

Circuit Planner for Event Technology

User Manual

About this manual

This manual describes the complete operation of the **Circuit Planner for Event Technology** (*Schaltungs-Planer für Eventtechnik*) — from signing in and drawing a schematic through to export, sharing and collaboration.

It is written to be read from start to finish as well as used for looking things up. Every cross-reference in the text is a hyperlink: one click jumps straight to the section named. The same applies to the [table of contents](#) and to the [list of messages](#) in the appendix.

Quick start: To simply draw a plan, read [Signing in](#), [Dashboard](#), [The editor at a glance](#), [Placing modules](#) and [Connecting](#) — that is enough for a first complete schematic.

Language versions: This manual is available in German and English (*Bedienungsanleitung_Schaltungsplaner_DE* / *User_Manual_Schaltungsplaner_EN*), each as a Word and a PDF file, and as online help inside the application (the “?” button).

Note on the interface language: This manual describes the English interface. The screenshots still show the German interface; the layout is identical in both languages. Switch the interface language in [Settings](#) → **Language** or with the **DE / EN** switch in the editor [toolbar](#).

Table of contents

1. [Introduction](#)
 2. [Signing in](#)
 3. [Dashboard](#)
 4. [The editor at a glance](#)
 5. [Placing and editing modules](#)
 6. [Connecting — drawing and routing cables](#)
 7. [Areas and text fields](#)
 8. [Module editor and module library](#)
 9. [Importing material, pack and plan lists](#)
 10. [Lists — pack list and connection list](#)
 11. [Export](#)
 12. [Sharing and collaborating](#)
 13. [Settings](#)
 14. [Public view](#)
 15. [Roles and permissions](#)
 16. [Keyboard shortcuts and mouse gestures](#)
 17. [Frequently asked questions and troubleshooting](#)
 18. [Appendix A: Cable types](#)
 19. [Appendix B: Categories](#)
 20. [Appendix C: Built-in modules](#)
 21. [Appendix D: Messages in plain language](#)
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1. Introduction

1.1 What the Circuit Planner does

The Circuit Planner is a pure web application for drawing signal and power schematics in event technology. Devices are placed on a canvas as **modules** with named inputs and outputs and are joined by **cables**. From the finished plan the application produces a [pack list](#) and a [connection list](#) as well as [exports](#) as image, vector, PDF or CAD file.

Core capabilities:

Area	What you can do	Chapter
Planning	Place modules from a library, snapping grid, zoom and pan	4 , 5
Connecting	Right-angled cable routing, waypoints, line hops, cable types	6
Structuring	Coloured areas, text fields with images	7
Own devices	Module editor with live preview, personal library	8
Taking over data	Import of material lists (CSV/XLSX/DOCX/PDF/XML/JSON) and plans (DXF/MVR)	9
Evaluating	Pack list, connection list, CSV and PDF output	10
Handing on	PNG, JPG, SVG, PDF, DXF, MVR	11
Working together	Share links with roles, presence display	12
Adapting	Appearance, accessibility, cable types, categories, autosave	13

1.2 System requirements

- A current browser (Chrome, Edge, Firefox or Safari) with JavaScript enabled.
- A working network connection to the server. The planner is a pure website and does **not** work offline — all project data is held on the server.
- An account in the **PM Suite**; sign-in and licensing run exclusively through it (see [Signing in](#)).

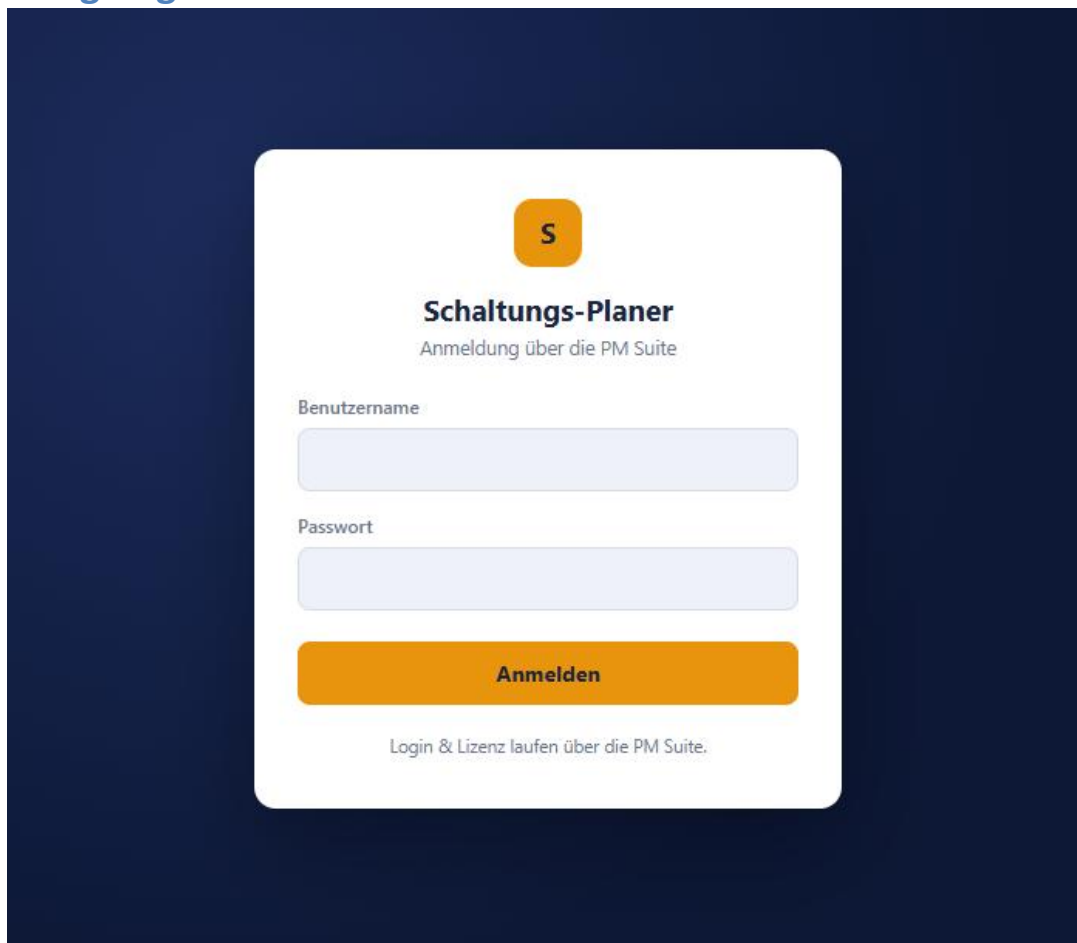
1.3 Structure of the interface

The application consists of these pages, reachable from the header bar or the user menu:

Page	File	Purpose
Sign-in	<code>login.html</code>	Signing in through the PM Suite
Dashboard	<code>dashboard.html</code>	Project overview , metrics, shared items
Editor	<code>index.html</code>	Drawing the plan
Module library	<code>module-editor.html</code>	Managing your own modules
Settings	<code>settings.html</code>	Personal settings
Help	<code>help.html</code>	This manual as online help
Public view	<code>public.html</code>	Share link without sign-in
Status	<code>status.html</code>	Licence and session information
Legal notice, terms of use, privacy	<code>impressum.html</code> ,	Legal information, linked at the

Page	File	Purpose
policy	nutzungsbedingungen.html, datenschutz.html	foot of the dashboard

2. Signing in



Sign-in page with user name, password and a note about the PM Suite connection

2.1 Signing in

1. Open `login.html` in the browser.
2. Enter **Username** and **Password**.
3. Click “**Log in**”.

After a successful sign-in you land on the [dashboard](#). If a valid session already exists, the sign-in page forwards you immediately without asking again.

Sign-in and licensing run through the PM Suite. You receive your user name and password from whoever manages your access — no accounts are created inside the planner itself. Your [account type](#) is shown on the [status page](#).

Do not pass your credentials on. Access is personal. To work on a plan with others, invite them in the planner or create a [share link](#) — see [Sharing](#).

2.2 Session, validity and signing out

- A session is valid for **12 hours**; after that you have to sign in again.
- Protected pages verify the session before displaying anything at all. Without a valid session you are redirected to the sign-in page immediately — protected content never flashes up briefly.

- **Signing out** works in two ways: the “**Log out**” button in the dashboard header, or the user menu (click your avatar at the top right) → “ **Log out**”.

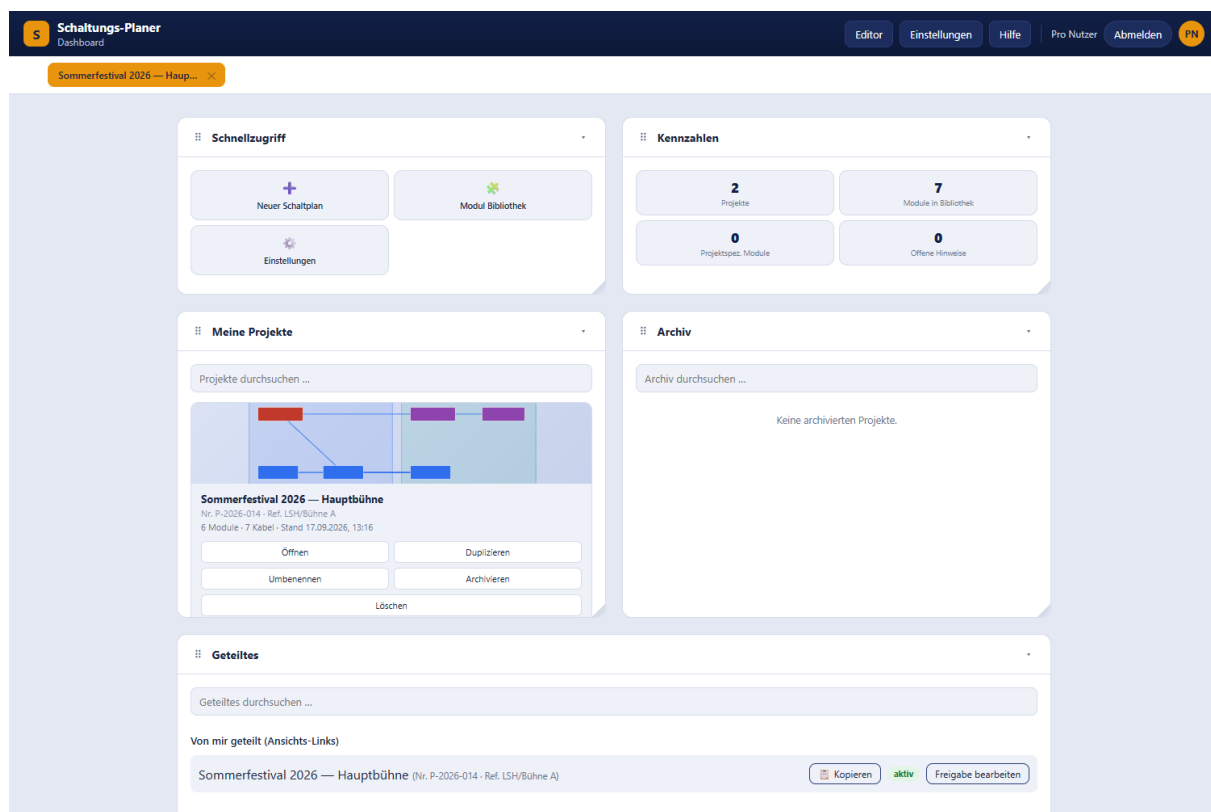
2.3 Sign-in messages

These messages come from the server and are still shown in German.

