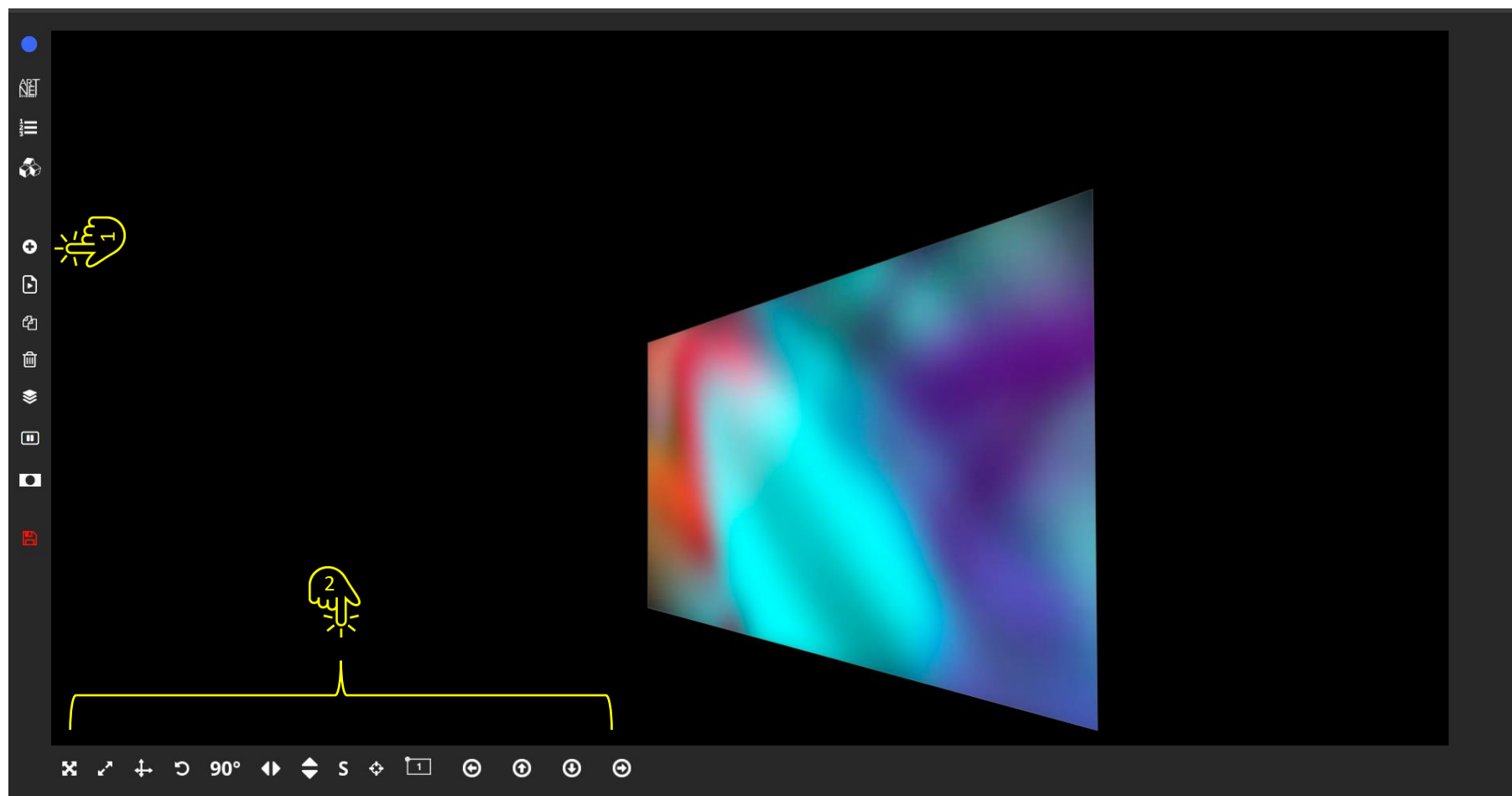
In our example, we previously added two files to the project folder.

We choose the previously uploaded video. By clicking the **+** [1] you select the file and it is linked directly to the layer. You are now automatically returned to the Mapping Board.

Important: If you do not want to insert any content, go back to the Mapping Board via the blue **< Mapping** icon at the top left.



You can add videos (mp4, H264), images and animated GIFs as media. Images (png) and GIFs with transparency are also supported.



The selected file is inserted directly into the layer, filling the format.

You can now add another layer, for example [\[1\]](#) or also the current Layer next edit with the layer toolsn [\[2\]](#).

Some layer tools are latching, meaning you switch them on or off for layer manipulation. Enabled tools are highlighted in blue. It is best to try all tools to get to know them better.

For detailed information on how the layer tools work, see the Mapping Board Layer Tools section from page [48](#) onward.



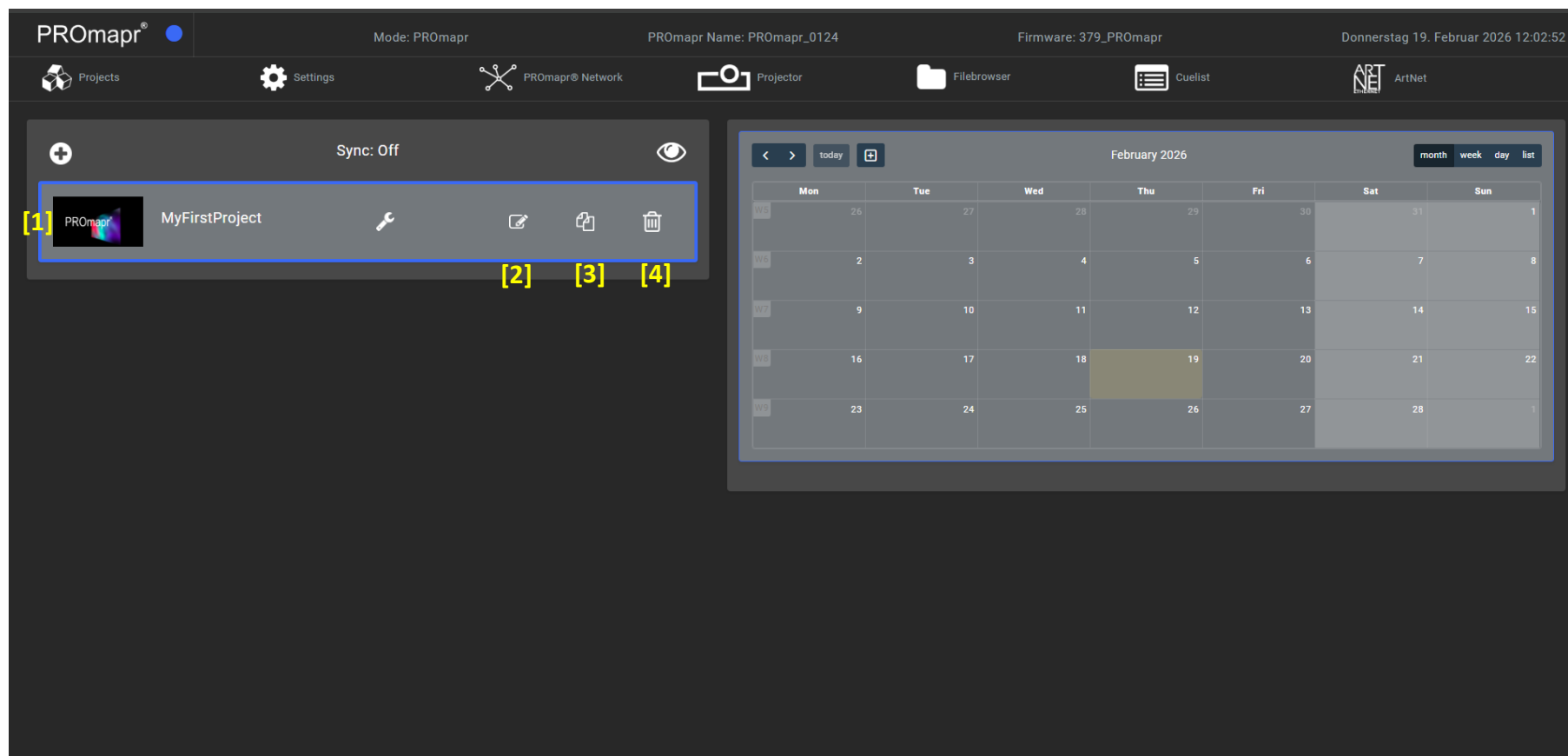
In our example, we have slightly modified the first layer and added another layer. This is a PNG with transparency.

For now, we want to save it as it is. This is what the floppy disk icon is for. By clicking **1** it, the current output is saved to the project. The saving process may take a moment. If your project contains videos, they are paused during saving.

This is necessary so the saving process can be performed faster.



A red floppy disk icon indicates, for example, that you have changed something in your project. If you leave the project without saving and return to the Projects Page, all changes are discarded.



If you leave the Mapping Board using the  icon and have saved your project beforehand, your saved project will be displayed on the Projects Page [1]. Projects are sorted alphanumerically in the list. New projects are always located at the very bottom of the project list when created. After restarting or rebooting the player, the list is sorted again.

Projects can be renamed [2], copied [3] and deleted [4]. When copying, all data is copied. Make sure there is enough storage space.



If you have several projects on your Projects Page, one click on the project thumbnail (preview image) is enough to start it.

Mapping Board Layer Tools

The following pages explain all layer tools of the Mapping Board in more detail.

With these tools you can edit the currently active layer.

The following tools are available:

Layer fullscreen

Scale layer uniformly

Scale layer horizontally/vertically

Rotate layer step by step

Rotate layer in 90° steps

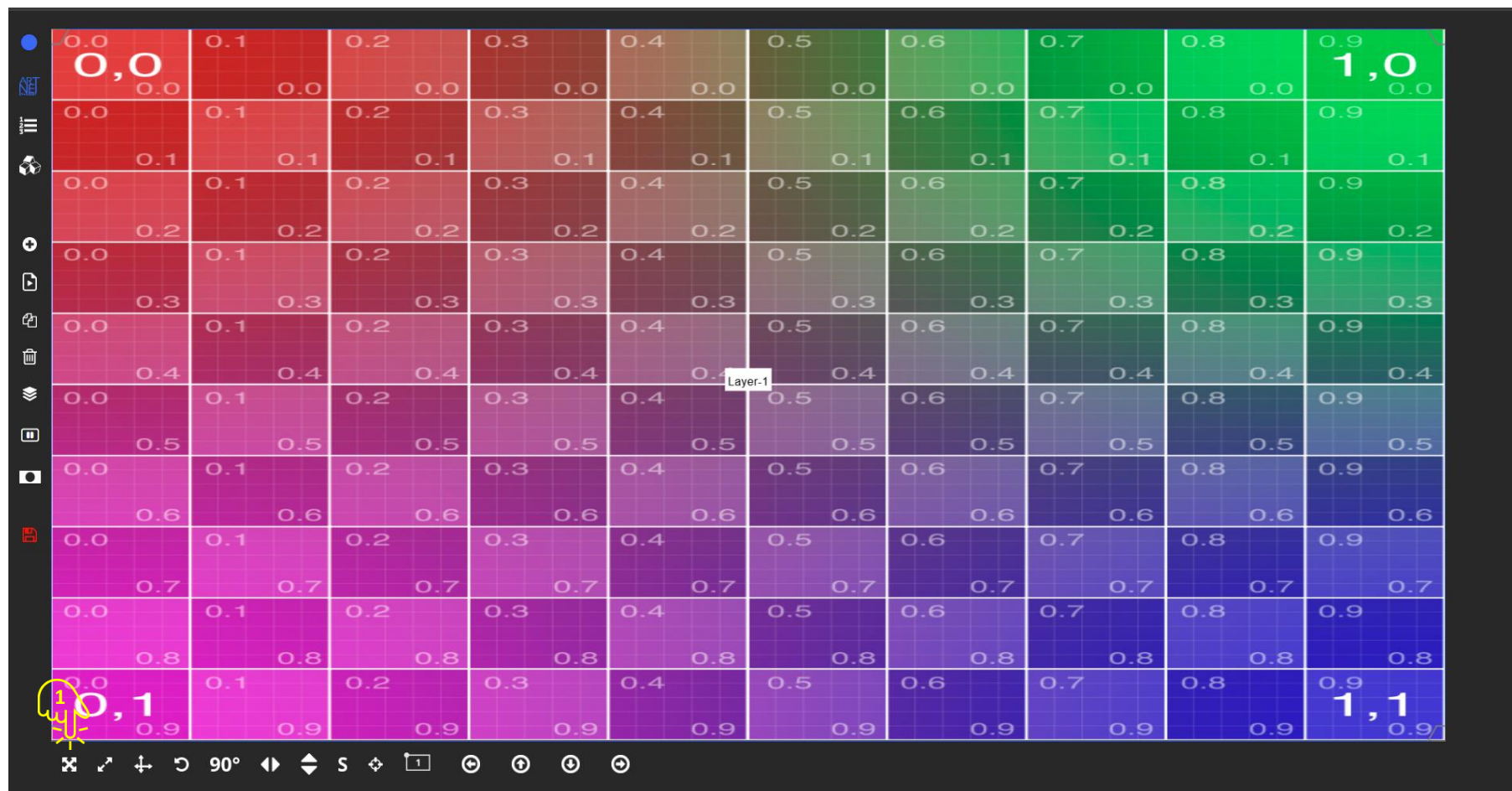
Mirror layer content horizontally

Mirror layer content vertically

Limit layer output to the active layer

Crosshair for precise positioning

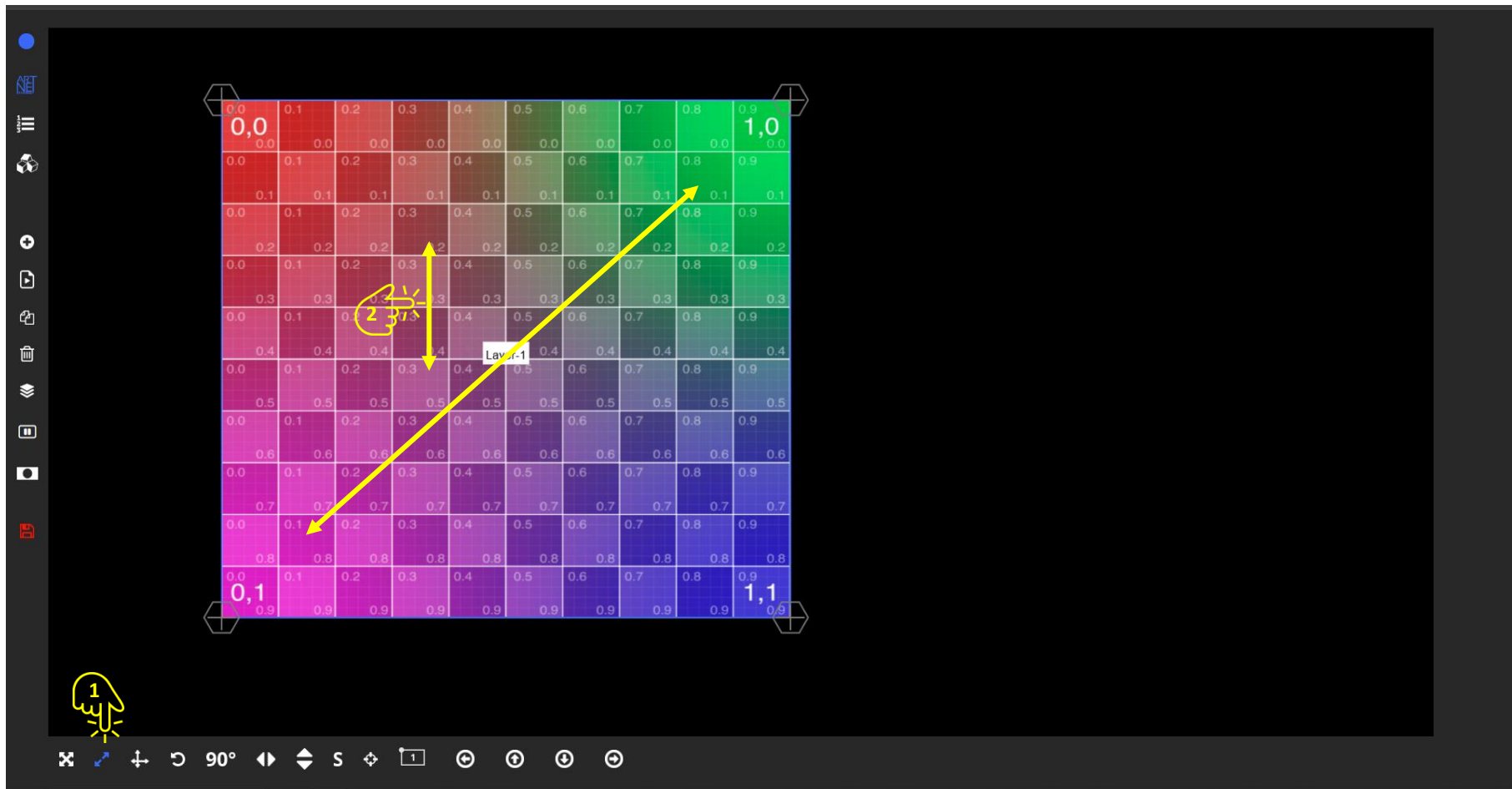
General cursor functions



[1]  scales the active layer to fullscreen size.

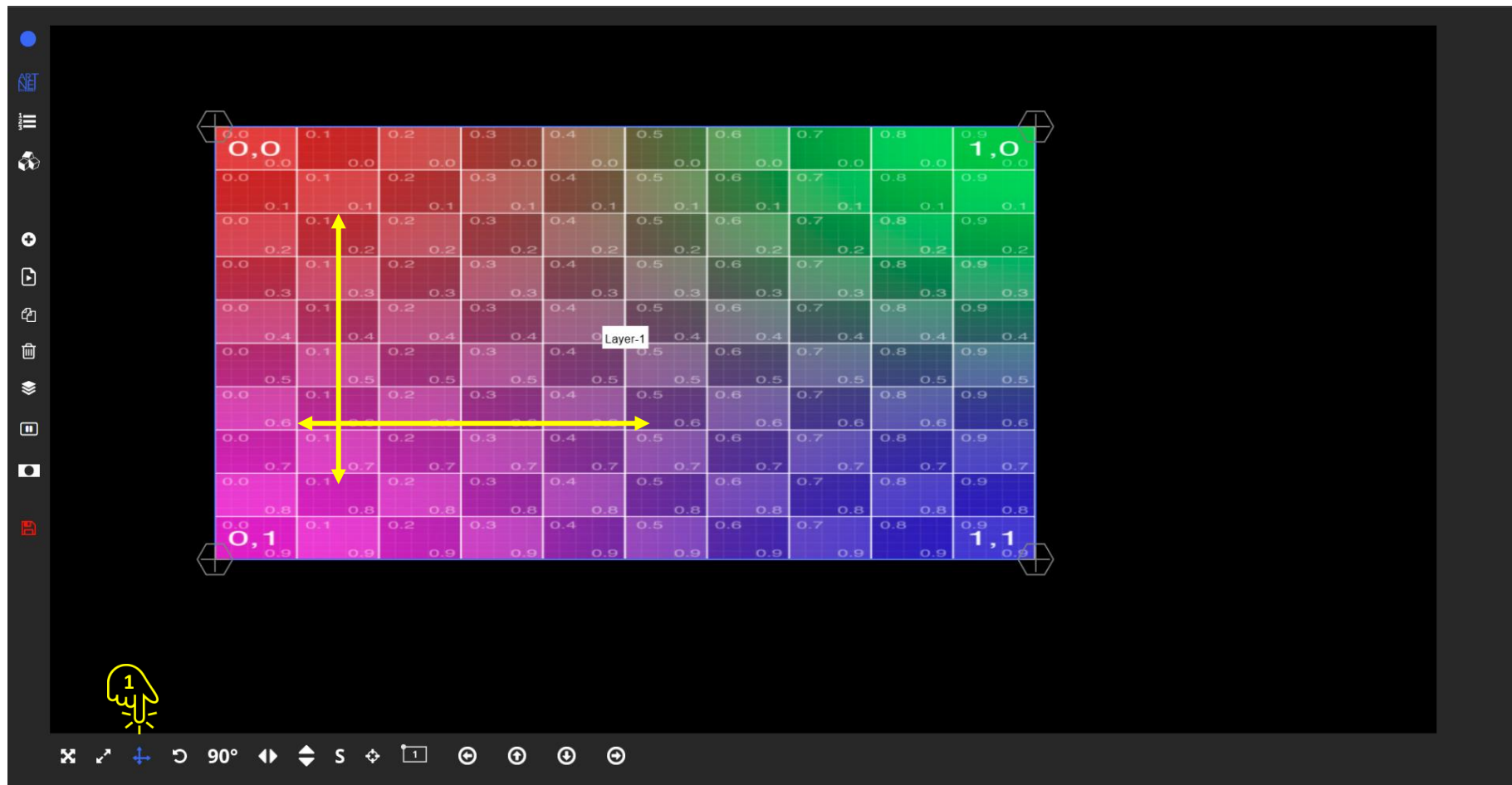


The fullscreen function saves the previous position and size of the active layer before scaling to fullscreen. Clicking the function again returns the layer to its previous position and size.

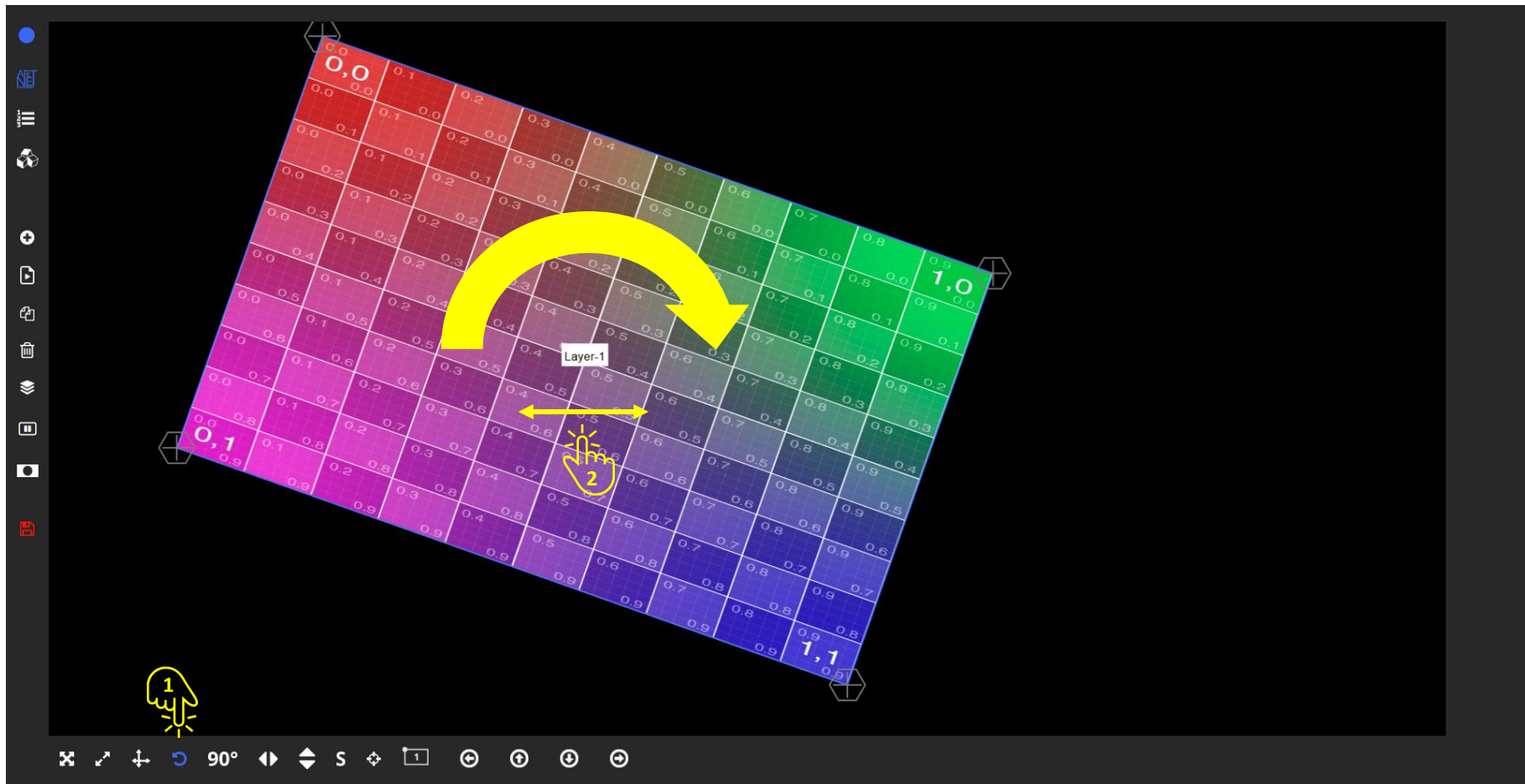


[1] scales the active layer uniformly. The function is latching and can be switched on (BLUE) and off. When switched on, the layer can be scaled uniformly using the up/down cursor keys.

[2] You can also scale the layer by holding the mouse button inside the layer and moving up/down. The same applies when operating via tablet. There, you scale the layer with an up/down swipe gesture.

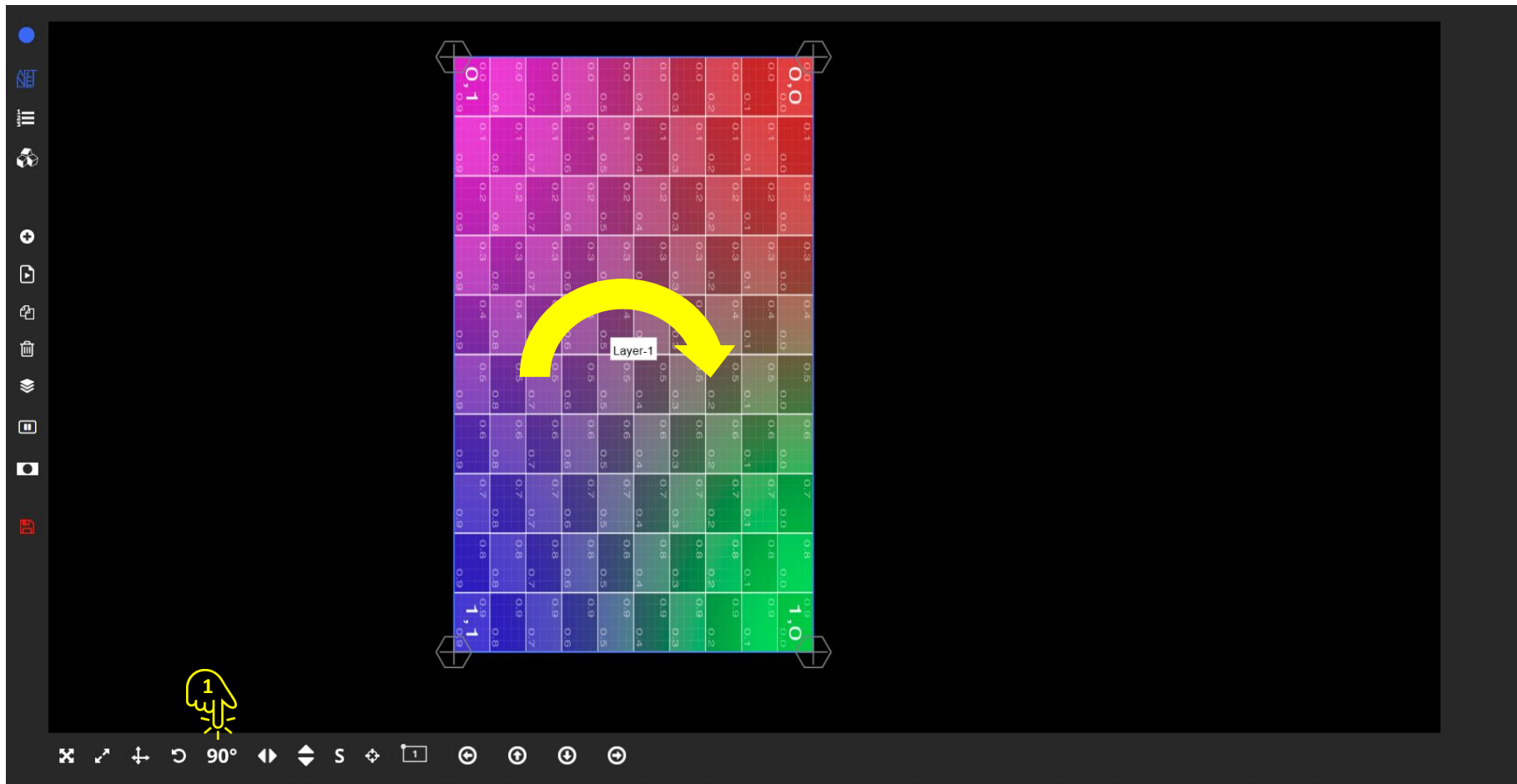


[1]  scales the active layer horizontally or vertically. The function is latching and can be switched on (BLUE) and off. When switched on, the layer can be scaled vertically using the up/down cursor keys on the keyboard. The left/right cursor keys scale it horizontally.