Message	Meaning	Remedy
“Anmeldedaten ungültig ...” (invalid credentials)	Wrong user name or password	Check the entry, mind upper and lower case
“Benutzername und Passwort erforderlich.” (user name and password required)	A field was empty	Fill in both fields
“Keine gültige PM-Suite-Lizenz.” (no valid PM Suite licence)	Licence status is not active	Check the licence in the PM Suite, see status page

3. Dashboard

The dashboard is the start page after [signing in](#). It shows all your projects, key figures and everything that has been shared.



Dashboard with the widgets Quick access, Key figures, My projects, Archive and Shared

3.1 Header bar

Element	Effect
Editor	Opens the most recently edited project. Only appears if there is one.
Settings	Opens the settings .
Help	Opens the online version of this manual.

Element	Effect
Avatar	Opens the user menu .
Log out	Ends the session.

3.2 Open tabs

Below the header sits a tab strip listing the projects most recently opened in the [editor](#) (up to ten). A click reopens the project; the “X” only removes the tab — the project itself is untouched. The strip is stored locally in the browser only.

3.3 Arranging widgets

All dashboard tiles are widgets in a twelve-column grid:

- **Move:** drag the “⋮” handle.
- **Resize:** drag the handle at the bottom right.
- **Collapse/expand:** click “▼”.

The layout is stored locally in the browser. A preset arrangement applies at first; every change of your own overrides it field by field.

3.4 Widget “Quick access”

Button	Effect
 New diagram	Creates a new project (see 3.6).
 Module library	Opens the module library .
 Settings	Opens the settings .

3.5 Widget “Key figures”

Tile	Meaning
Projects	Number of all your projects, archived ones included.
Modules in library	Number of library modules visible to your account.
Project modules	Total of project-specific module assignments across all your projects (created for instance by import).
Open notices	Placeholder for future notices; currently fixed at 0.

3.6 Creating, opening and managing projects

The “**My projects**” widget shows one card per project with a thumbnail, name, project number, internal reference and the line “N modules · M cables · Updated ...”.

Action	Step	Effect
Create	“  New diagram ”	Dialogue with Project name , Project number and Internal reference ; creates an empty project.
Open	“ Open ” or double-click the card	Opens the project in the editor .
Duplicate	“ Duplicate ”	Immediately creates a copy with the suffix “ (Kopie)” (added by the server, in German); number and reference are carried over.
Rename	“ Rename ”	Dialogue “Edit project” with name, project number and internal reference.

Action	Step	Effect
Archive	“Archive”	Moves the project into the “Archive” widget.
Delete	“Delete”	Confirmation “Delete project”; deletes permanently, including all share links.

The search fields filter by name, project number and internal reference. Sorting is always by modification date, most recently changed first.

3.7 Widget “Archive”

Archived projects appear here with the actions **“Open”**, **“Restore”** (returns the project to “My projects”) and **“Delete”**.

3.8 Widget “Shared”

Two sections:

- **“Shared with me”** — projects you have been invited to, each with the assigned [role](#) and an **“Open”** button.
- **“Shared by me (view links)”** — all [share links](#) you have created, with the status **active**, **expired** or **revoked**. Via **“Edit share link”** you can change the role, expiry date and password or delete the share — identical to the [sharing dialogue](#) in the editor. **“Show QR code”** and **“ Copy”** are available here too.

3.9 User menu

Clicking your avatar at the top right opens the menu:

Entry	Effect
 Back to dashboard	Only visible outside the dashboard.
 Open profile	Opens the PM Suite profile in a new tab.
 Status	Opens the status page .
 Log out	Ends the session.

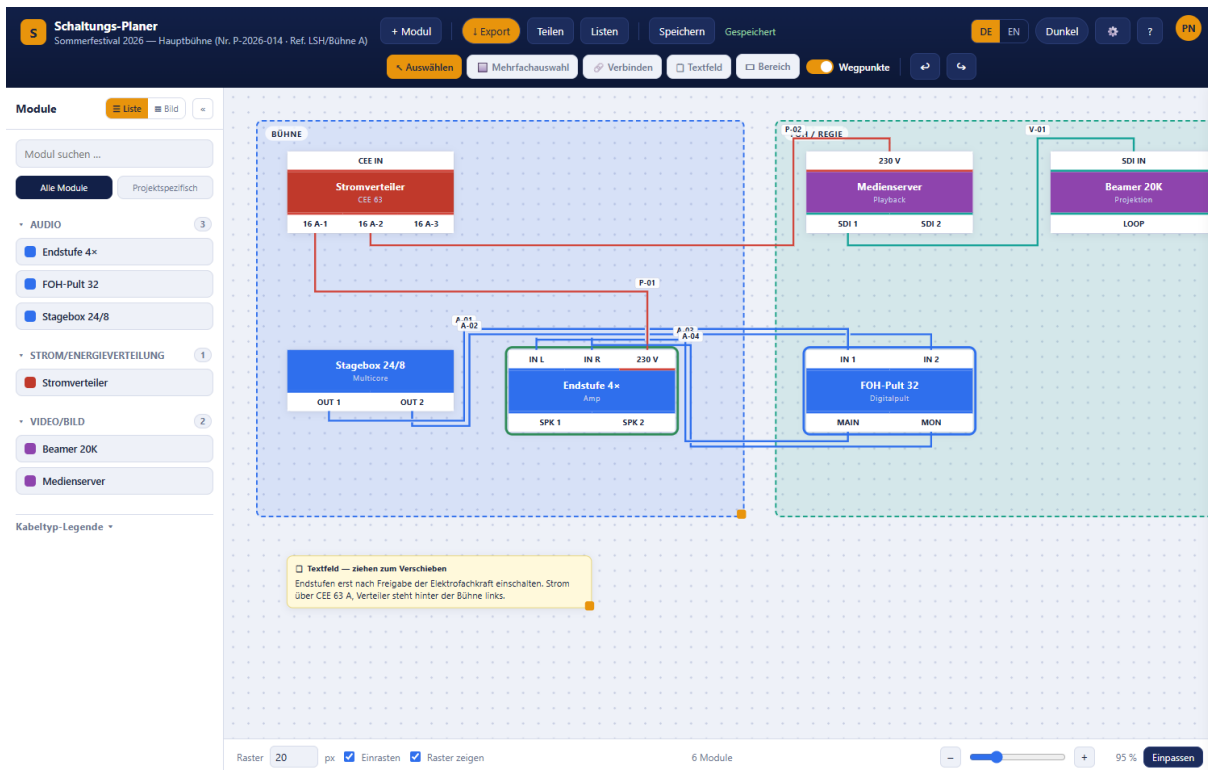
3.10 Version banner

When a new version of the planner has been installed, the banner **“ New version available.”** appears with the buttons **“Later”** (hide the banner) and **“Update now”** (saves and reloads the page).

Only signed-in people whose session started with the previous version see the banner. Anyone who signs in after the update already works with the new version and gets no notice; the banner never appears on the [public view](#) or before signing in. After **“Update now”** it stays hidden for that version.

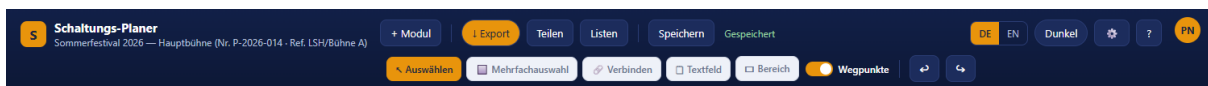
4. The editor at a glance

The editor is the actual drawing surface. It consists of the [toolbar](#) at the top, the [module panel](#) on the left, the [canvas](#) in the middle and the [canvas bar](#) at the bottom.



Editor with toolbar, module panel, canvas and a finished example plan

4.1 Toolbar



Toolbar of the editor

Button	Effect	Chapter
Select	Select and move modules; dragging on empty canvas pans the view.	5.2
Multi-select	Drag a frame around several modules.	5.3
Connect	Draw cables between inputs and outputs.	6
Text field	Create a text field on the canvas.	7.2
Area	Drag out a coloured area.	7.1
Waypoints	Shows or hides the handles on cables. The routing itself is kept either way. Default: on.	6.4
Undo / Redo	Undo and redo.	4.5
+ Module	Opens the module editor and places the new module directly in the plan.	8
Import	Opens the import chooser . Currently not visible for every account, see 9.	9
↓ Export	Opens the export dialogue .	11
Share	Opens sharing and collaboration .	12
Lists	Opens pack list and connection	10

Button	Effect	Chapter
	list .	
Save	Saves immediately without waiting for autosave.	4.4
Status display	Shows “Saved”, “Saving ...” or “Error while saving”.	4.4
DE / EN	Switches the interface language. The choice applies to every page and is stored as a setting .	13.2
Dark / Light	Switches the colour scheme.	13.1
	Opens the settings .	13
?	Opens the online help.	—
Avatar	Opens the user menu .	3.9

The top left shows the project name, project number and internal reference — the same text also appears in the browser tab. **DE / EN**, **Dark / Light**,  and **?** sit right-aligned, directly to the left of the avatar.

4.2 Module panel



Module panel with search, scope switch and modules grouped by category

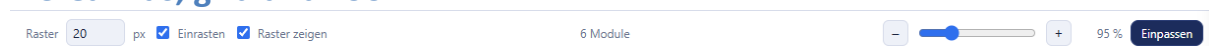
Element	Effect
≡ List /  Grid	Switches between list and tile view. In tile view the photo stored in the module editor is used as the tile background.
« / »	Collapses or expands the panel.
“Search modules ...”	Filters live by module title and category.

Element	Effect
All modules	Shows the whole visible library .
Project-specific	Shows only modules already used in or assigned to this project — for instance after an import .
Category headers	A click folds a category open or shut; the number on the right gives the module count.
Cable type legend ▼	Shows the colour legend of all cable types .
AES/EBU Art-Net/sACN BNC Bluetooth CEE 16A CEE 32A CEE 63A Cat/RJ45/etherCON Cinch DMX (3-polig) DMX (5-polig) Dante DisplayPort Funk (allgemein) Funk 2,4 GHz Funk 5 GHz HDMI Infrarot Klinke/Jack (Mono) Klinke/Jack (Stereo/TRS) LWL/opticalCON MADI Phoenix-/Schraubklemme SDI Schuko Speakon USB VGA XLR powerCON/TRUE1	

Cable type legend in the module panel

If the panel is empty you will see either “No modules found.” or “No project-specific modules yet — place modules or import a pack list.”

4.3 Canvas, grid and zoom



Bar at the bottom edge with grid size, snapping, grid display, module counter and zoom

Control	Default	Effect
Grid (in px)	20	Spacing of the snapping grid, 5 to 200 px in steps of 5.
Snap	on	Positions snap to the grid. Switched off, positioning is pixel-exact.
Show grid	on	Shows or hides the grid dots. This does not affect snapping.
Module counter	—	Shows the number of placed modules.

Control	Default	Effect
- / slider / +	100 %	Zoom between 25 % and 300 %.
Fit	—	Zooms and pans so the entire plan is visible.

Further gestures:

- The **mouse wheel** zooms continuously; the point under the cursor stays put.
- **Dragging with the middle mouse button** pans the view.
- **Dragging with the left mouse button on empty canvas** pans as well, provided the “**↖ Select**” tool is active.
- The **first** time a project is opened the editor fits the view automatically. After that the last saved zoom applies.
- The canvas grows with its content; it is at least 4000 × 3000 px.

4.4 Saving and autosave

The planner saves by itself. How it does so is governed by the [autosave setting](#):

- **After every change** (default): about a second after the last change.
- **At interval**: every 1 to 60 minutes, 5 minutes by default.

The display next to “**Save**” shows the current state. If it reads “**Error while saving**”, the state was *not* saved — usually because of a broken connection or missing edit rights. Check the connection and click “**Save**” again; only close the window afterwards.

Note: When several people edit at once, the planner merges their changes on saving. See [Collaborating](#).

4.5 Undo and redo

- **↶ Undo** — Ctrl+Z
- **↷ Redo** — Ctrl+Y or Ctrl+Shift+Z

All plan changes are covered: placing, moving, deleting and duplicating modules, cables and waypoints, areas and text fields, grid size, zoom and colour scheme. Up to **100 steps** are available. Changes in quick succession — typing in a text field, for example — are merged into a single step.

Undo and redo only affect **your own** steps. Changes that other people have saved in the meantime are kept.

While you are typing in an input field the shortcuts do not apply; normal browser text editing takes over there.

5. Placing and editing modules

5.1 Placing modules

Two ways from the [module panel](#):

1. **Drag and drop**: drag a module from the panel to the desired spot on the canvas.
2. **Double-click** an entry in the panel: the module appears near the centre of the screen.

A device that does not exist yet is created with “**+ Module**” — see [module editor](#).

5.2 Selecting and moving

- **Select**: click a module. The cables attached to it are highlighted, all others dimmed.

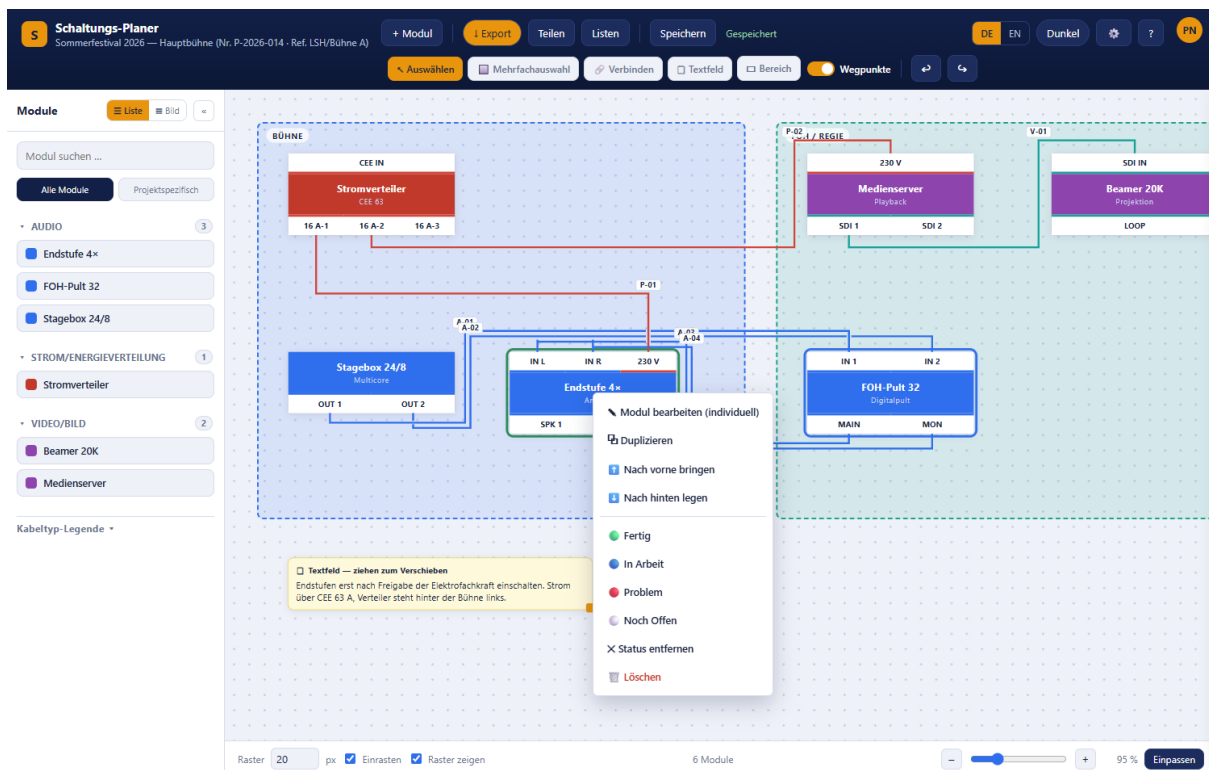
- **Move:** drag the module with the left mouse button held down. Cables follow live.
- **Deselect:** Esc or a click on empty canvas.

5.3 Multiple selection

- Activate “ **Multi-select**” and drag a frame. Every module the frame **touches** is selected; it does not have to be fully enclosed. On release the tool automatically switches back to “ **Select**” and the selection is kept.
- Holding Shift or Ctrl makes the frame extend an existing selection instead of replacing it.
- Shift- or Ctrl-clicking a single module adds it to the selection or removes it.
- Ctrl+A selects all modules.
- Dragging one selected module moves **all** selected ones together.
- Del deletes all selected modules together with their cables.

5.4 Module context menu

Right-clicking a module (long press on touch devices) opens the context menu.



Module context menu with editing, duplicating, layering and status entries

Entry	Effect
 Edit module (individually)	Opens the module editor with a private copy — see 5.6 .
 Duplicate	Creates a second placement of the same module, offset by 30 px.
 Bring to front	Puts the module in front of all others.
 Send to back	Puts it behind all others.
 Done /  In progress /  Problem /  Still open	Sets the work status .
 Remove status	Only shown when a status is already set.
 Show photos	Only shown when the module has at least one photo (see the module editor) — opens a full-screen gallery with previous/next navigation. Also appears

Entry	Effect
	for pure viewers of a share link , who otherwise see no context menu at all.
 Delete	Deletes exactly this module and its cables.

Careful: “ **Delete**” in the context menu deletes only the module you right-clicked — not an existing [multiple selection](#). For several modules use the Del key.

5.5 Setting the work status

Modules and cables can carry an assembly status, shown as a coloured halo:

Status	Colour	Typical meaning
 Done	green	Wired and checked
 In progress	blue	Currently being set up
 Problem	red	Faulty, missing or open question
 Still open	grey	Not started yet

The status may also be set by people with the **Technician** role, who otherwise cannot change the plan — see [roles and permissions](#).

5.6 Adapting a single module individually

Every placement of a module refers to the **same** library entry. To change an already placed device without affecting all other occurrences, use “ **Edit module (individually)**”:

1. The [module editor](#) opens with a copy of the module data.
2. The title automatically receives a variant number, for example “Stromverteiler (2)”.
3. Saving via “**Save individually**” creates a **new** library module and only the edited node is switched over to it.

Other placements of the original module — in other projects too — stay unchanged. Over a public [share link](#) this entry is not available, because it requires a signed-in session.

5.7 Free limits

The **Free** account type has the following limits:

Limit	Value
Own diagrams in use	1
Own diagrams in the archive	1
Modules per project	10
Areas per project	2

When a limit is reached the notice “Free limit reached” appears. To create a new diagram (also by **duplicating** or **restoring** one from the archive), archive or delete the existing one first; if the archive is occupied, delete the archived diagram before archiving the next one. Diagrams that others share with you do not count. Existing diagrams are kept even if there are more than allowed — only creating further ones is blocked. For modules and areas, what counts is always the account type of the **project owner**, not that of the person currently editing. Your own account type is shown on the [status page](#).

6. Connecting — drawing and routing cables

6.1 Creating a connection

There are two equivalent ways:

- **Click – click:** activate “ **Connect**”, click the source field (a dashed preview line follows the cursor), then click the target field.
- **Drag:** drag straight from an input or output field to the target field and release there. This works regardless of the tool currently active.

Esc cancels a connection in progress, as does switching tools.

Clicking a field that carries **exactly one** connection releases that connection so it can be redrawn immediately.

6.2 Which fields can be connected

Rule	Meaning
Different modules	Two fields of the same module cannot be connected.
Direction	One side must be an output (or a combined field), the other an input.
Same cable type	Both fields must have the same cable type .
Inputs single	An input carries at most one connection.
Outputs multiple	One output may feed several inputs.

If a connection is not allowed there is **no** text message: the field flashes red briefly. Usually the cause is a differing cable type or an input that is already taken.

6.3 Cable routing

Cables run at right angles only. They leave and enter perpendicular to the module edge and automatically route around other modules when the direct path would run through a device. Cables that would run exactly on top of each other are offset slightly so they stay distinguishable.

6.4 Waypoints

Waypoints let you determine a cable’s route by hand.