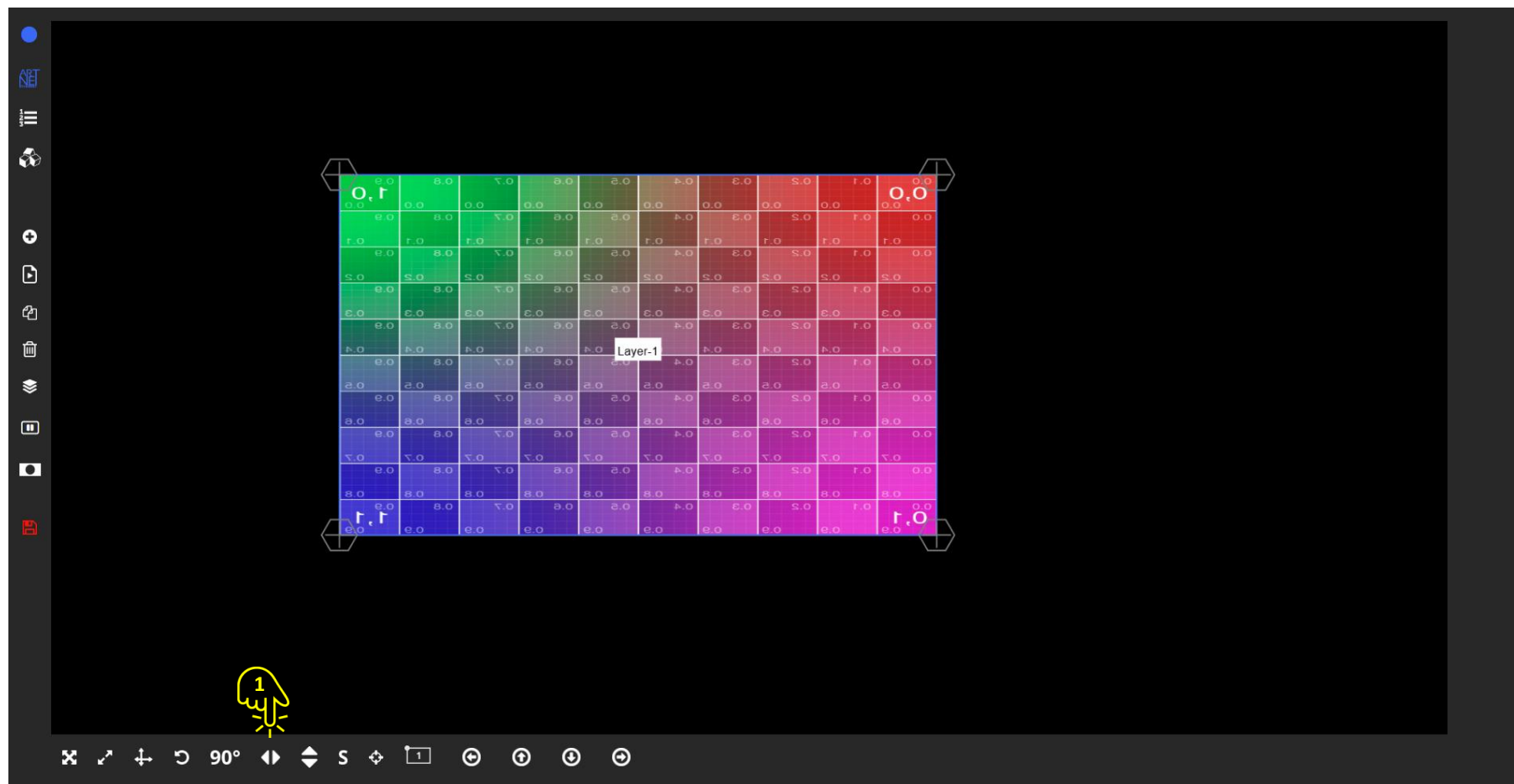


[1]  rotates the active layer around the center axis. The function is latching and can be switched on (BLUE) and off. When switched on, the layer can be rotated using the left/right cursor keys.

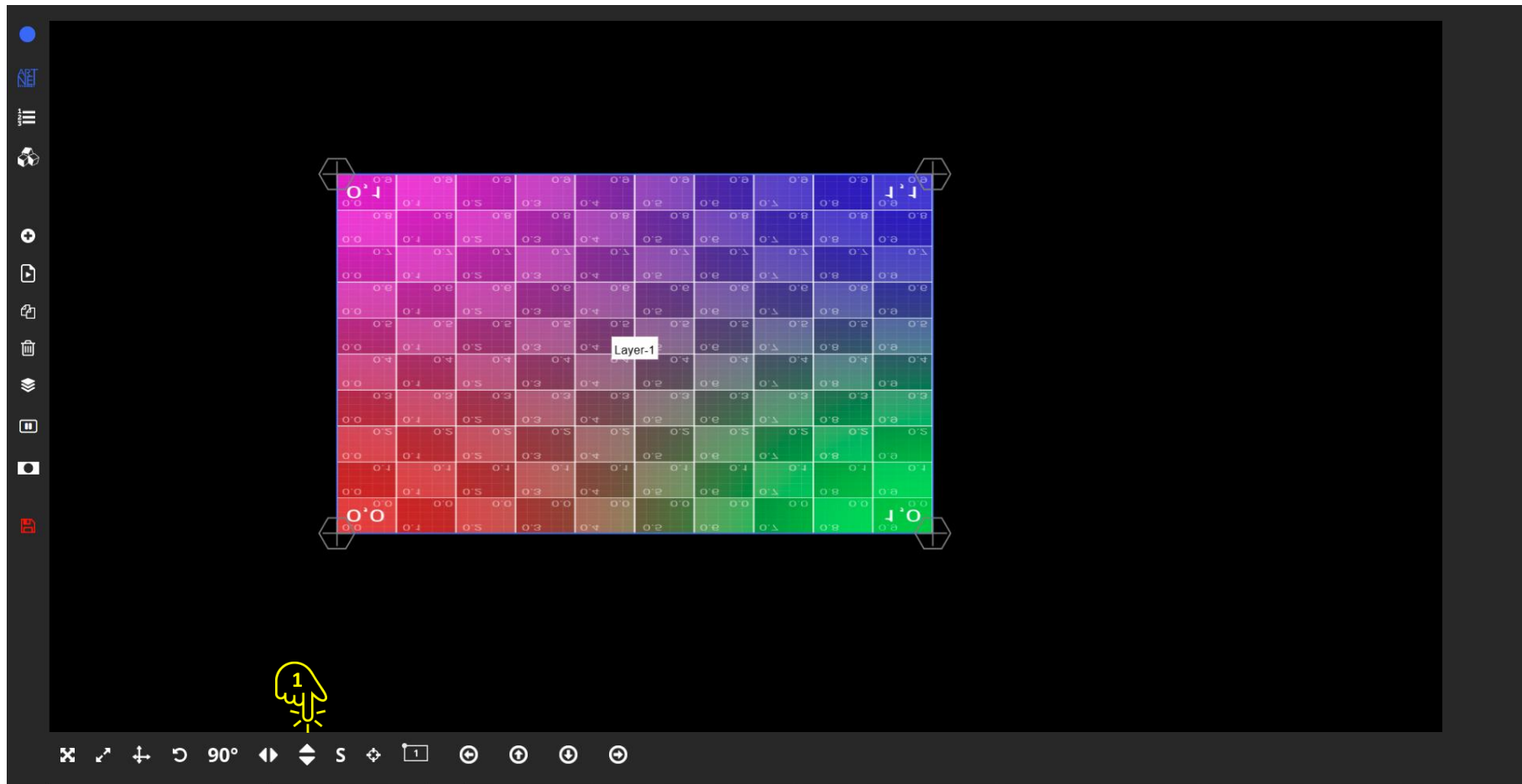
[2] You can also rotate the layer by holding the mouse button inside the layer and moving left/right. The same applies when operating via tablet. There, you rotate the layer with a left/right swipe gesture.



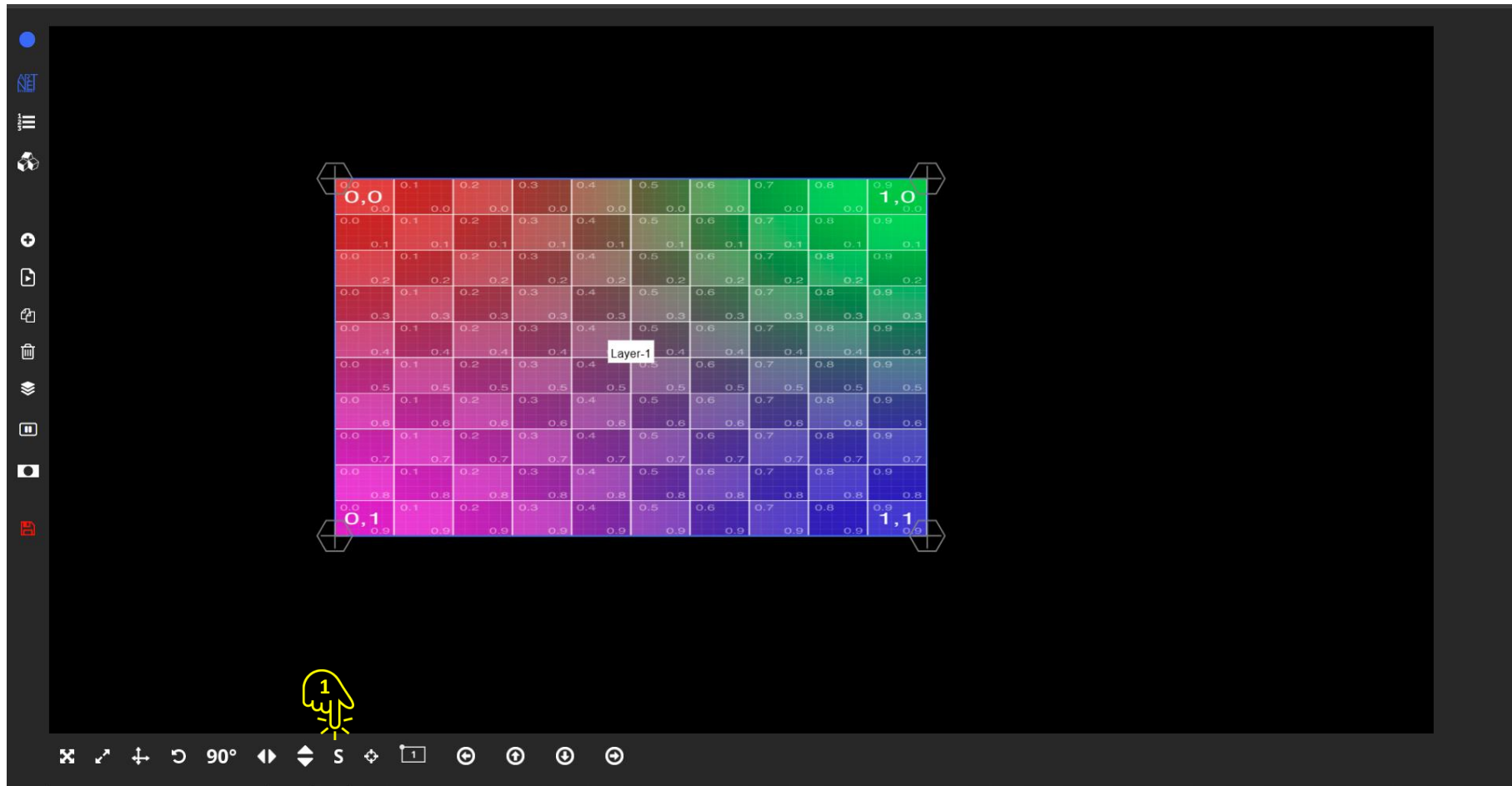
[1] 90° rotates the active layer by 90° around the center axis. Each click rotates the layer another 90° clockwise.



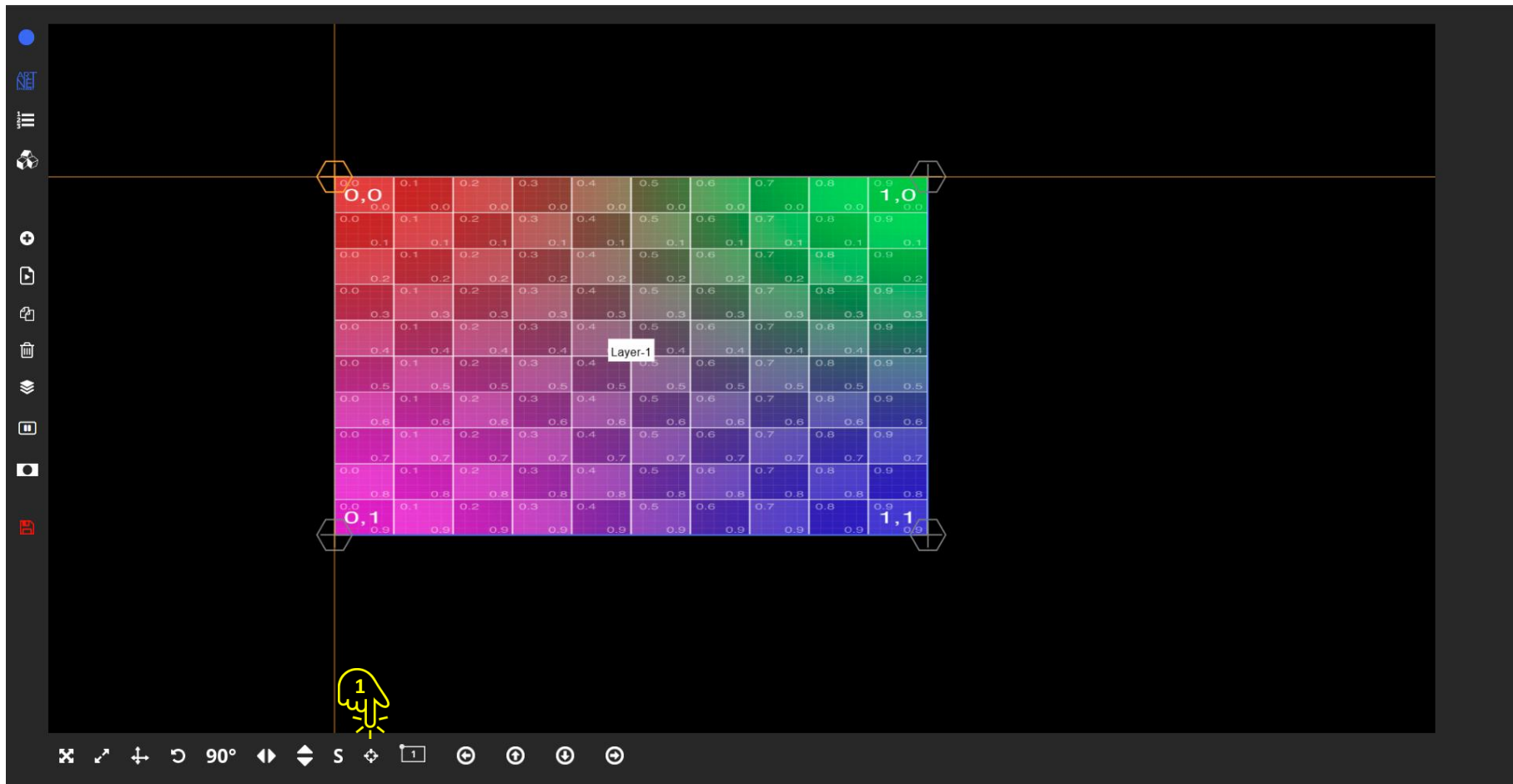
[1] ◀▶ mirrors the content of the active layer horizontally.