Action	Gesture
Add a waypoint	Double-click the cable — or simply grab and drag the cable at the desired spot; the waypoint is created automatically.
Move a waypoint	Drag the handle (small circle).
Delete a waypoint	Double-click the handle, or right-click → “  Delete waypoint ”.
Show/hide handles	The “ Waypoints ” switch in the toolbar .

Automatically placed corners have handles too; they have a **dashed** outline, fixed waypoints a solid one. Dragging a dashed corner turns it into a fixed waypoint — a plain click changes nothing. **Double-clicking** a dashed corner deletes the nearest fixed waypoint that forces this corner; the cable then reroutes. Positions snap to the [grid](#).

The “**Waypoints**” switch hides the handles only, not the routing — for a tidy look at the finished plan.

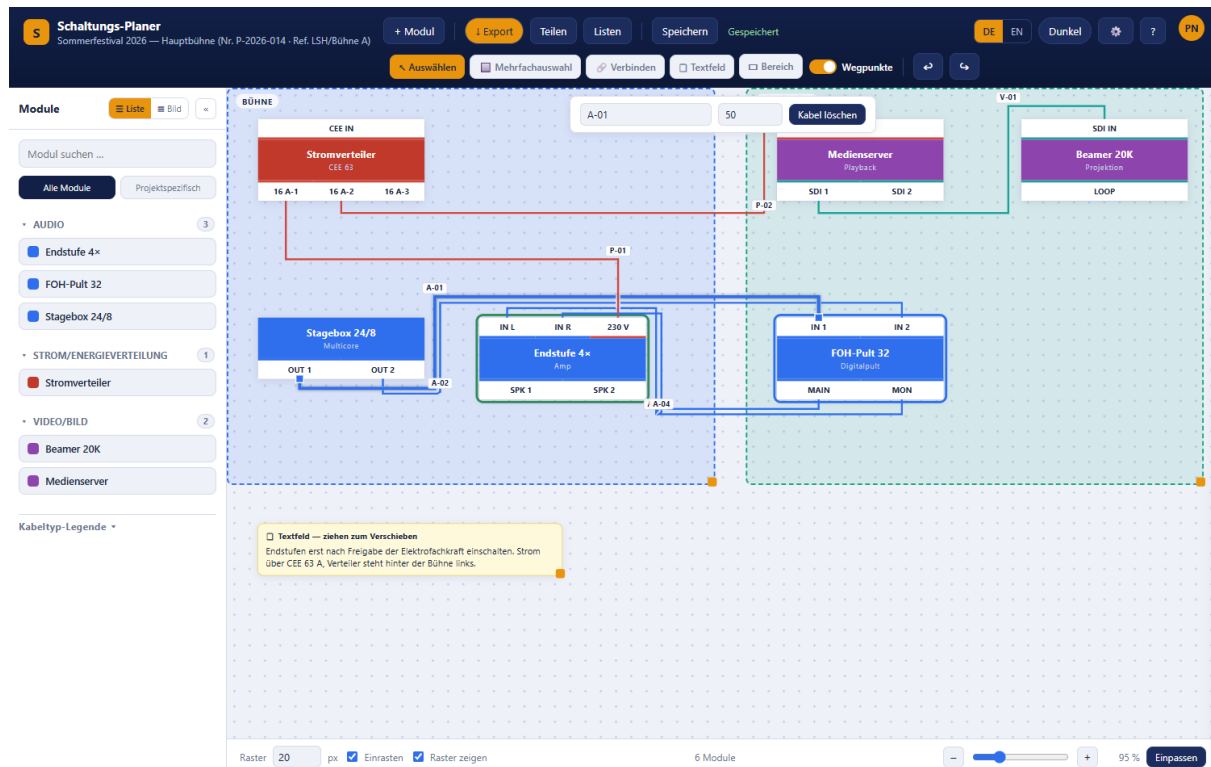
6.5 Line hops at crossings

Where two unconnected cables cross, a small gap is left automatically: the most recently edited cable “hops” over the other. The gap width follows the zoom level so it always looks the same on screen. No gap is ever placed right at a connector field.

The feature can be switched off in [settings](#) under “Line jumps at crossings”.

6.6 Selecting, labelling and deleting cables

Clicking a cable selects it and opens the cable inspector above the canvas.



Selected cable with the inspector for label and length

Element	Effect
Cable label	Free designation, for example “A-01”. Appears as a tag on the cable and in the connection list .
Length (m)	Cable length, for example “20”. Also appears in the connection list .
Delete cable	Removes the connection immediately.

Further options:

- **Right-clicking** a cable opens the context menu with “**Edit (label & length)**”, the [status entries](#) and “**Delete connection**”.
- The **label** can be dragged freely if its default position is awkward.
- While a cable is selected, square handles appear at its start and end. Dragging one of them onto another compatible field moves the cable there.

6.7 Cable types

Every input and output field carries a cable type; it determines the colour and line style of the connection and decides which fields can be connected at all. Wireless types are drawn as dashed lines.

The full list is in [Appendix A](#). Custom types are created in [settings](#).

Cable type names follow the language: with **EN** selected, the cable type legend, the connection list and the selection in the module editor show the English name where one is maintained — otherwise the German one.

For people with colour vision deficiency a colour profile can be chosen in [settings](#); cable colours then switch to a well-distinguishable palette.

7. Areas and text fields

7.1 Areas

Areas are coloured surfaces in the background used to mark zones such as “stage”, “FOH/control” or “backstage”.

Action	Step
Create	Activate “  Area ” and drag a frame. Without dragging you get an area of 240 × 160 px; the minimum size is 60 × 60 px.
Move	Drag the title bar.
Resize	Drag the handle at the bottom right.
Title and colour	Double-click the title bar or right-click → “  Edit (title & color) ”.
Duplicate	Right-click → “  Duplicate ”.
Delete	Right-click → “  Delete ”.

Areas always sit behind the modules and never get in the way. After creating one the tool switches back to “ **Select**” automatically.

The colour dialogue offers 14 predefined colours, the colours you saved most recently, and a free colour field with hex entry and a “+ **Save**” button.

7.2 Text fields

Text fields hold notes and images — for example set-up instructions, contacts or a photo of the connection situation.

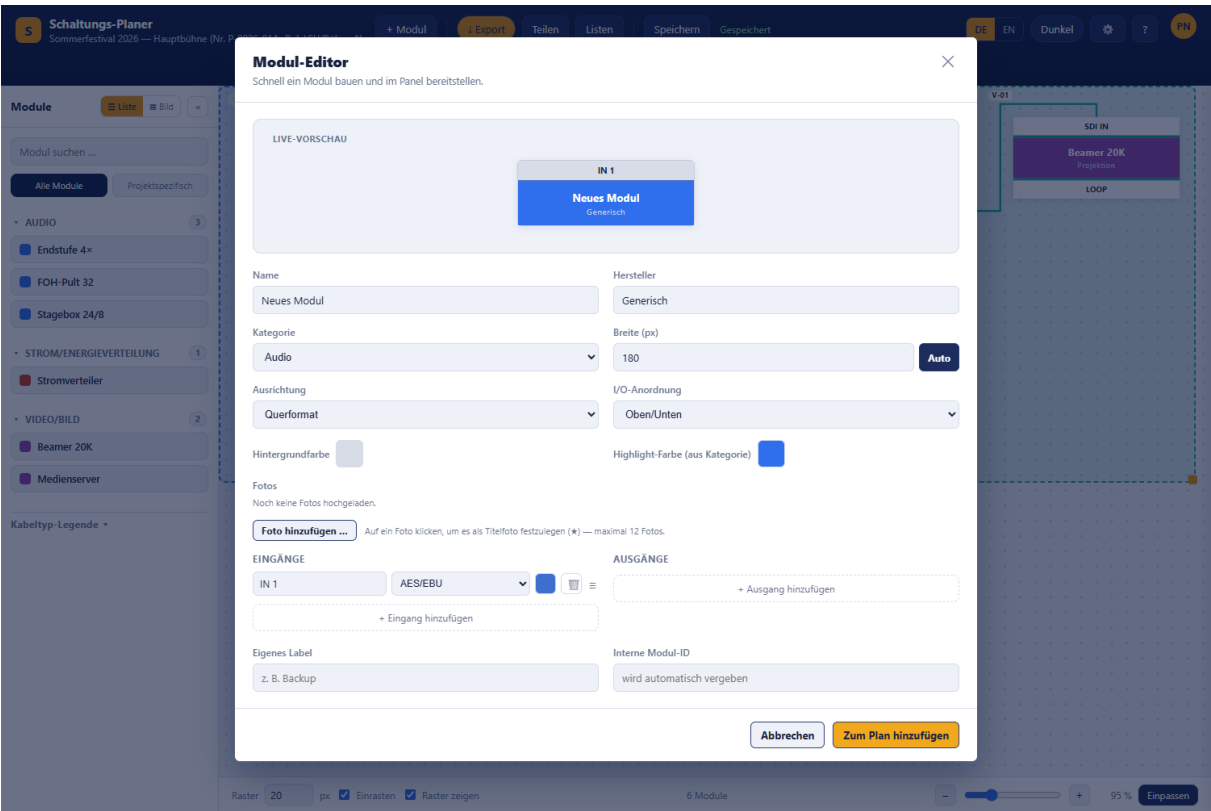
Action	Step
Create	Activate “  Text field ” and click the canvas.
Move	Drag the “  ” symbol in the title row.
Change title and text	Click into the field and type.
Change width	Drag the handle on the right. The height grows with the content automatically.
Change colour	Right-click → “  Change color ”.
Insert an image	Drag and drop an image file onto the text field.
Duplicate / delete	Right-click → “  Duplicate ” or “  Delete ”.

Permitted images: JPEG, PNG, WebP and GIF up to **8 MB**. SVG is deliberately not allowed because such files can contain their own program code. A file whose content does not match its extension is rejected — see [Appendix D](#).

8. Module editor and module library

8.1 The module editor

The module editor describes a device: name, appearance and, above all, the inputs and outputs with their cable types.



Module editor with live preview, master data and input/output rows

It can be opened in three ways:

Way	Save button	Result
+ Module in the editor	“Add to plan”	New library module, placed in the plan straight away.
+ New module in the library	“Create module”	New library module.
✎ Edit module (individually) in the context menu	“Save individually”	Private copy for this one placement, see 5.6 .

Fields

Field	Meaning
Name	Mandatory. Without a name you get “Missing information — Please enter a name.”
Manufacturer	Appears in small type under the name and in the pack list .
Category	Determines the grouping in the module panel . See Appendix B .
Width (px)	60 to 1600 px. “Auto” calculates the width so that every input and output has room for its label (widest connector × number of connectors); with “Automatic (rotate if too long)” it uses horizontal labels as long as they fit into 1600 px, otherwise

Field	Meaning
Orientation	vertical ones. If the module is wider than the dialog, the preview scrolls sideways. Landscape or Portrait .
I/O placement	Top/bottom or Left/right — where the connector fields sit.
Input/output labels	Horizontal (default), Vertical (rotated 90°) or Automatic (rotate if too long) . Vertical labels stand upright, read from bottom to top and are centred in their field — long names stay readable with many connectors instead of being cut off with "...". The row grows to the longest name (at most 140 px, beyond that it is shortened again). "Automatic" only rotates the row (inputs or outputs) in which a name does not fit horizontally. The field only appears for Landscape with Top/bottom — with Left/right and in Portrait every connector already has its own line. Also applies in the share view and in export .
Background color	Fill colour of the module body.
Highlight color (from category)	Colour of the title bar. Not freely selectable per module — it comes from the category and follows automatically whenever that category's colour is changed in Settings .
Photos	" Add photo ... " uploads multiple photos (up to 12, downscaled automatically). Clicking a photo marks it as the cover photo (★) — shown as the icon on the module node in the plan and as the tile image in the library . All photos can later be viewed as a gallery via "  Show photos " in the context menu — even by viewers of a share link.
Custom label	Free additional designation.
Internal module ID	Optional. Left empty, the system assigns an ID. The ID serves as the unique key for import .

Inputs and outputs

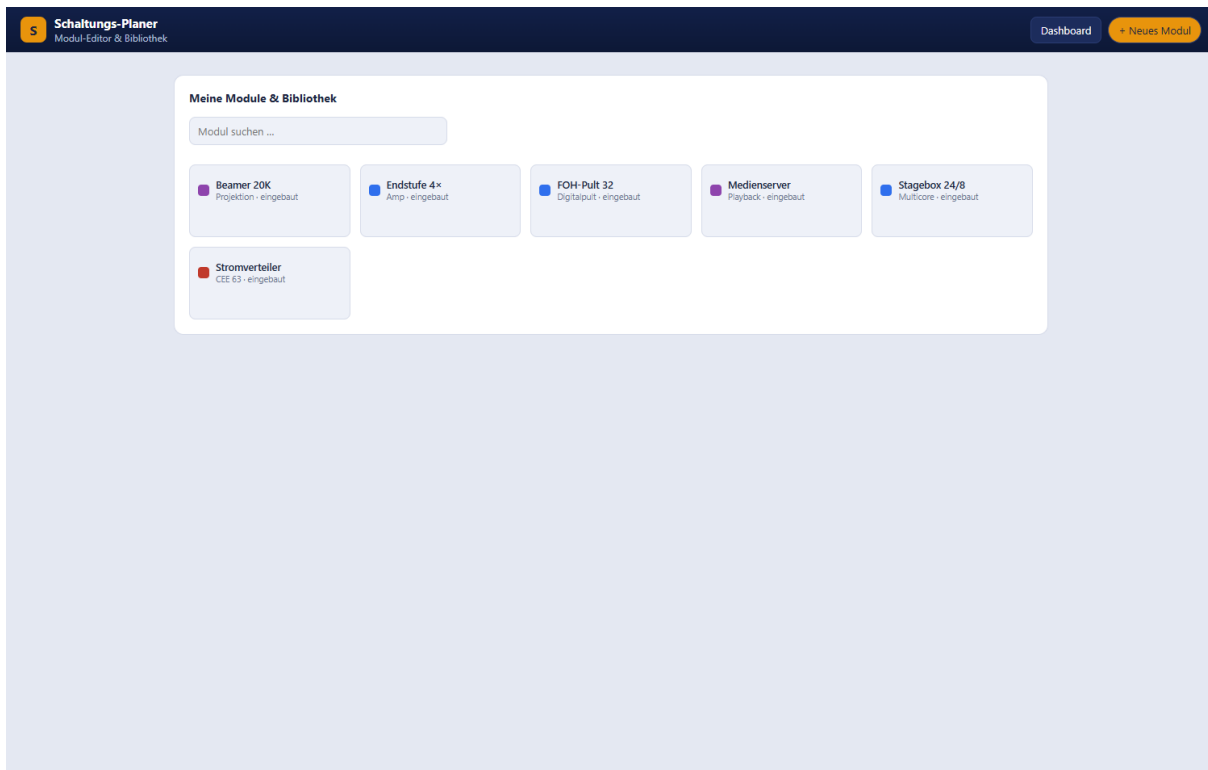
Per column, "**+ Add input**" and "**+ Add output**" create a new row. Each row consists of:

- **Name** — e.g. "IN 1", "MAIN", "230 V". New fields are numbered automatically.
- **Cable type** — determines colour and connectability, see [6.2](#). You can type into the field: the list then shows only matching cable types (e.g. "dmx" → "DMX (3-pin)", "DMX (5-pin)"). Accept with the arrow keys and **Enter** or by clicking; **Esc** discards the input.
- **Colour swatch** — optionally overrides the cable type colour.
-  — deletes the row.
-  — drag handle for reordering.

The **live preview** at the top shows the module exactly as it will look in the plan.

8.2 Module library

The separate page "**My modules & library**" (dashboard →  **Module library**) lists all visible modules.



Module library with search field and module tiles

Element	Effect
“Search modules ...”	Filters by title and manufacturer.
+ New module	Opens the module editor .
Edit	Only for your own modules.
Delete	Only for your own modules, with a confirmation.

Built-in and globally released modules cannot be edited — they are maintained centrally. To adapt such a module, use **“\ Edit module (individually)”** in the [context menu](#), which gives you your own copy.

8.3 Module visibility

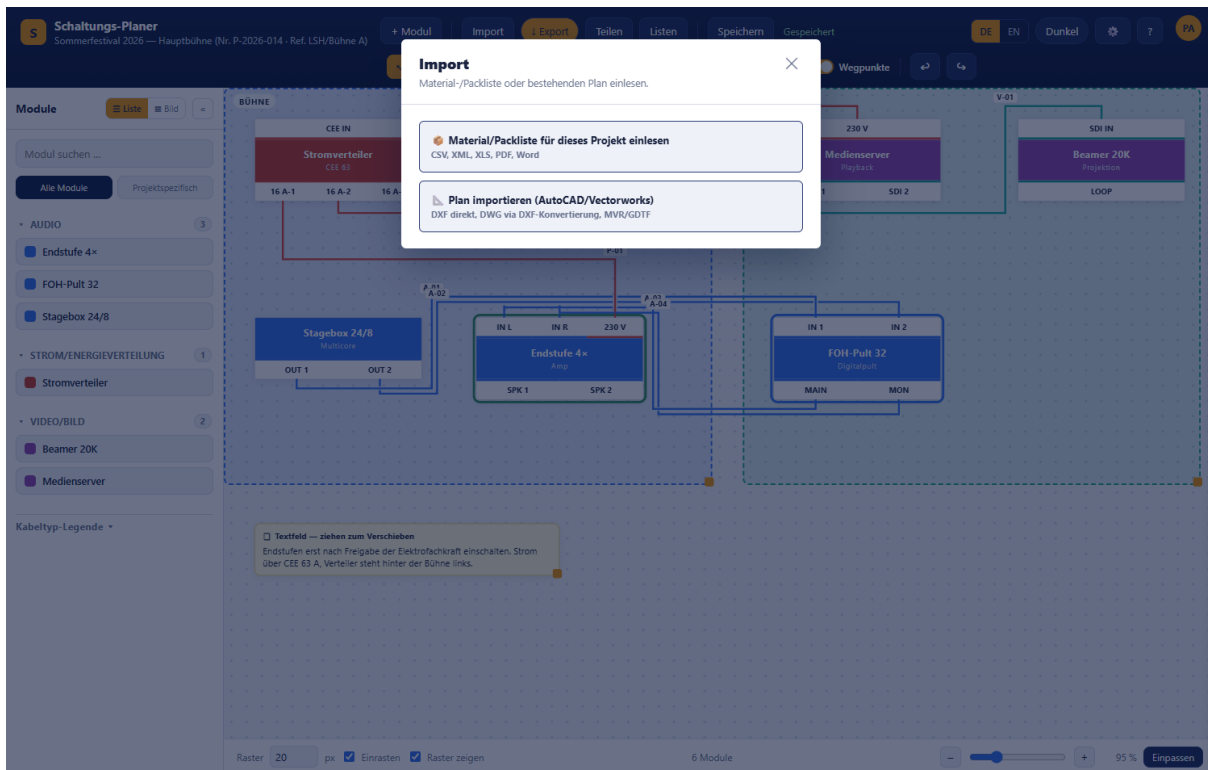
Visibility	Who sees the module
Global	Everyone. Released centrally.
Customer	Only the account that owns it. All self-created and imported modules start here.

In addition there is the **project-specific assignment**: through [import](#) or by placing them, modules are assigned to a single project and can be filtered in the [module panel](#) via **“Project-specific”**. This does not change the visibility of the module itself.

9. Importing material, pack and plan lists

The **“Import”** button in the [toolbar](#) opens the choice between two kinds of import.

Note: Import is currently being trialled and is not yet enabled for every account. If it is not enabled for yours, the **“Import”** button is missing and an import attempt ends with the server message “Der Import ist derzeit nicht freigegeben.” (import is currently not enabled)



Import chooser with material/pack list and plan import

9.1 Material and pack lists

“ **Import material/pack list for this project**” takes a device list into the current project.

Supported formats

Format	Expected structure	Limits
CSV / TSV / TXT	First row is the header. The separator (,, ;, tab) is detected automatically.	—
XLSX / XLS	First worksheet, first row as header.	Covers common files but is not a full Office parser.
DOCX / DOC	The largest table in the document, first row as header.	Without a table the import fails.
XML	The most frequently repeated node group is read as the set of rows.	Files with a DOCTYPE declaration are rejected for security reasons.
JSON	List of objects or {"items": [...]}.	—
Text-based PDF	Text extraction, columns split on runs of spaces.	Scanned or encrypted PDFs yield no text.

The maximum file size is **20 MB**.

Recognised columns

Column headers are detected automatically; case does not matter and partial matches are enough:

Content	Recognised headers
Name (mandatory)	Name, Bezeichnung, Artikel, Gerät, Titel, Device, Modul

Content	Recognised headers
Manufacturer	Hersteller, Marke, Manufacturer, Brand
Category	Kategorie, Category, Typ
Internal ID	Artikelnummer, SKU, ID, Modul-ID, internal_id
Quantity	Menge, Anzahl, Stück, Qty, Quantity (default 1)

If no recognisable name column is present, the import stops with a clear message — see [Appendix D](#).