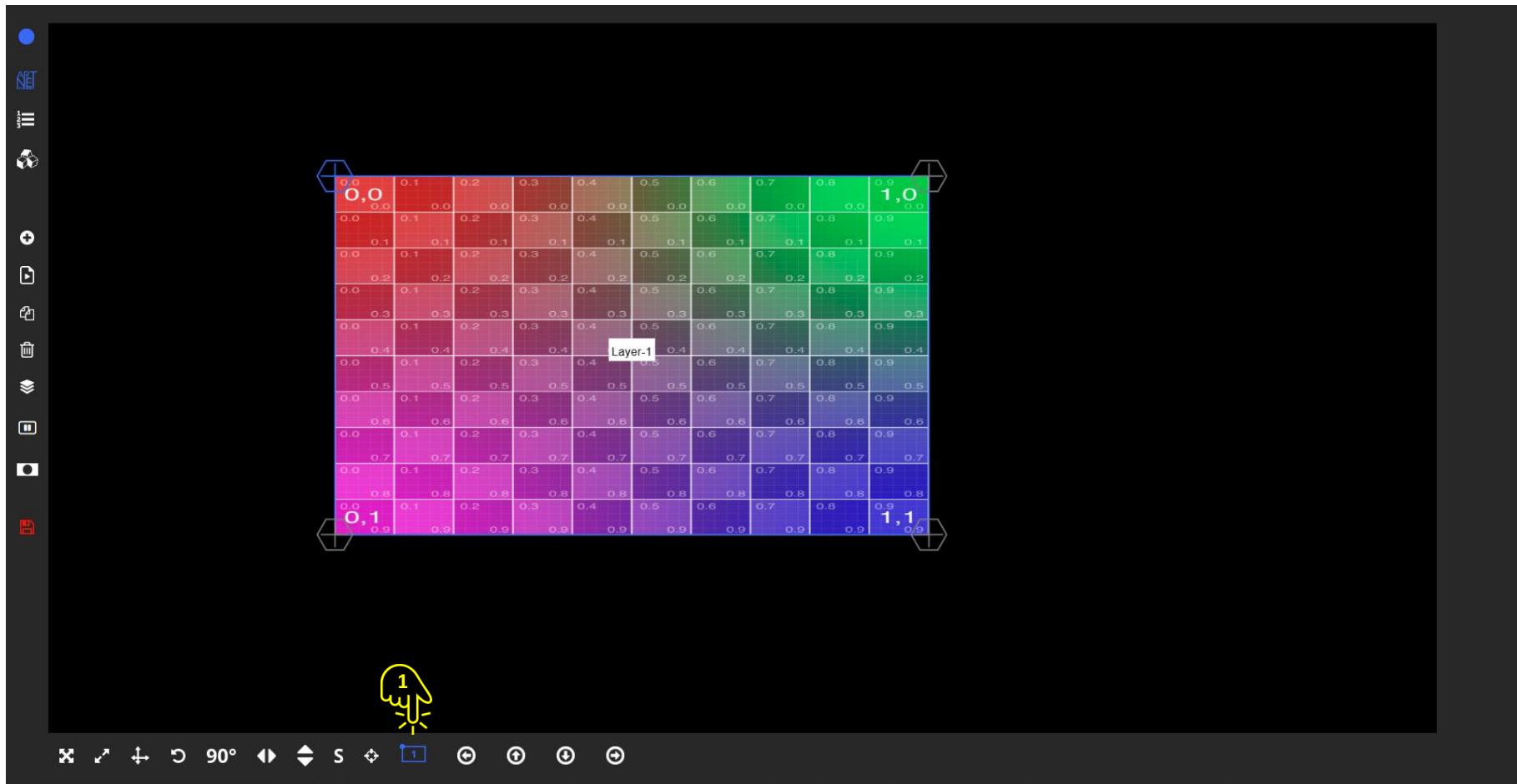
[1]  mirrors the content of the active layer vertically.



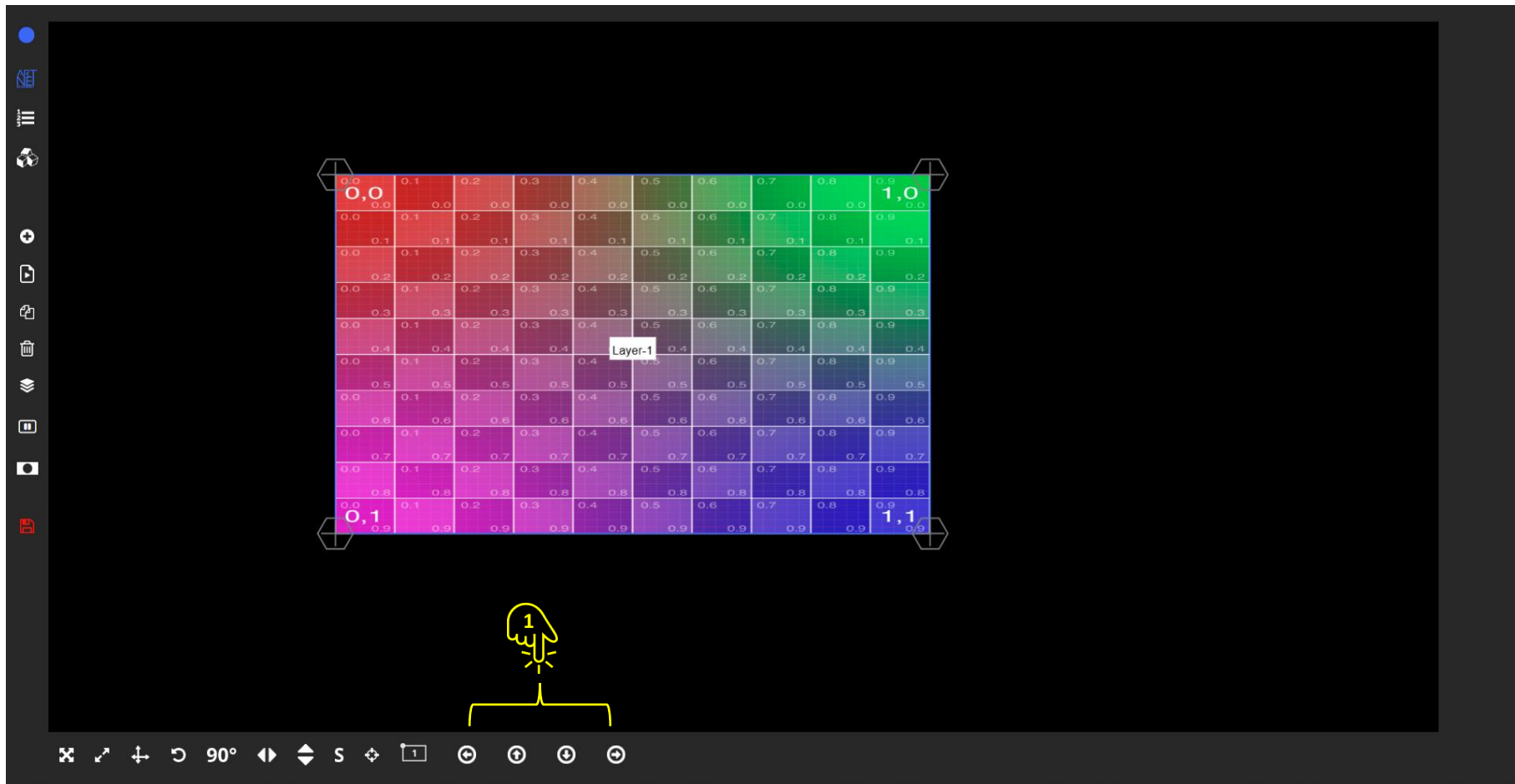
[1] S switches the active layer to single mode. All other layers in the Mapping Board and in the output are hidden. This function helps when many layers are displayed at the same time or when videos already running in other layers reduce the response speed of the PROmapr®.



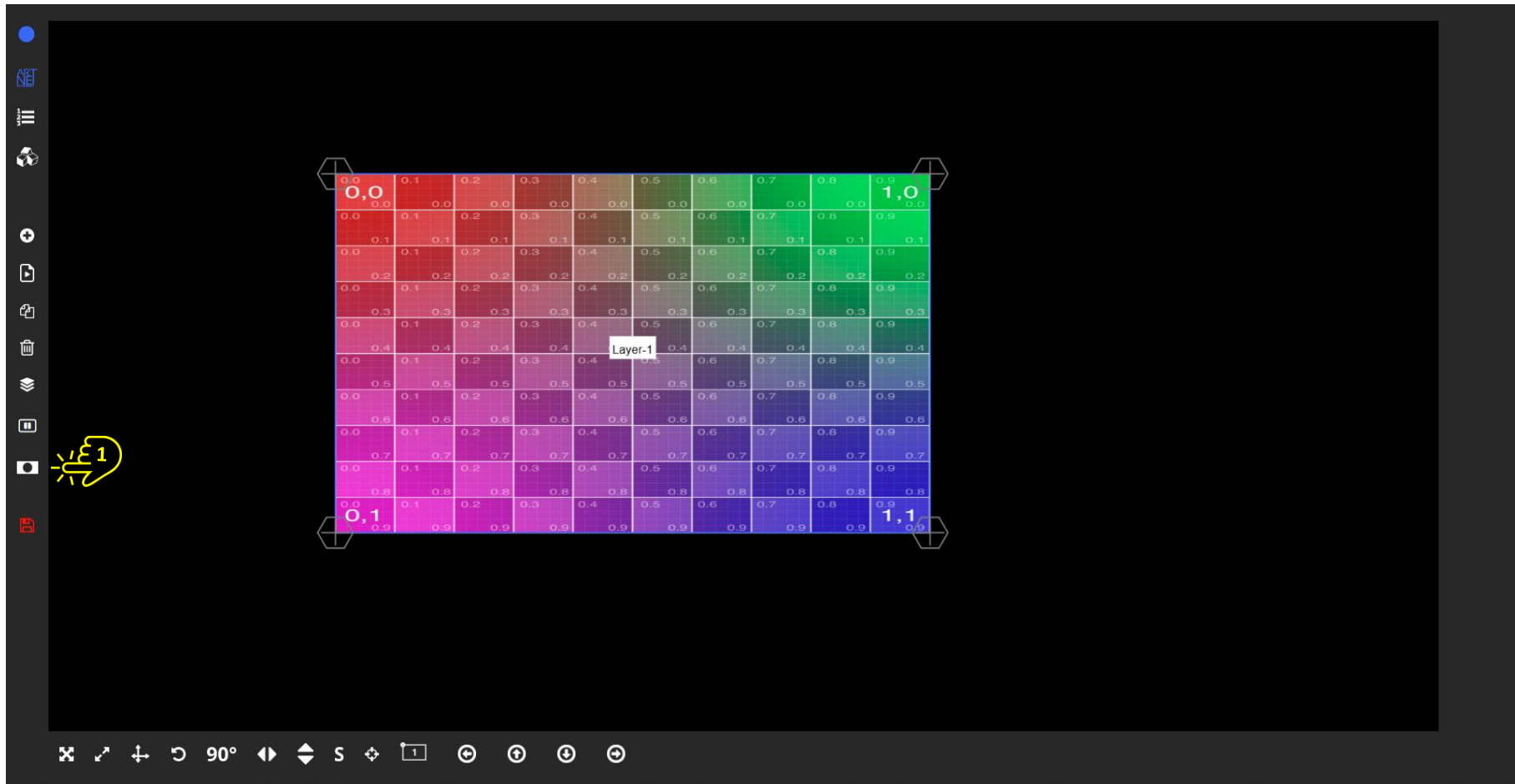
[1]  switches the crosshair on and off. The crosshair follows the mouse pointer and helps align to horizontal and vertical lines.



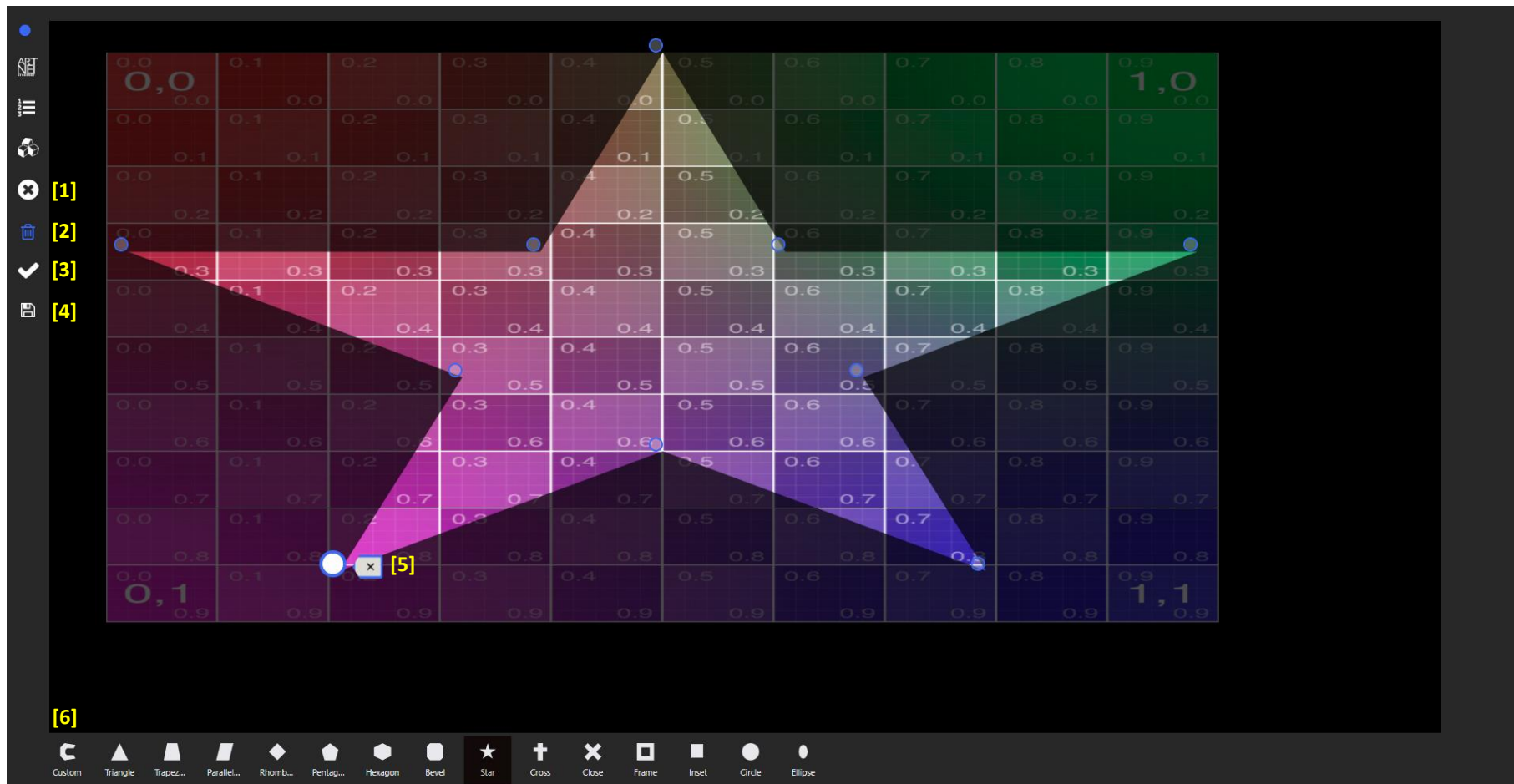
1 **[1]** activates the keypoints one after another. This function is helpful if, for example, keypoints are behind another layer or outside the Mapping Board. When selected, the keypoints can easily be moved using the up/down/right/left cursor keys.