How matching works

1. First the **internal module ID** is looked up.
2. Otherwise the **title** and, if given, the **manufacturer**.
3. **Match:** the existing library module is assigned to the project with the stated quantity.
4. **No match:** a new module visible only to your own account is created automatically — **without inputs and outputs**. These have to be added once in the [module editor](#) before the device can be [connected](#).

At the end the dialogue reports “Import complete” with the summary “ n matches · m new modules · k total”, then the project reloads.

There is no manual column mapping — recognition is fully automatic. If it does not fit, adjust the header row of the source file to the designations listed above.

9.2 Plan import (DXF and MVR)

“ **Import plan (AutoCAD/Vectorworks)**” takes device positions from an existing plan.

Format	What is taken over
DXF	Block references are matched against the library by name and placed as modules. Texts become text fields . Blocks that cannot be matched are inserted as a note text field. Pure geometry (lines, polylines, circles) is not taken over.
MVR (GDTF)	Fixture entries are matched by name or GDTF designation and placed as modules. Without a match a new module in the “Licht” category is created automatically.

The result reports “ n imported · m unclear/new · k geometry items not imported”.

DWG and **.vwx** cannot be read directly — both formats are proprietary. The planner says so and names the route: export from AutoCAD as **DXF**, from Vectorworks as **MVR** (devices and positions) or **DXF** (geometry).

Plan import is reserved for the **project owner**; invited editors can import material lists but not plans.

10. Lists — pack list and connection list

The “**Lists**” button opens a panel on the right with two tabs. The lists update automatically whenever the plan changes.

10.1 Pack list

Listen



Packliste

Verbindungsliste

MODUL	HERSTELLER	ANZAHL
Stromverteiler	CEE 63	1
Medienserver	Playback	1
Beamer 20K	Projektion	1
Stagebox 24/8	Multicore	1
Endstufe 4×	Amp	1
FOH-Pult 32	Digitalpult	1

Pack list with module, manufacturer and quantity

The pack list summarises all placed modules and counts identical devices together:

Column	Content
Module	Module title from the library
Manufacturer	Manufacturer from the module editor
Quantity	Number of placements in the plan

If the plan is empty you see “No modules in the plan yet.”

10.2 Connection list

Listen ×				
Packliste Verbindungsliste				
TYP	LABEL	VON	NACH	LÄNG
powerCON/TRUE1	P-01	Stromverteiler (16 A-1)	Endstufe 4× (230 V)	10
powerCON/TRUE1	P-02	Stromverteiler (16 A-2)	Medienserver (230 V)	15
SDI	V-01	Medienserver (SDI 1)	Beamer 20K (SDI IN)	25
XLR	A-01	Stagebox 24/8 (OUT 1)	FOH-Pult 32 (IN 1)	50
XLR	A-02	Stagebox 24/8 (OUT 2)	FOH-Pult 32 (IN 2)	50
XLR	A-03	FOH-Pult 32 (MAIN)	Endstufe 4× (IN L)	50
XLR	A-04	FOH-Pult 32 (MON)	Endstufe 4× (IN R)	50

Connection list with type, label, from, to and length

The connection list shows every cable individually, sorted by cable type:

Column	Content
Type	Name of the cable type
Label	Designation from the cable inspector
From	Source module with connector field, e.g. "FOH-Pult 32 (MAIN)"
To	Target module with connector field
Length	Length in metres; "—" if not stated

If nothing is connected yet you see "No cables in the plan yet."

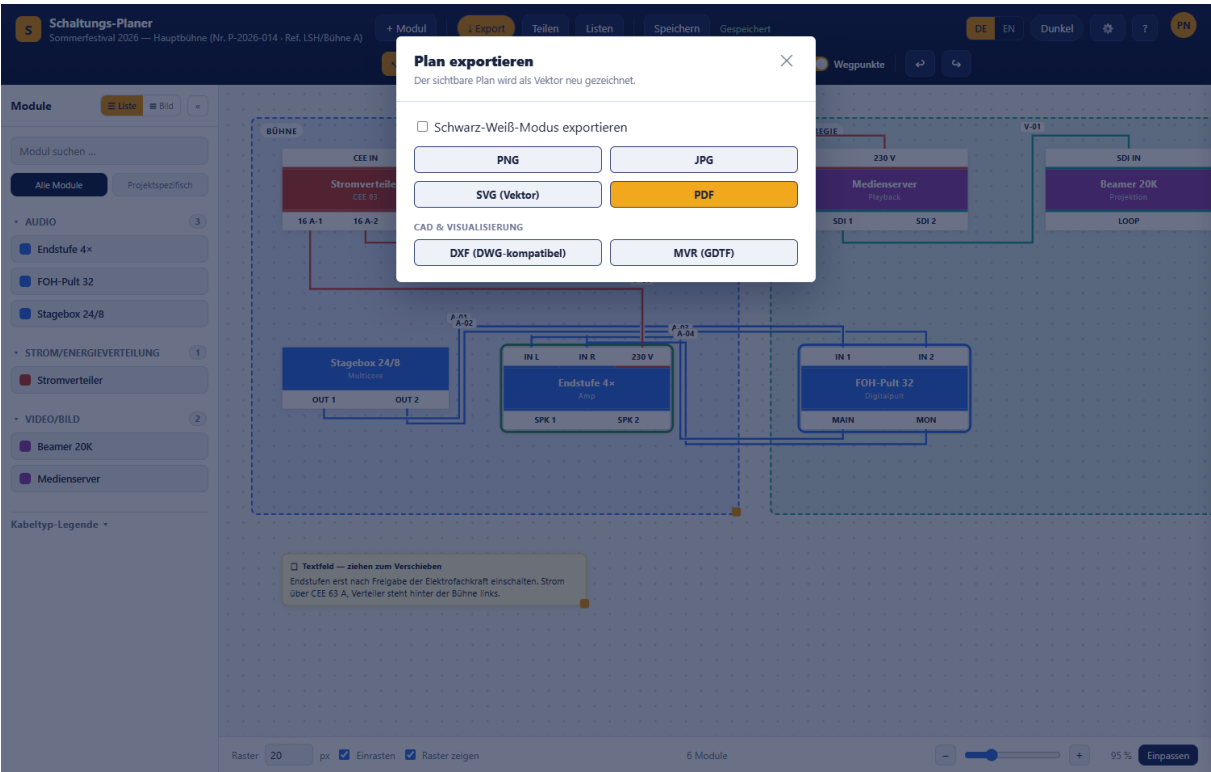
10.3 Outputting lists

Button	Result
CSV export	<code>packliste.csv</code> or <code>verbindungsliste.csv</code> , semicolon-separated and marked so that special characters display correctly in Excel.
PDF export	<code>packliste.pdf</code> or <code>verbindungsliste.pdf</code> with project name, creation date and table header; generated on the server.

If a download fails, the planner reports "Export failed." Check the connection and repeat.

11. Export

“↓ **Export**” opens the dialogue “**Export plan**”. The **entire** plan is exported, not just the visible section; waypoint handles never appear in an export.



Export dialogue with black-and-white switch, image formats and CAD formats

Format	Kind	Suitable for
PNG	Raster image at double resolution	Presentations, email, chat
JPG	Raster image at double resolution	As PNG, smaller file
SVG (vector)	True vector, redrawn from the plan data	Further work in a graphics program, lossless scaling
PDF	One page, portrait or landscape depending on the aspect ratio	Printing, handing on
DXF (DWG-compatible)	CAD file with the layers MODULE, KABEL, BEREICH, TEXT	Opens in any DWG-capable CAD program
MVR (GDTF)	Container with module positions as fixtures	Handover to Vectorworks and GDTF tools

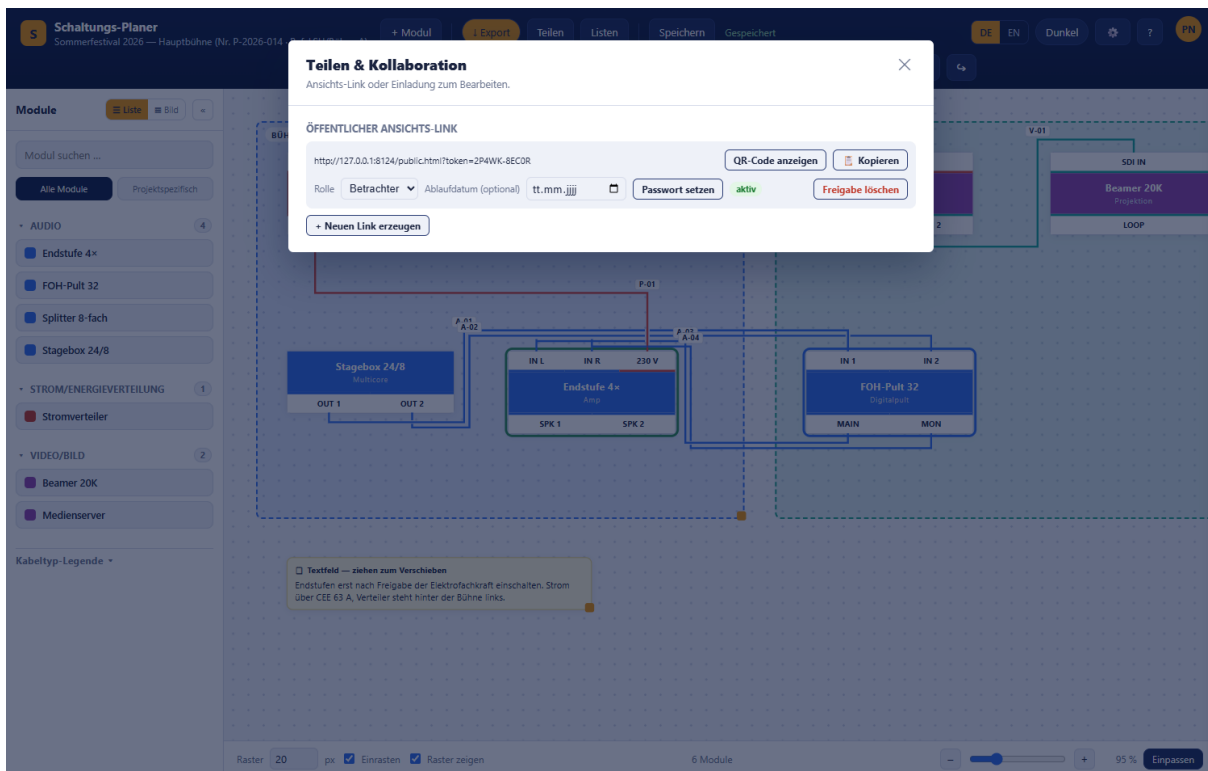
“**Export in black-and-white mode**”: the checkbox at the top outputs the plan in grey scale on a white background — for black-and-white printing. PDF exports always use a white background regardless of the colour scheme in use.

MVR requires the project to be saved; otherwise you get “MVR export is only possible after the project has been saved.”

Note: Direct export as binary **DWG** is not possible because it would require a commercial third-party library. **DXF** is the open, lossless substitute and is read by AutoCAD and comparable programs without detours.

12. Sharing and collaborating

“Share” opens the dialogue “Share & collaborate”. Only the host — the person who owns the project — can create and manage share links.



Sharing and collaboration dialogue with the public view link

12.1 Public view link

“+ Create new link” creates an address of the form `.../public.html?token=...` that works **without signing in**. Two buttons sit next to the address:

- “**Show QR code**” opens a window with the link as a QR code. Scanned with the camera of a phone or tablet, it opens the plan directly — handy for technicians on site, for example. The code is generated by the planner itself; the link is not sent to any third-party service.
- “**Copy**” copies the address to the clipboard.

The link can then be configured in detail:

Setting	Meaning
Role	Viewer, Editor or Technician — determines what visitors may do, see roles .
Expiry date (optional)	Optional expiry date. After it the link is invalid. Empty field = no expiry.
Set password /  Change password	Protects the link with an additional password.
Remove password	Removes the password protection.
Delete share link	Invalidates the link immediately (with a confirmation).

Changes made by visitors of a link with the role **Editor** or **Technician** are saved directly to the project and appear for the host and everyone else involved.

The status of a link is shown as **active**, **expired** or **deleted**. All your links are also listed on the dashboard under “Shared”.

12.2 Collaborating

When several people work on a project at the same time:

- The **avatars** of everyone present appear at the top right with name and role.
- The other people's **cursors** are visible on the canvas with name tags.
- The planner synchronises about every 2 seconds. When someone else saves, your editor reloads the new state automatically — including changes made via a [share link](#).
- Closing the window removes your presence immediately.

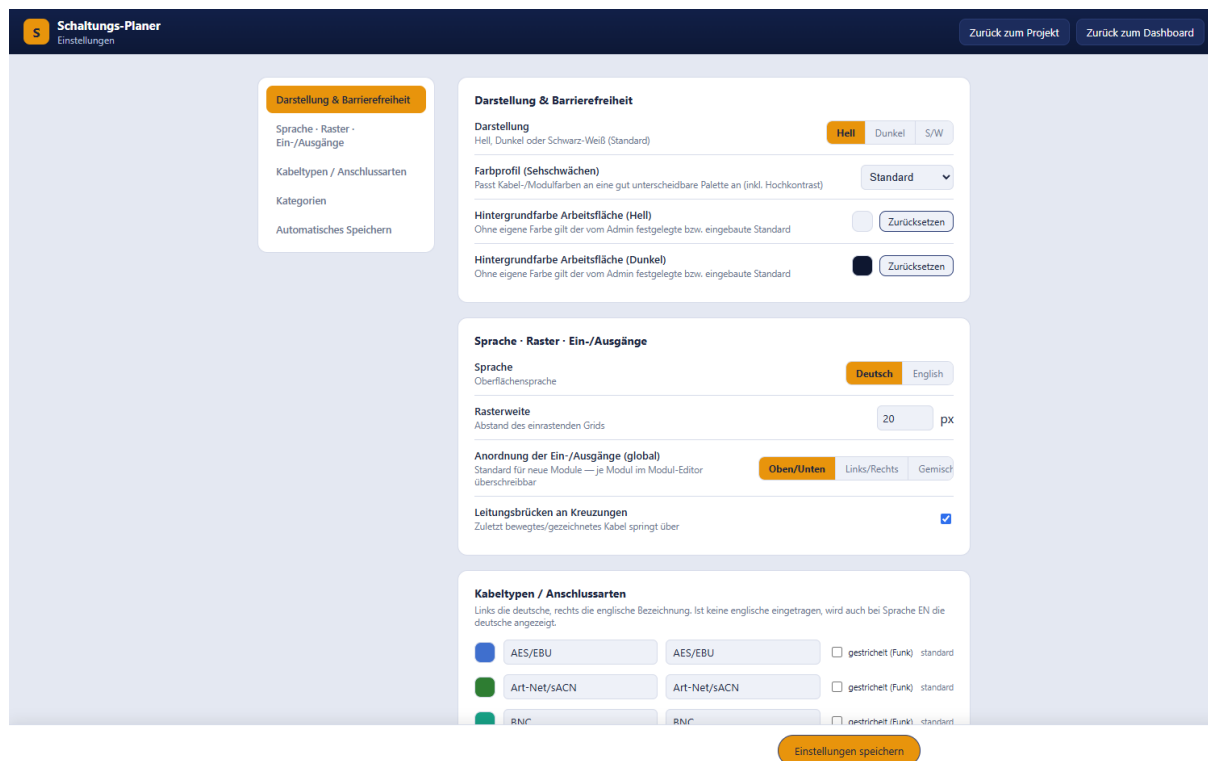
Simultaneous changes are merged. When saving, the planner only applies what you yourself changed since the last synchronisation; other people's changes are kept. If, for example, an editor sets the status of one module while the host moves another, both changes remain. In detail:

Situation	Result
Different objects, or different properties of the same object, changed (e.g. status and position)	Both changes are kept.
The same property of the same object changed differently	The value saved last applies.
An object is deleted while someone else changes it	The object stays deleted.
New modules, cables, areas or text fields on both sides	All of them are kept.

[Undo](#) and [redo](#) only reverse your own steps.

13. Settings

Settings (“” in the editor or “**Settings**” on the dashboard) apply per person, not per project. The navigation on the left jumps to the individual sections.



Schaltungs-Planer
Einstellungen

Zurück zum Projekt Zurück zum Dashboard

Darstellung & Barrierefreiheit

Sprache · Raster · Ein-/Ausgänge

Kabeltypen / Anschlussarten

Kategorien

Automatisches Speichern

Darstellung & Barrierefreiheit

Darstellung
Hell, Dunkel oder Schwarz-Weiß (Standard) Hell Dunkel S/W

Farbprofil (Sehgeschwächen)
Passt Kabel-/Modulfarben an eine gut unterscheidbare Palette an (inkl. Hochkontrast) Standard

Hintergrundfarbe Arbeitsfläche (Hell)
Ohne eigene Farbe gilt der vom Admin festgelegte bzw. eingebaute Standard Zurücksetzen

Hintergrundfarbe Arbeitsfläche (Dunkel)
Ohne eigene Farbe gilt der vom Admin festgelegte bzw. eingebaute Standard Zurücksetzen

Sprache · Raster · Ein-/Ausgänge

Sprache
Oberflächensprache Deutsch Englisch

Rasterweite
Abstand des einrastenden Grids 20 px

Anordnung der Ein-/Ausgänge (global)
Standard für neue Module — je Modul im Modul-Editor überschreibbar Oben/Unten Links/Rechts Gemischt

Leitungsbrücken an Kreuzungen
Zuletzt bewegtes/gezeichnetes Kabel springt über ☒

Kabeltypen / Anschlussarten
Links die deutsche, rechts die englische Bezeichnung. Ist keine englische eingetragen, wird auch bei Sprache EN die deutsche angezeigt.

 AES/EBU	AES/EBU	☐ getrichelt (Funk) standard
 Art-Net/sACN	Art-Net/sACN	☐ getrichelt (Funk) standard
 RNC	RNC	☐ getrichelt (Funk) standard

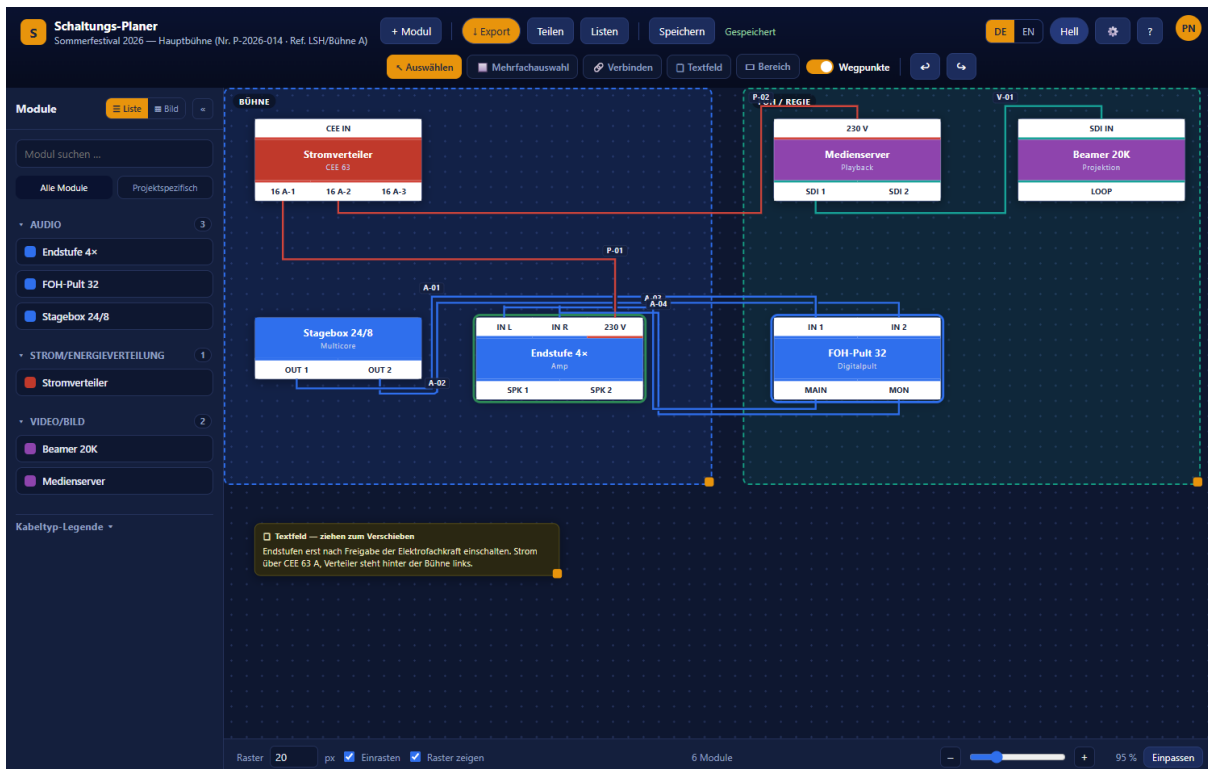
Einstellungen speichern

Settings page with appearance and accessibility

13.1 Appearance and accessibility

Setting	Values	Effect
Appearance	Light, Dark, B/W	Colour scheme of the entire interface.
Color profile (color vision deficiency)	Default, Deuteranopia, Protanopia, Tritanopia, High contrast	Switches cable and module colours to a well-distinguishable palette.
Canvas background color (light)	Colour picker	Your own canvas colour in the light scheme. “Reset” restores the preset default.
Canvas background color (dark)	Colour picker	The same for the dark scheme.