[1]     replaces the cursor keys when operating the Mapping Board with a tablet.
 With these buttons, you can move the entire layer or a selected keypoint with pixel precision, for example.



The layer mask **[1]** allows you to apply various mask templates and also a freely created polygon mask to the respective active layer. To do this, click the mask icon on the left toolbar to start the mask editor.



In the mask editor, you can directly choose from 14 different mask templates. You can also create and apply a custom polygon mask. Select the mask type in the lower toolbar [6].

Each mask has matching circular blue/gray handles at all corner points so the points can be moved.

You create the custom mask by selecting Custom and clicking the points in your layer that should become corner points in the mask (min. 3). You can add an unlimited number of points. Once all points have been added, click the checkmark icon [3] in the left toolbar. Points can be deleted when the respective point is selected [5]. An X is then displayed, which deletes the point when clicked.

When all points are correct, save the mask using the floppy disk icon [4].

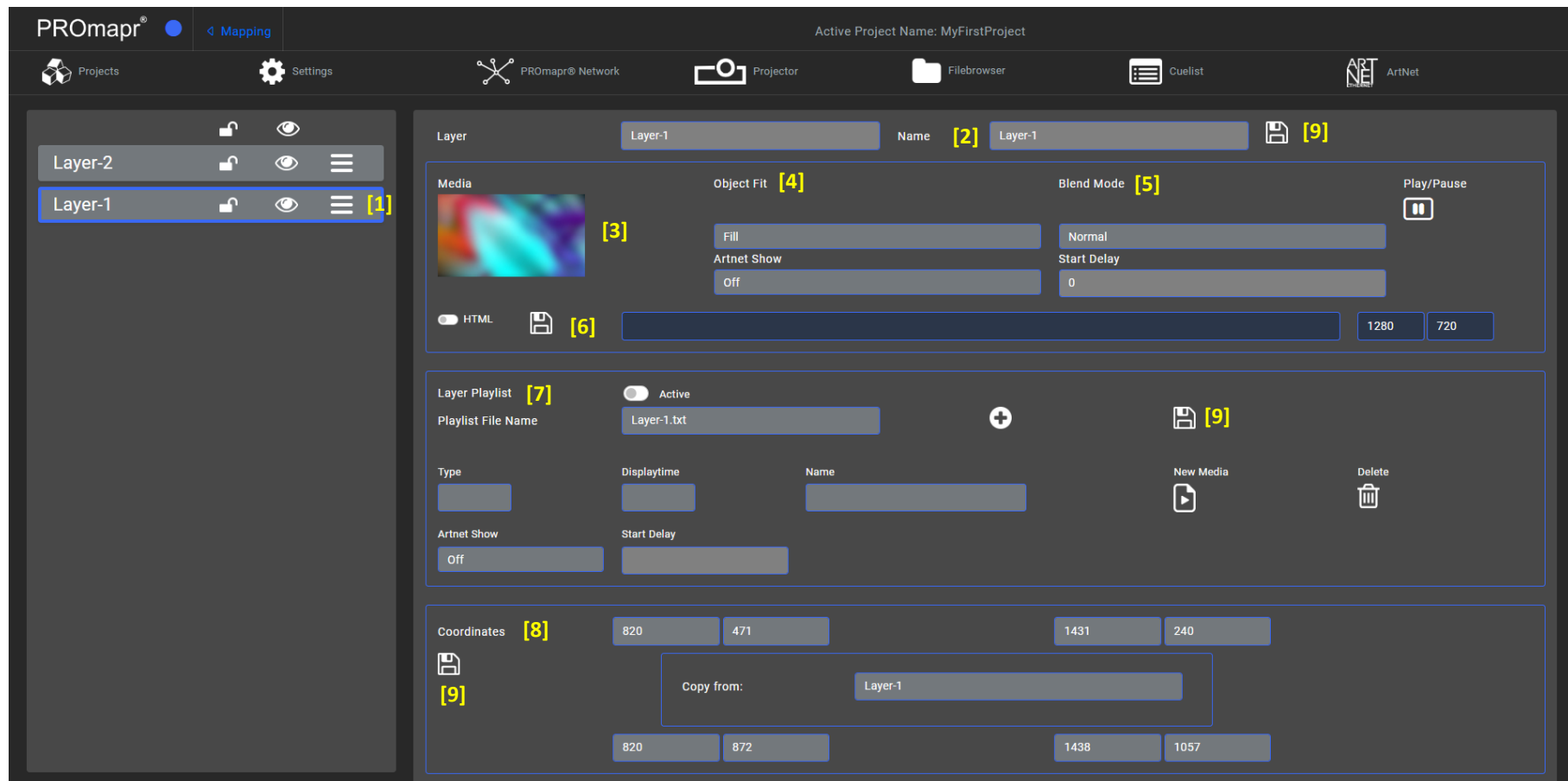
After saving, the editor automatically returns you to the Mapping Board.

If you want to delete the mask, click the trash can [2]. Leave the editor without saving using the X [1].



The layer editor **1** is opened via the layer icon in the left toolbar. In the layer editor, you have many options to link filter effects, fade effects or individual attributes of each layer to on Art-Net channel. You can also change the stacking order of your individual layers.

The layer editor is divided into two areas. On the next two pages you will learn about the Layer Editor general settings and fader filters / Art-Net.



In the upper layer editor, you can move the selected layer [1] in the sorting order by drag and drop, hide it and lock it.

You can also rename the layer [2] so that it can be recognized more easily in the Mapping Board.

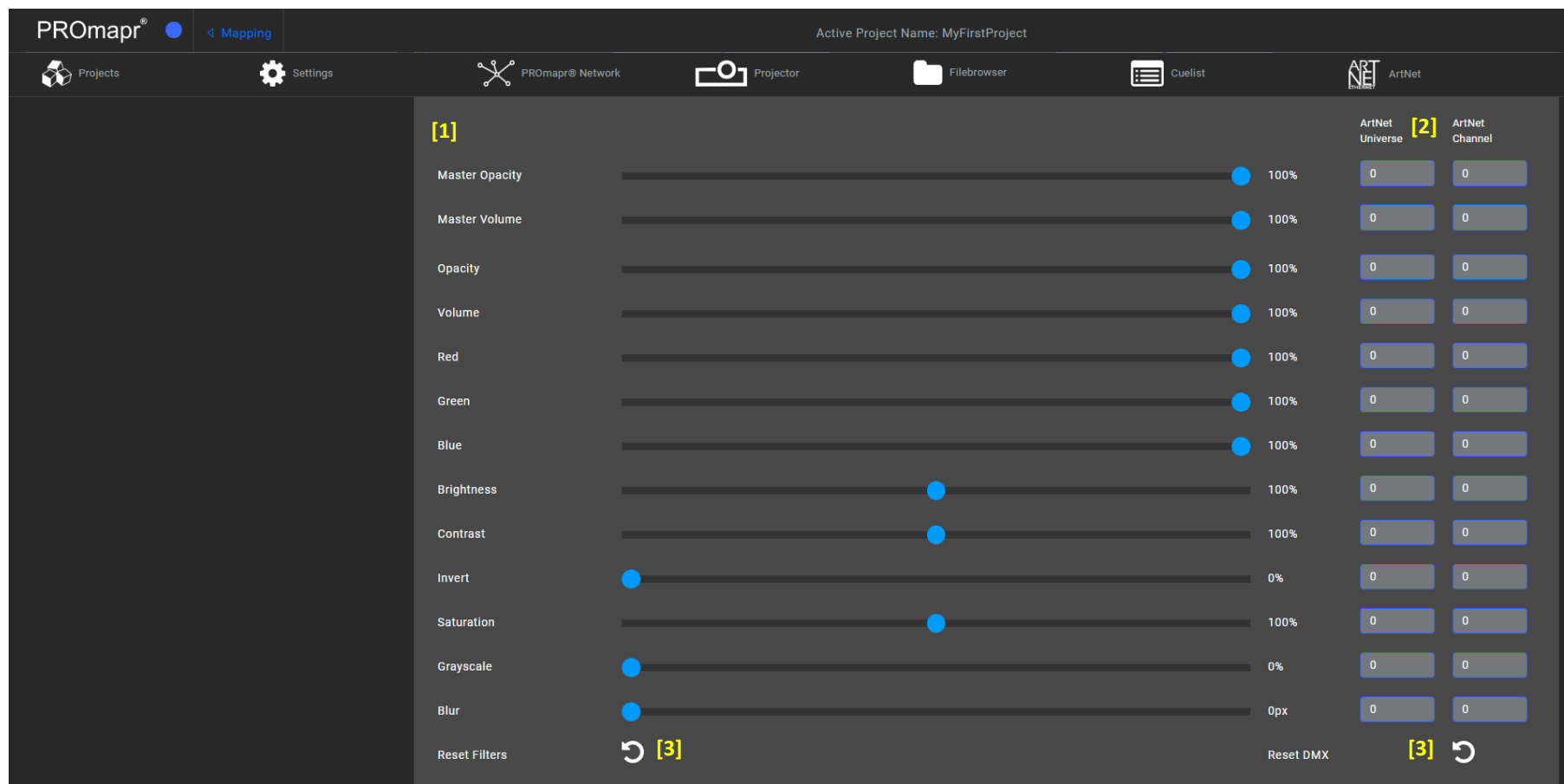
Here in the editor, you can also replace your content later [3], adjust the aspect ratio [4] of the selected layer or apply a layer blend effect [5] (Blend Mode).

Linking an HTML element to the respective layer is possible here [6]. In this case, enter the URL here and activate the HTML button.

With the layer playlist [7], you can play several videos or images one after another in one layer. See page 65 Layer Playlist Editor.

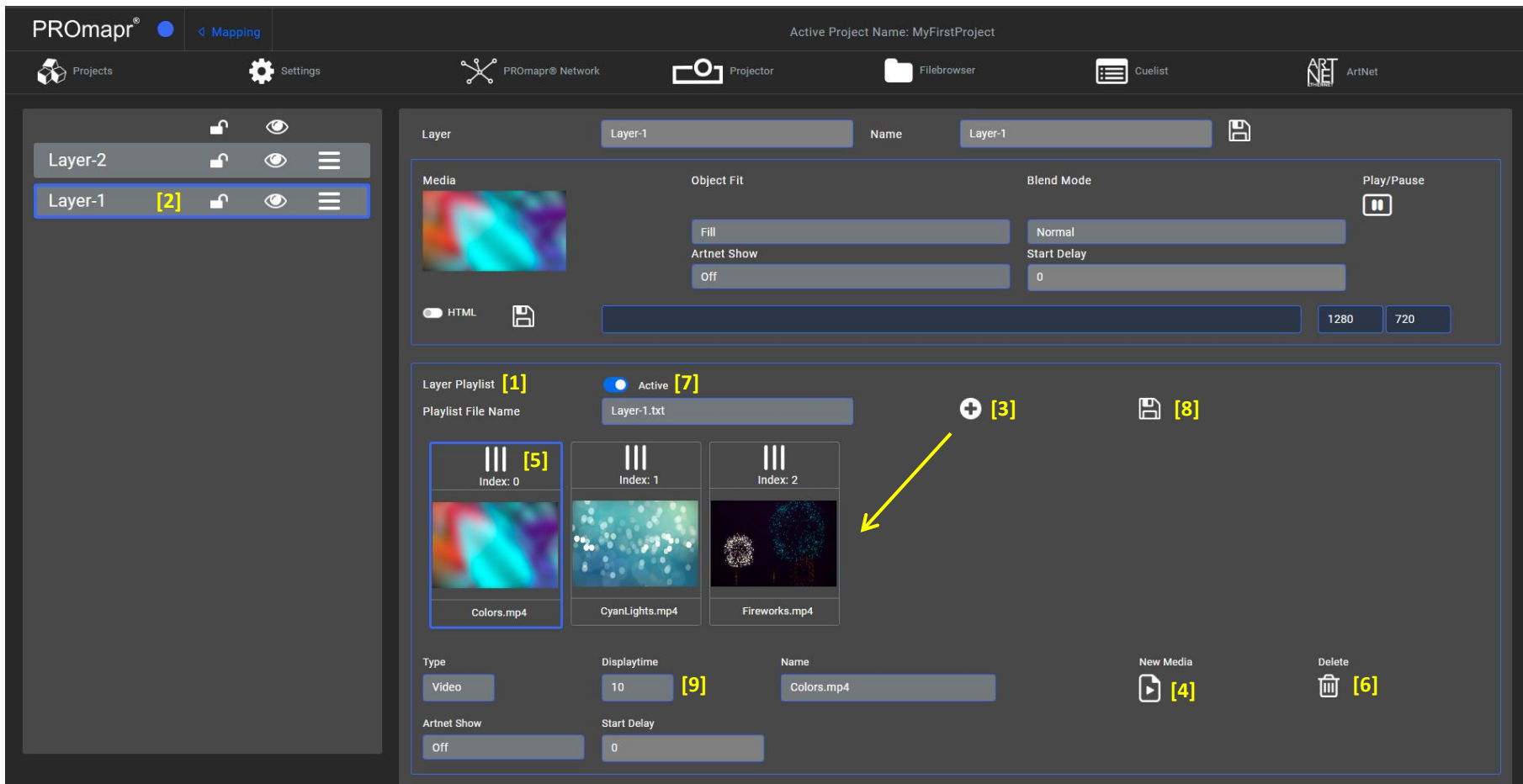
The Coordinates area [8] allows you to change the keypoints of the selected layer with pixel precision or transfer the coordinates to another layer.

Save all changes using the floppy disk icon in the respective area [9].



In the lower layer editor, you can apply various filter effects [1] directly to the selected layer. The filter controls can be linked on the right-hand side with corresponding Art-Net channels and universes [2]. All settings can be reset with one click. [3]

All changes made here must finally be saved in the Mapping Board when returning to it via Mapping at the top left!



With the Layer Playlist Editor [1] you can play different content in a previously selected layer [2] one after another.

Use + [3] to add the desired number of content containers (items) to your layer playlist. You can activate a container by clicking it. On active container is outlined in BLUE. Active containers can be linked to content with New Media [4] with content, moved with [5] by drag and drop in the layer playlist and deleted with Delete [6]. With Displaytime [9] you specify the waiting time for image files* until the next container in the playlist is selected. Once all containers are edited, use the switch [7] to activate the layer playlist. By clicking [8] you save your project.



Your content is always placed in the containers to fill the layer format, so make sure your content has the correct aspect ratio.

* video files in the containers are always played from the first frame to the last frame before switching to the next container.

Event calendar (scheduler)

The following pages explain how to program the event calendar (scheduler).

The event calendar lets you start your projects with second-level accuracy.

If you use displays or projectors that can communicate via PJLink, you can switch the devices on/off via the calendar.

Please also refer to the Set up PJLink section.

<

>

today

+

February 2026

month

week

day

list

	Mon	Tue	Wed	Thu	Fri	Sat	Sun
W5	26	27	28	29	30	31	1
W6	2	3	4	5	6	7	8
W7	9	10	11	12	13	14	15
W8	16	17	18	19	20	21	22
W9	23	24	25	26	27	28	1

MyFirstProject

Logoprojektion

MyFirstProject

Start Date	End Date	Project	Cue	Edit	Delete
20.02.2026 17:00:00	27.02.2026 21:00:00	MyFirstProject	1		
19.02.2026 17:00:00	19.02.2026 21:00:00	Logoprojektion	1		

Start Date	End Date	Project	Cue	Edit	Delete
20.02.2026 17:00:00	27.02.2026 21:00:00	MyFirstProject	1		
19.02.2026 17:00:00	19.02.2026 21:00:00	Logoprojektion	1		

With the PROmapr® calendar, you can create single events and recurring events.

Single events [1] are one-time, non-recurring events. With these events, you can either only play your content or additionally switch on output device via PJLink* on and off.

Recurring events [2] are events that repeat regularly. Either daily or on the weekdays you have preset. The PROmapr® then repeats the event between the start and end date at the specified daily start and end time.

The exact creation of these events is described on the following pages.

*To set up PJLink communication with your display/projector, please refer to the Set up PJLink section

The screenshot shows the PROmapr micro interface. At the top, the status bar displays 'Mode: PROmapr', 'PROmapr Name: PROmapr_0124', 'Firmware: 379_PROmapr', and the date/time 'Donnerstag 19. Februar 2026 13:59:31'. Below this is a navigation bar with icons for Projects, Settings, PROmapr® Network, Projector, Filebrowser, Cuelist, and ArtNet.

The main interface is divided into two panels. The left panel, titled 'Sync: Off', shows a list of projects: 'Logoprojektion', 'MyFirstProject', and 'Silvester'. The 'Silvester' project is highlighted with a blue border. The right panel shows a calendar for February 2026. A yellow hand icon with the number '1' is pointing to the date '19' on Thursday. Below the calendar is an event list table.

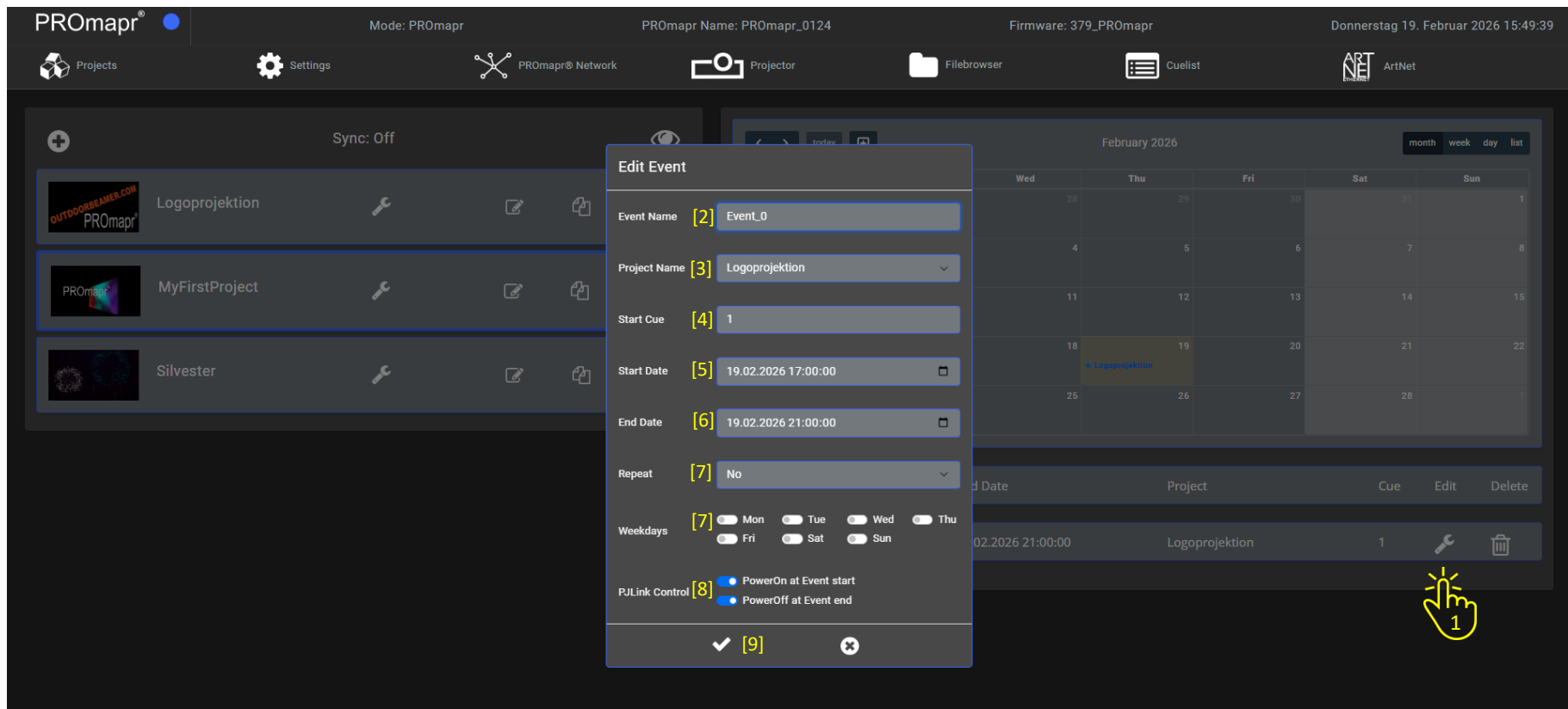
Start Date	End Date	Project	Cue	Edit	Delete
19.02.2026 00:00:00	19.02.2026 00:00:00		1		

Yellow callouts [1] and [2] are present in the original image. [1] points to the calendar date '19'. [2] points to the event list row.

To create a new event, click the + or directly on a date field in the calendar [1].

The new event appears directly below the calendar in the event list. [2]

Programming events starts on the next page.



Here you see an example of a single event.

To start editing your event, click the edit button  [1]

The event name [2] was assigned automatically by the PROmapr® when saving.

The project [3] to be started is the project **Logoprojektion**. The start cue [4] remains at 1.

The start date [5] is **19.02.2026 17:00** The end date [6] is **19.02.2026 21:00**.

The repeat function [7] must not be switched on for a single event.

The projector [8] should be switched on for the event and switched off after the event.

Once everything has been saved [9] the PROmapr® will **19.02.2026** switch on the projector at **17:00**. and until **21:00** play the event Logoprojektion. Afterwards, the PROmapr® switches the projector off again. The single event is then finished.

*After saving the event, the output automatically turns black/is switched off. You can start and edit projects again from the project list at any time.

The screenshot displays the PROmapr micro software interface. At the top, the status bar shows 'Mode: PROmapr', 'PROmapr Name: PROmapr_0124', 'Firmware: 379_PROmapr', and the date 'Donnerstag 19. Februar 2026 16:07:20'. Below the status bar is a navigation menu with icons for Projects, Settings, PROmapr® Network, Projector, Filebrowser, Cuelist, and ArtNet. The main area is divided into two sections. On the left, there is a list of projects: 'Logoprojektion', 'MyFirstProject', and 'Silvester'. On the right, there is a calendar view for February 2026. A modal dialog box titled 'Edit Event' is open in the center. It contains the following fields: 'Event Name' (labeled [2] Event_1), 'Project Name' (labeled [3] MyFirstProject), 'Start Cue' (labeled [4] 1), 'Start Date' (labeled [5] 20.02.2026 17:00:00), 'End Date' (labeled [6] 27.02.2026 21:00:00), 'Repeat' (labeled [7] Daily), 'Weekdays' (labeled [7] with checkboxes for Mon, Tue, Wed, Thu, Fri, Sat, Sun), and 'PJLink Control' (labeled [8] with checkboxes for PowerOn at Event start and PowerOff at Event end). At the bottom of the dialog are a checkmark icon (labeled [9]) and a close icon. A yellow hand icon with the number 1 points to the 'Edit' button in the event list on the right.

Here you see an example of a recurring event. To start editing your event, click the edit button  [1]

The event name [2] was assigned automatically by the PROmapr® when saving.

The project [3] to be started is the project **MyFirstProject**. The start cue [4] remains at 1.

The start date [5] is **20.02.2026 17:00**. The end date [6] is **27.02.2026 21:00**.

The repeat function [7] is set to Daily. It should repeat on all weekdays [7]

The projector [8] should be switched on daily for the event and switched off after the event.

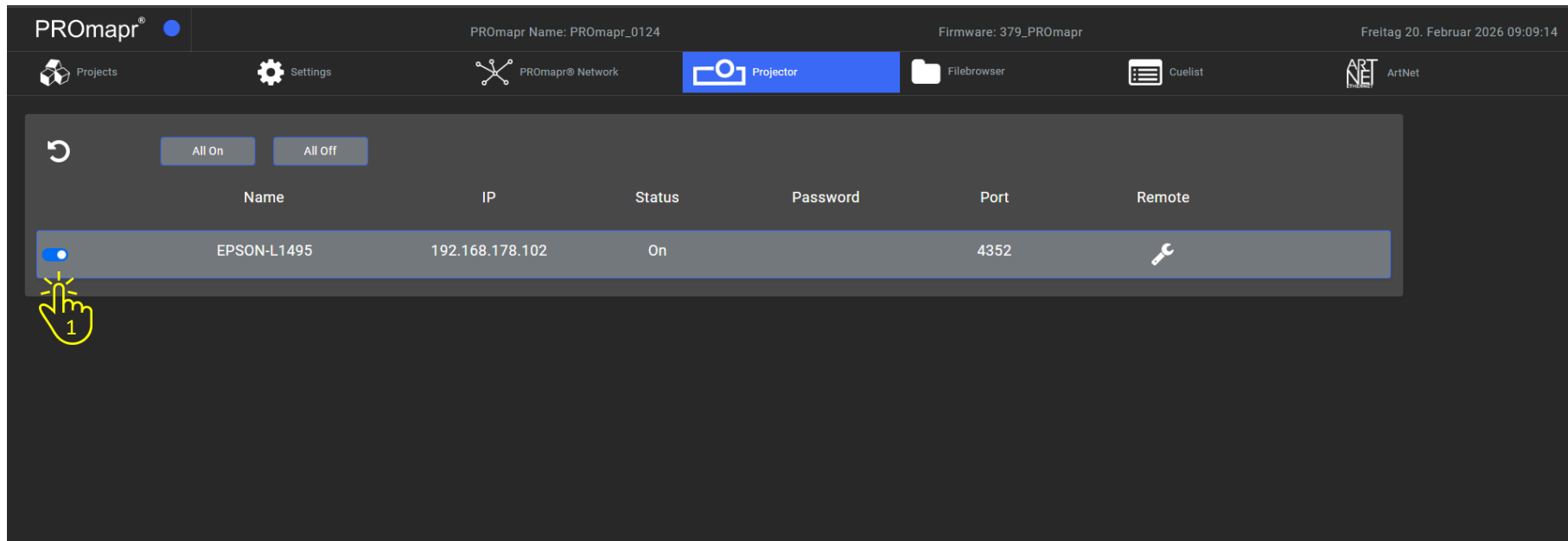
Once everything has been saved [9] the PROmapr® will on **20.02.2026** switch on the projector at **17:00**

And till **21:00** play the **event MyFirstProject**. Afterwards, the PROmapr® switches the projector off again.

This process repeats daily until **27.02.2026** between **17:00** and **21:00**.

You have additional options for the repeat functions and can select only specific days, for example to start on event only on Saturdays and Sundays.

*After saving the event, the output automatically turns black/is switched off. However, you can start and edit projects again from the project list at any time.



With the PROmapr®, you can control output devices in the network, such as displays or projectors, via PJLink. Control options include manual **[1]** and calendar-based switching on and off. The devices are addressed via a previously assigned IP address.

To set up the PJLink connection, you need a TXT text file in XML format.

This contains the name of the projector, the IP address and the password used. If no password is required, the field remains empty.

On example of the file can be found on the next page.

Here is an example of controlling a projector.

```
<Projector>
<name>EPSON-L1495</name>
<IP>192.168.178.102</IP>
<password></password>
</Projector>
```

This text must be saved as a TXT file. The file name must be Projectors.txt.

This TXT file is stored in the Config* folder on the PROmapr®. You can find it under [Settings] ⓘ SD Memory / USB Memory.

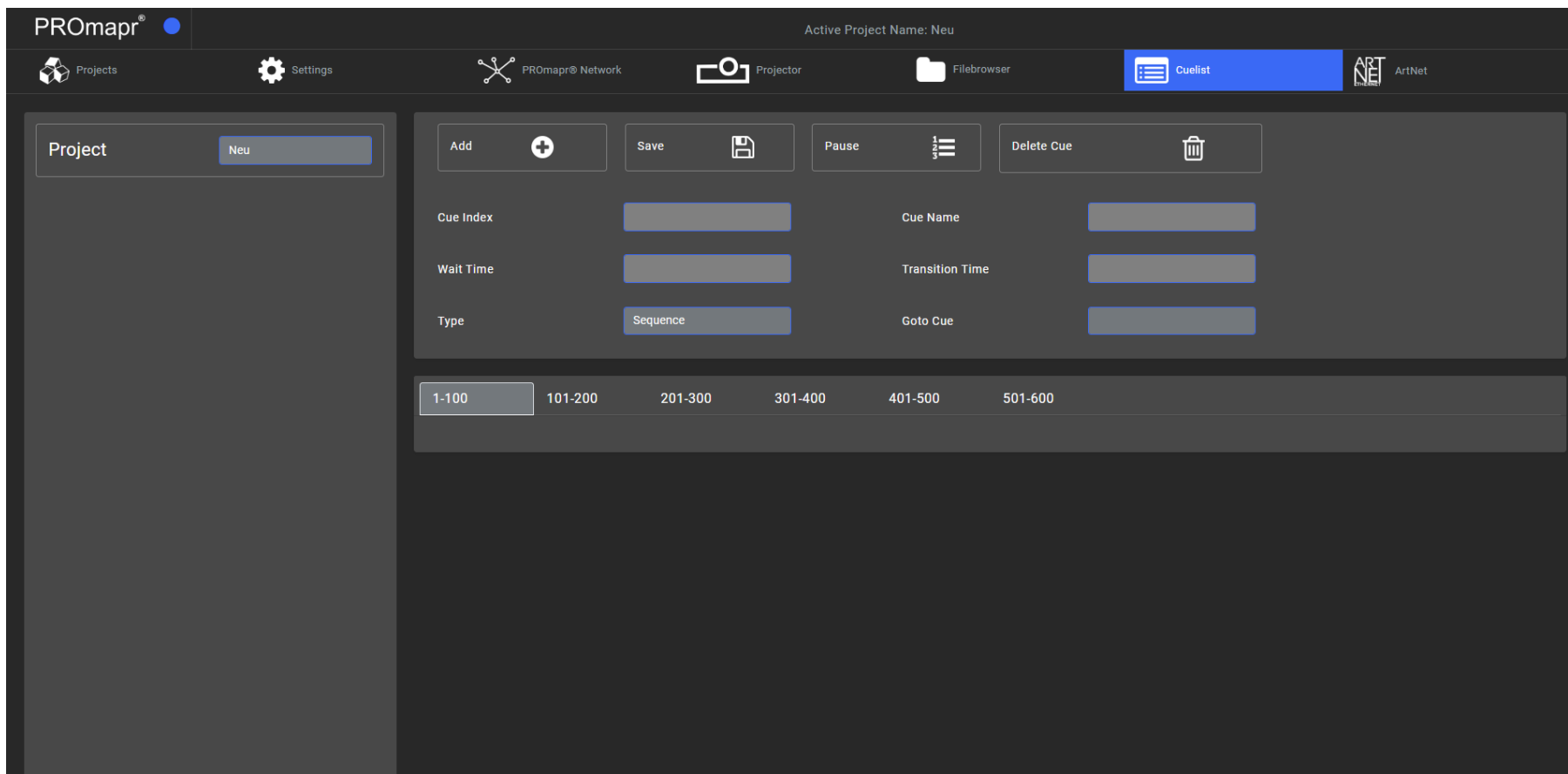
If several projectors or displays are to be addressed, the XML file can look as follows, for example:

```
<Projector>
<Name>EPSON-L1495</Name>
<IP>192.168.178.102</IP>
<Password></Password>
</Projector>
```

```
<Projector>
<Name>EPSON-L1495</Name>
<IP>192.168.178.103</IP>
<Password></Password>
</Projector>
```

etc.

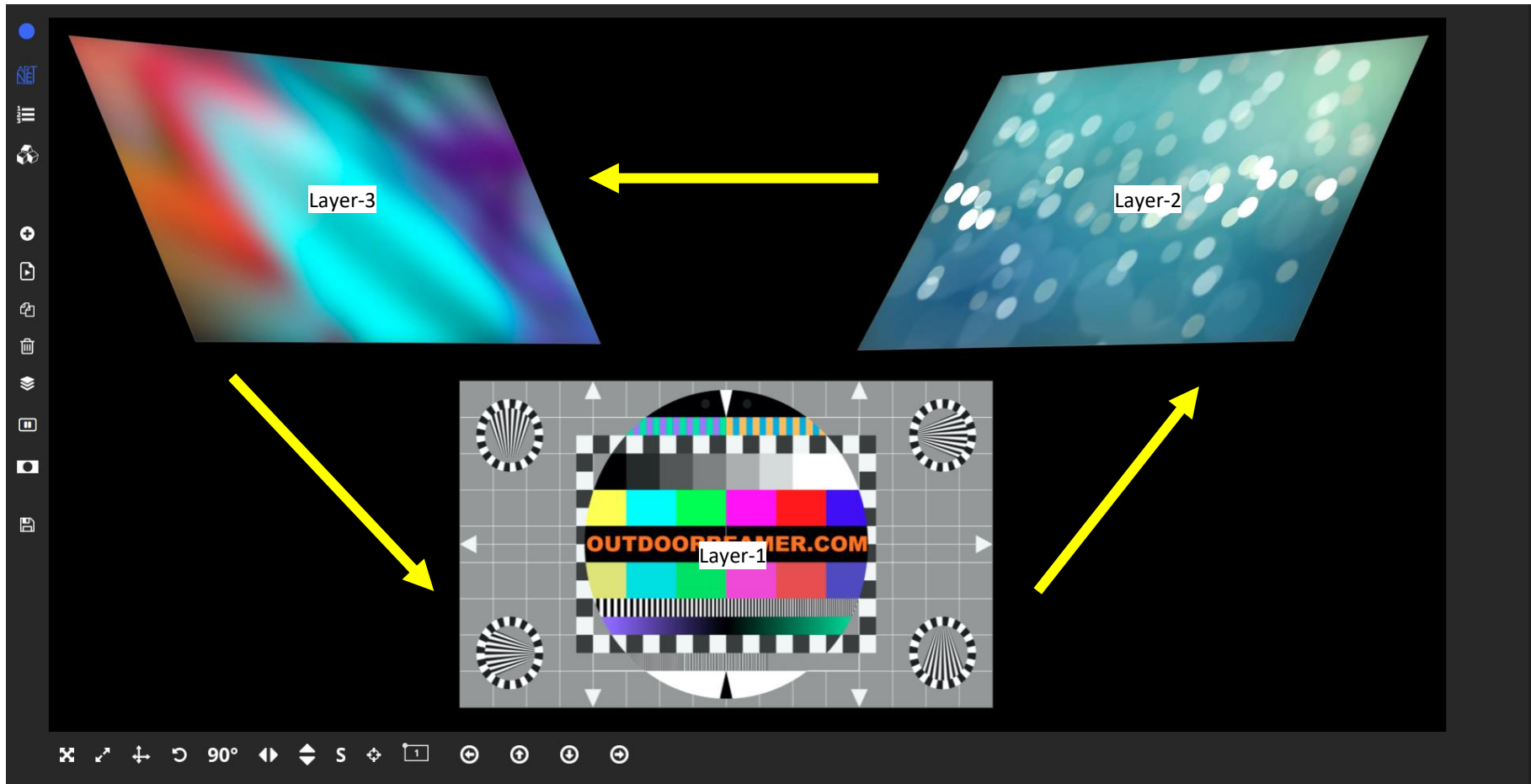
*The Config folder is created automatically by the PROmapr when the first project is created. If you have placed a Projectors.txt file in the folder, restart the PROmapr® so that the file is read into the system. If you have problems creating the TXT file, please contact our service team.



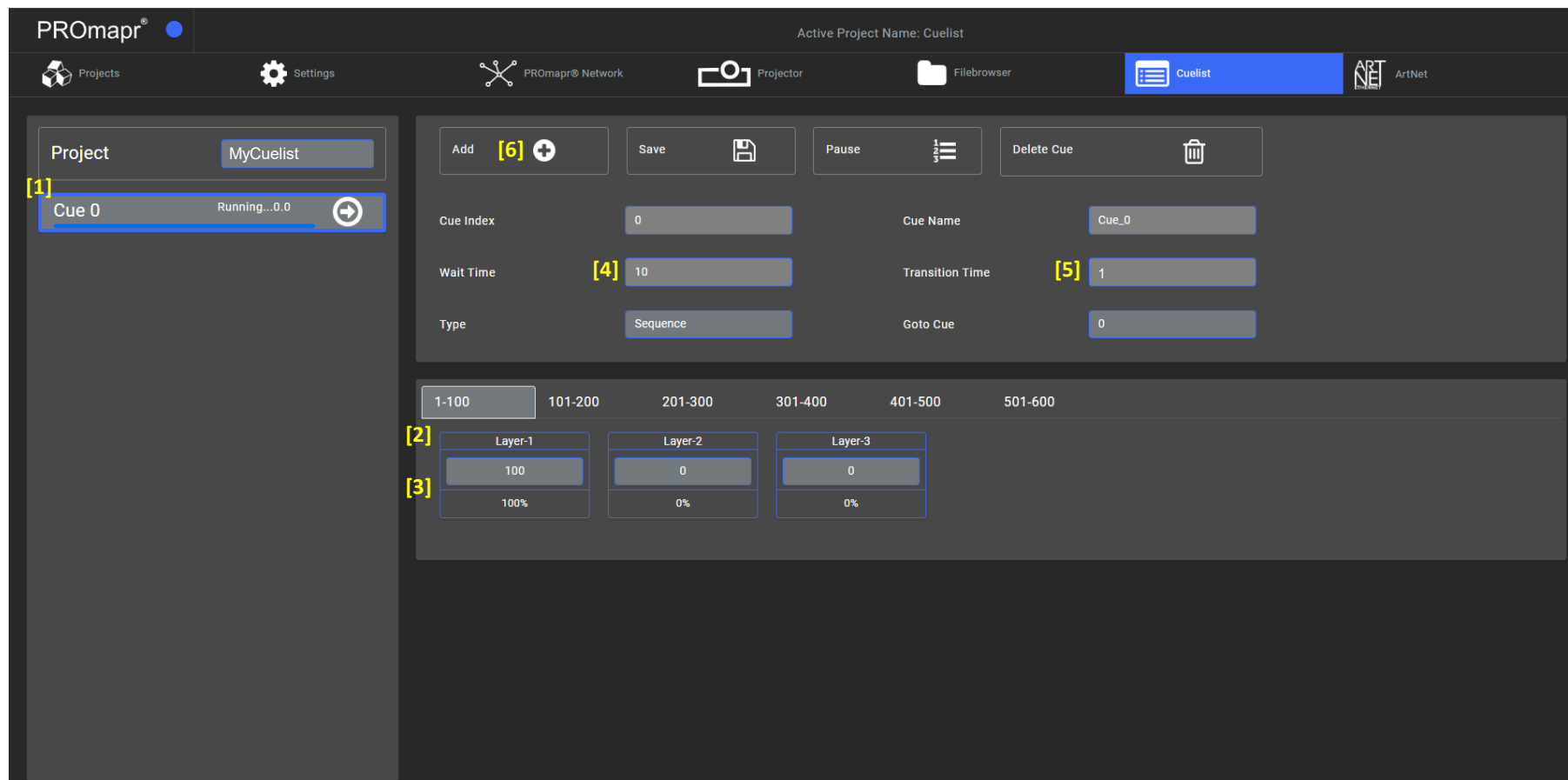
The cuelist is an area where you can dynamically switch the layers in your project on and off or even fade them in and out in a time-controlled way.

You can edit the cuelist later after you have completed your project.

On the next page, we show you a project in which we have inserted three layers. These should then be faded in and out one after another.

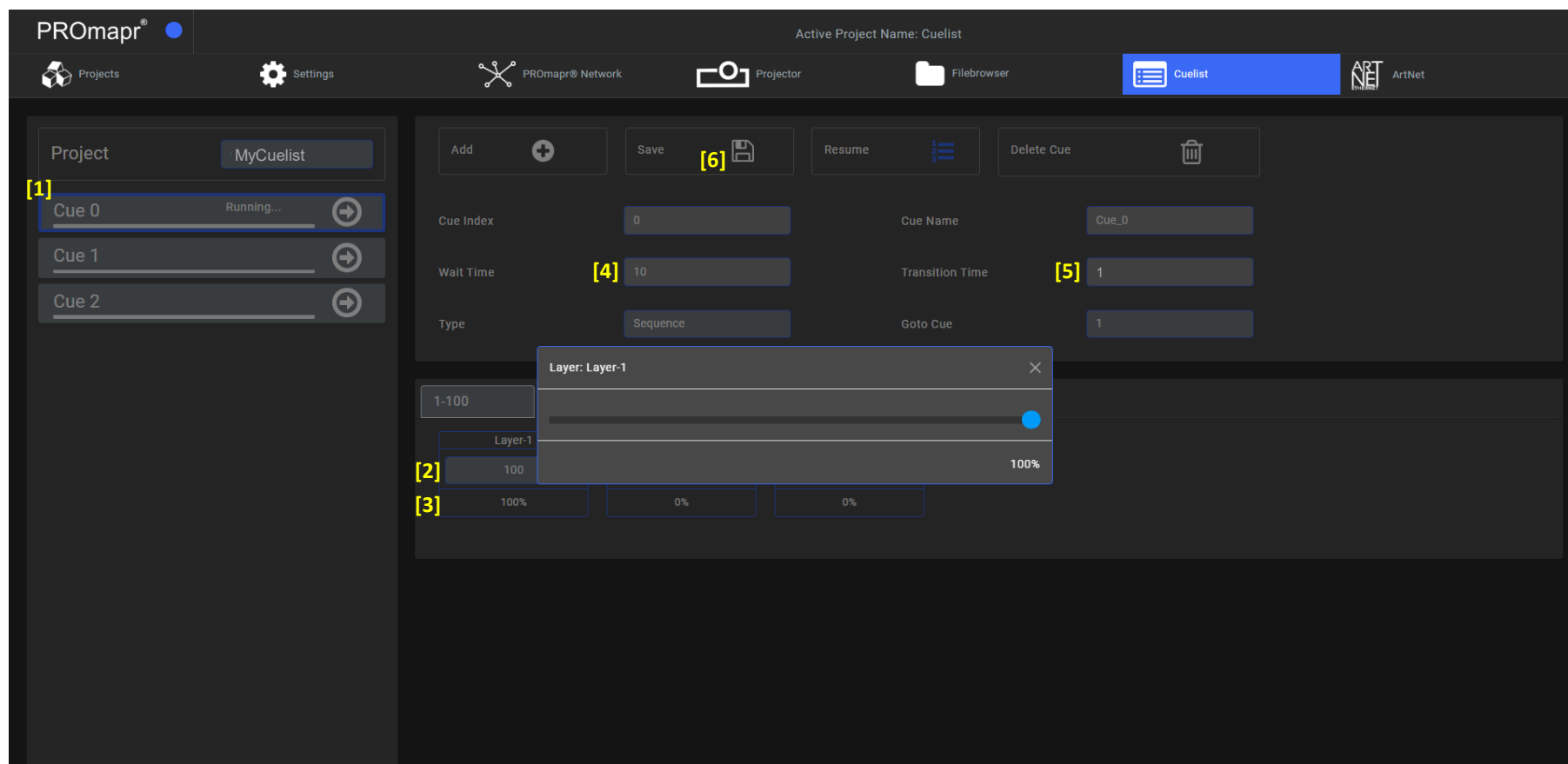


Here you can see an overview of how we inserted three layers into our MyCuelist project. The layers are intended to fade in and out one after another. The arrangement was chosen at random. The order in which the individual layers are to be faded in and out is as follows:
Layer-1 -> Layer-2 -> Layer-3 -> and back to Layer-1.



In the cuelist editor, the list of inserted cues is on the left [1]. Above the list, under **Project**, you can see which project you are currently editing. In the middle, you see the table of layer tiles with the available layers [2] of your project. In our case, the project has layers 1-3. For these layers, you can set the transparency values [3] in each cue and save them per cue with a wait time [4] and a transition time [5]. To edit, add a cue to your cuelist using [6]. Add only one cue per editing process. Before editing, activate the cue by clicking it. The cue is outlined in BLUE.

Continued on the next page.



Now set the transparency for your selected cue [1]. Click the % values of the layer tile. You can enter the % value numerically.

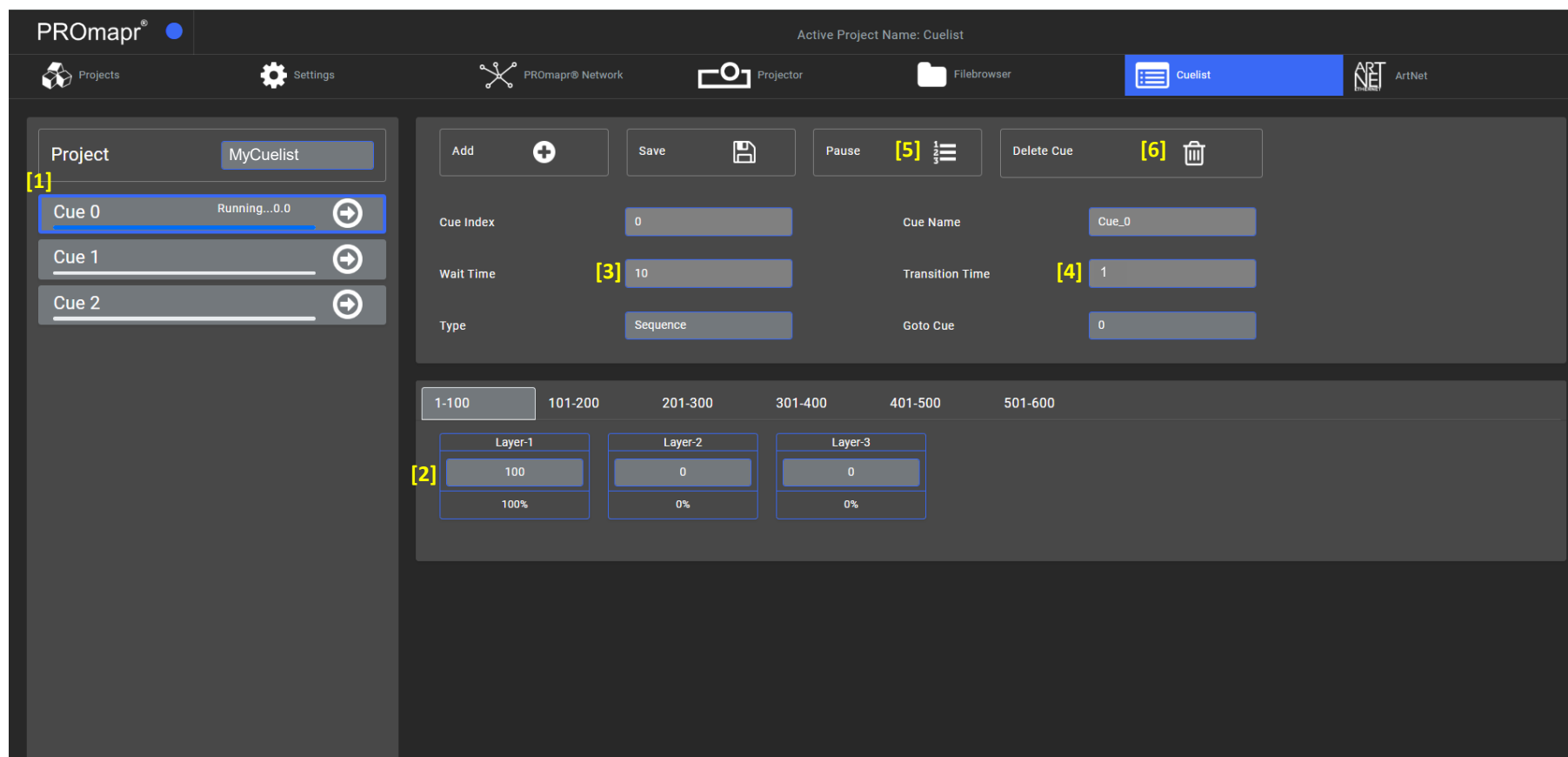
To do this, click the numeric value in the middle of the layer tile [2]. If you prefer to set the value using a slider, click 100% in the lower area of the layer tile [3].

You can repeat this with all layers until all transparency values for cue 1 are correct.

For cue 1, set the wait time [4] and transition time [5] if you have not already done so. Then save the cue using [6].

Repeat this process until you have inserted and edited all cues.

Continued on the next page.



For our **MyCueList** project, we inserted a total of 3 cues [1]. In each cue, only one layer is saved at 100%, while the other layers are saved at 0% [2]. For all cues, we set a wait time [3] of 10 seconds and a transition time [4] of 1 second.

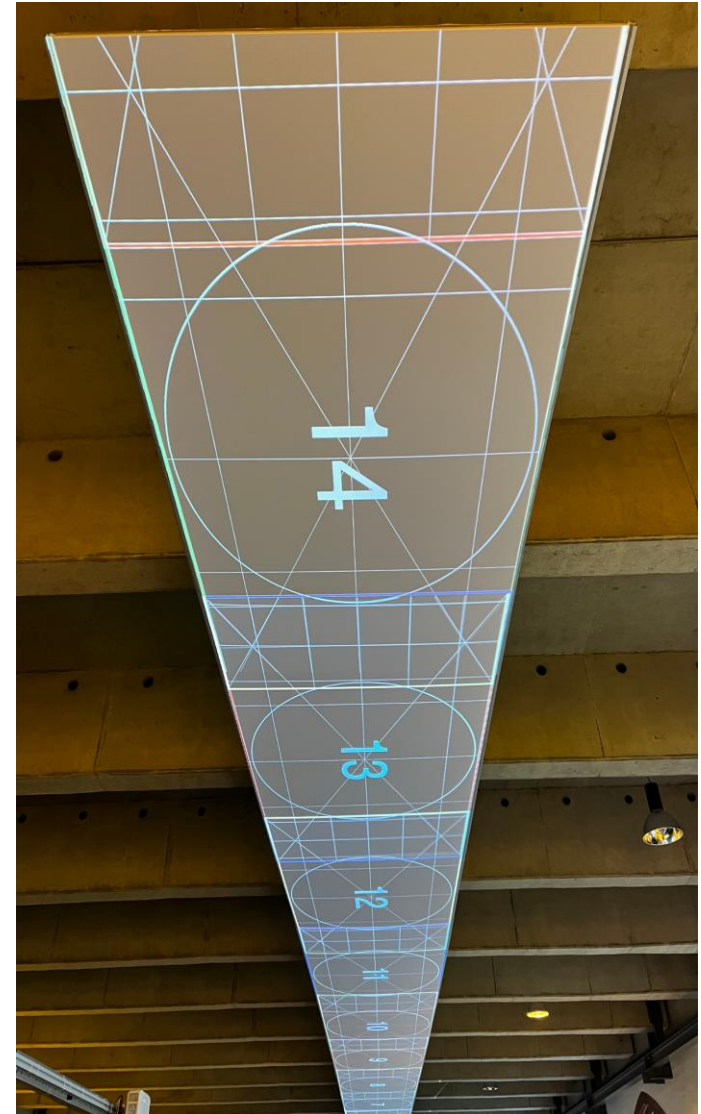
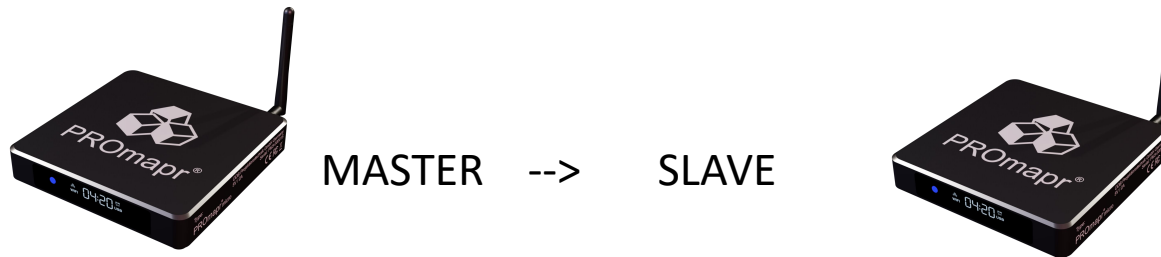
The cueлист only starts when you return to the project list after the last save process and restart the **MyCueList** project by clicking it.

If you want to edit your cueлист later, you can also pause it with  [5]. You can delete cues with  [6].

If you want to completely delete the cueлист of your project, you can find it in the project folder of your project. There you will find the cueлист under the name CueList.txt. After deleting the CueList.txt file, the former transparency values of your project will be restored after restarting the PROmapr®.



If you want to use several PROmapr® units at the same time, you can easily synchronize them with each other. This ensures that content runs absolutely frame-synchronously on multiple displays or projectors. Perfect for larger installations, multi-channel projections or impressive panorama setups. In this section, we show you how to connect several PROmapr® units and operate them synchronously.



To prepare your PROmapr® for synchronous operation, make sure that all devices are connected to the same wired network (LAN). In **Settings**, switch Sync [1] to ON in the **A/V Settings** area for each of your PROmapr® units. Define which PROmapr® is the master [2] and which PROmapr® units are the slaves [2]. You can operate up to 10 master/slave groups [3] in one network. For the slaves, you can set the synchronization accuracy in 4 levels from Low to High [4]. As always, save all settings with **[Apply Setup]**. **A reboot of all PROmapr® units is mandatory after these settings!**

To synchronize projects, give the project to be synchronized the same name on every PROmapr®. For synchronizing video content, preferably use Layer-1.



When operating several PROmapr® units synchronously, the PROmapr® Network  function helps you quickly find and operate all units located in the network. This saves you from constantly entering IP addresses in the browser. You can also immediately see which devices are masters and which are slaves.

The PROmapr® is designed as a reliable media player for projection mapping and digital signage. Nevertheless, as with any technical solution, occasional faults may occur during operation, for example due to external influences, network problems, incorrect configurations or incomplete content data. This guide helps you systematically identify typical sources of error and resolve them quickly. The aim is to minimize downtime and quickly restore the operational readiness of your PROmapr®.

Practical experience has shown that many apparent problems when operating the PROmapr® are not caused by the device itself, but by an insufficient or unstable network environment. Unstable Wi-Fi connections, incorrectly configured routers, duplicate or incorrect IP addresses, or restricted network shares can impair communication and lead to delays or connection interruptions.

Excessive network traffic, for example from parallel data transfers, streaming, backups or other bandwidth-intensive applications, can also significantly affect performance and worsen the response time of the PROmapr®.

For smooth operation, we therefore recommend a stable, correctly configured network with a clear IP structure, sufficient signal strength and as little competing data traffic as possible.

Malfunction	Condition	Possible Cause / Solution
PROmapr® won't start	No video output, web control is unavailable, display shows nothing.	Check the power source; if using USB power, check which device is providing the power. Turn off ECO mode, for example, on projectors.
PROmapr® starts up slowly (with a delay)	Slower startup sequence; projects take longer to load	Check the SD/USB storage; slow flash memory can affect the startup process and loading times.
PROmapr® does not launch completely.	PROmapr® freezes on a white screen or starts up but then freezes on a static image. Boot loop—it keeps restarting over and over.	Test whether the device starts up without a storage medium. Check the SD card or USB storage, then perform a firmware data reset. Settings > Service > FW Data Reset
Web control is very slow	Input on the web interface is significantly delayed. Operations in the mapping board have high latency. Save operations fail. File uploads fail.	Check network connections. (LAN/Wi-Fi) Check cable quality. Check the network for excessive data traffic. Check firewall settings.
Web Control does not display all functions	Toolbars are not visible in the mapping board; labels are not fully visible.	Check the web browser's full-screen/zoom settings.Reduce the zoom level, for example, to 90% or 85%.Reload the web browser.

Malfunction	Condition	Possible Cause / Solution
Web control is unavailable.	The browser does not load the home page; the loading process aborts with an error message.	Check whether PROmapr® is turned on. Check the network connection (LAN/Wi-Fi). Check the network settings. Check the firewall settings.
PROmapr® is experiencing irregular, undefined malfunctions.	Slow web interface; saving operations are sluggish; individual functions freeze for no apparent reason.	Corrupted data in the internal firmware memory. Perform a firmware data reset. Settings > Service > FW Data Reset
Video files stutter.	Video stutters; video freezes.	Video file has too high a bitrate; reduce the bitrate. Video has too high a resolution; reduce the resolution. Too many files are being played simultaneously.
Video files pause.	Video files always stop at the same point after a certain amount of time.	Video file exceeds the maximum storage size of 1.4 GB. Split the video file. Use a layer playlist.
Synchronization is not accurate.	PROmapr® slaves do not synchronize accurately; synchronization is too slow or imprecise.	Set a higher sync level; video files with too high a bitrate—reduce the bitrate. Reduce additional network traffic.
Layers are displayed incompletely.	Layer content is displayed incompletely or only partially.	Permissible layer resolution exceeded; graphics memory full. Reduce content resolution. See Technical Data, Operating Limits.
Layer positions are not saved correctly.	Layer position, rotation, and mirroring are not saved correctly.	Storage process interrupted due to excessive data traffic. Repeat the process; reduce data traffic if necessary.
Video files stutter after a prolonged period.	Video files begin to stutter only after prolonged use; the PROmapr® responds more slowly after prolonged use.	The PROmapr® CPU/GPU is operating at its limit. The system clock is being throttled due to overheating. Reduce the load!

Faults can have different causes, which are often also related to the respective operating environment. Many of these problems can only be clearly narrowed down as part of a detailed analysis. Since not all external influences can be reproduced in our test environment, it is not possible for us to consider every potential fault in advance.

Troubleshooting therefore serves as initial guidance and support.

If problems cannot be resolved, our PROmapr® team will be happy to assist you at any time.