Both background colours are saved immediately, not only via **“Save settings”**.



Editor in the dark colour scheme

13.2 Language, grid, inputs and outputs

Setting	Values	Default
Language	Deutsch, English	Deutsch
Grid size	5 to 200 px	20 px
Input/output placement (global)	Top/bottom, Left/right, Mixed	Top/bottom
Line jumps at crossings	on / off	on

The **language** applies to the entire interface: dashboard, editor, settings, module library and module editor, dialogs and messages, and the lists including their PDF and CSV versions. After **“Save settings”** the page switches immediately; all other pages then open in the chosen language. The **DE / EN** switch in the **editor** changes the same setting. A share link shows the language last chosen in the project. Not translated are your own content (project, module, connector and category names), messages from the server, and the legal notice, privacy policy and terms of use.

The arrangement is the default for **new** modules; it can be overridden per module in the [module editor](#). For line hops see [6.5](#).

The **DE / EN** switch in the editor applies to that project; the setting here is your personal starting value.

13.3 Cable types and connector kinds

Kabeltypen / Anschlussarten
Links die deutsche, rechts die englische Bezeichnung. Ist keine englische eingetragen, wird auch bei Sprache EN die deutsche angezeigt.

Color	German Name	English Name	gestrichelt (Funk)	standard
Blue	AES/EBU	AES/EBU	☐	☐
Green	Art-Net/sACN	Art-Net/sACN	☐	☐
Green	BNC	BNC	☐	☐
Blue	Bluetooth	Bluetooth	☒	☐
Orange	CEE 16A	CEE 16A	☐	☐
Brown	CEE 32A	CEE 32A	☐	☐
Brown	CEE 63A	CEE 63A	☐	☐
Yellow	Cat/RJ45/etherCON	Cat/RJ45/etherCON	☐	☐
Blue	Cinch	RCA	☐	☐
Green	DMX (3-polig)	DMX (3-pin)	☐	☐
Green	DMX (5-polig)	DMX (5-pin)	☐	☐
Teal	Dante	Dante	☐	☐
Purple	DisplayPort	DisplayPort	☐	☐
Pink	Funk (allgemein)	Wireless (general)	☒	☐
Purple	Funk 2,4 GHz	Wireless 2,4 GHz	☒	☐
Purple	Funk 5 GHz	Wireless 5 GHz	☒	☐
Purple	HDMI	HDMI	☐	☐
Red	Infrarot	Infrared	☒	☐

Einstellungen speichern

Cable type settings with colour, name and dashed display

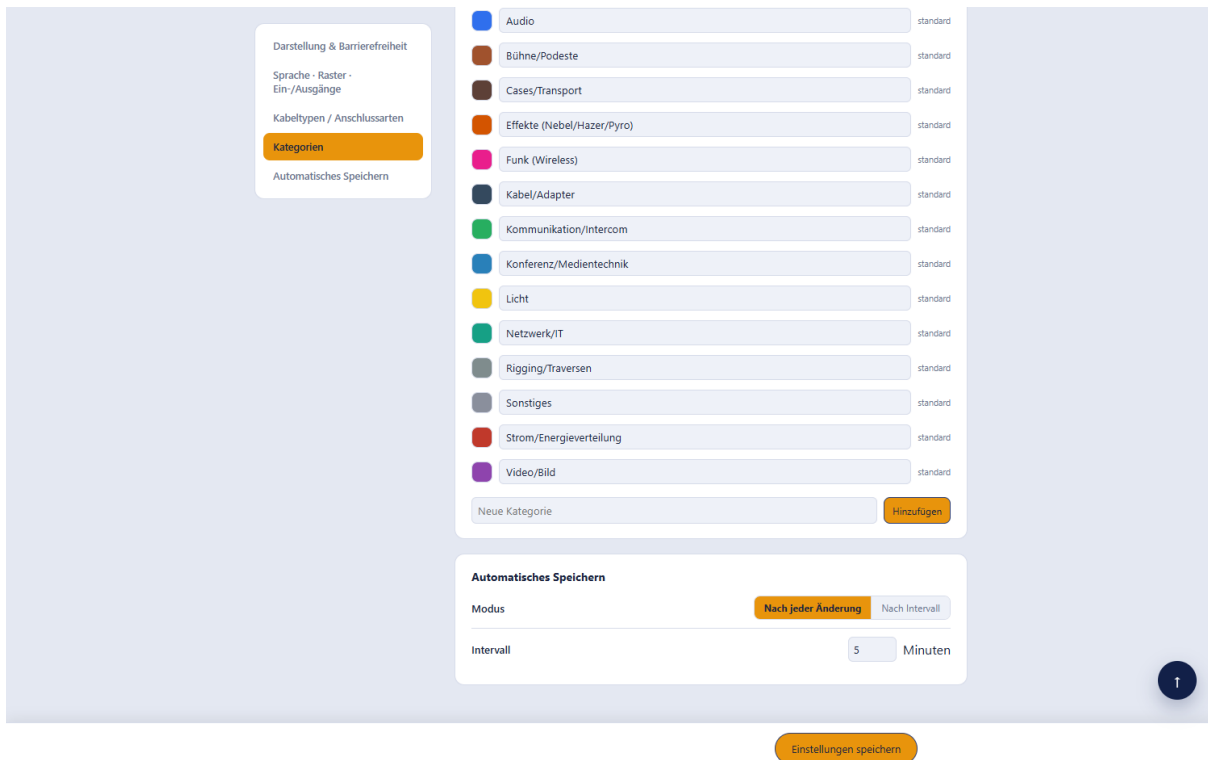
Here you can adjust the colour, name and the **“dashed (wireless)”** option of all [cable types](#). Each row has two name fields: the **German** name on the left, the **English** name on the right. The English name is shown when **EN** is selected in the editor; if the field is empty, the German name is used there too. Changes are saved automatically.

Use **“New cable type”**, optionally **“English name (optional)”**, pick a colour and click **“Add”** to create your own.

13.4 Categories

For each [category](#) a **personal** colour can be set; the badge “custom color” shows where that has happened. The names of built-in categories are locked. **“New category”** and **“Add”** create your own categories, visible only to your account.

13.5 Autosave



Autosave setting

Setting	Values	Default
Mode	After every change, At interval	After every change
Interval	1 to 60 minutes	5 minutes

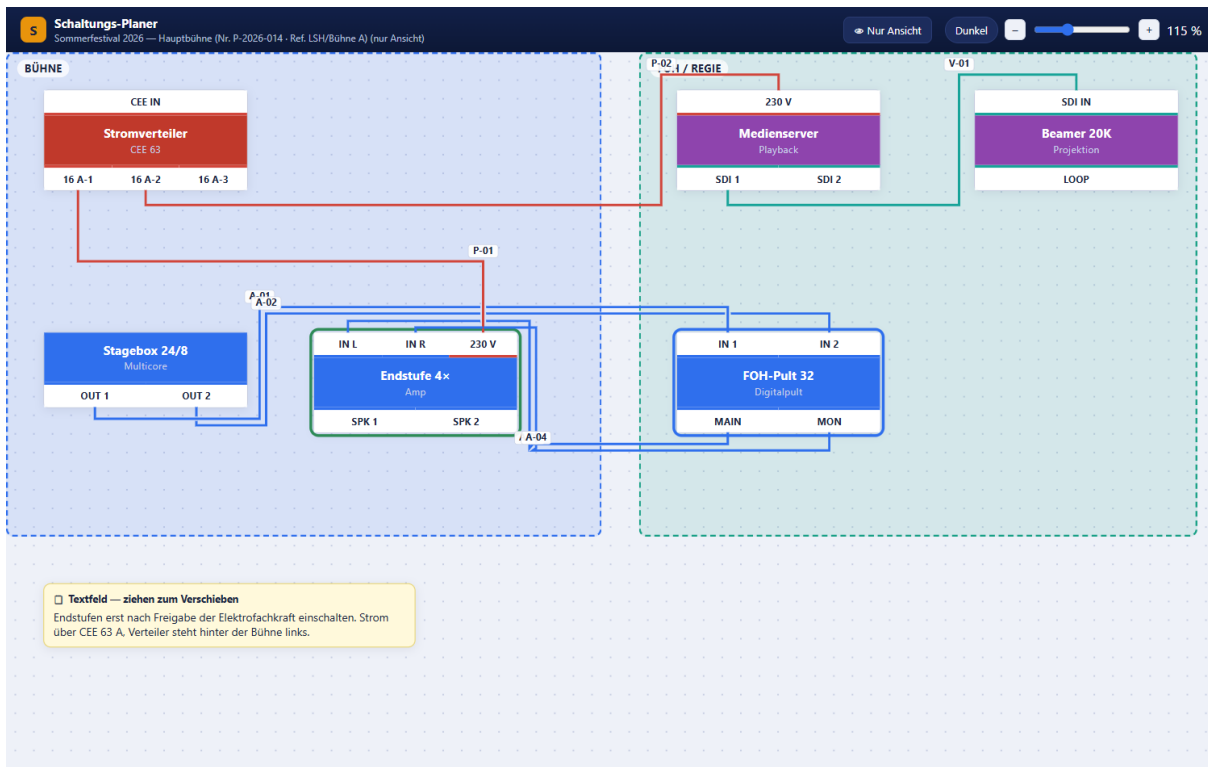
See also [Saving and autosave](#).

13.6 Saving

“**Save settings**” in the bottom bar applies the entries; “Saved ✓” appears shortly after. Background colours, cable types and category colours are already saved on selection.

14. Public view

A [share link](#) opens the plan without signing in.



Public view of a shared plan

Visible are the project name, a role badge (“**View only**”, “**Edit**” or “**Technician (set status)**”), a “**Dark / Light**” toggle, a zoom control and the complete plan with modules, cables, areas and text fields. The view is fitted automatically on opening and refreshes every three seconds without changing your own viewport.

The “**Dark / Light**” toggle only affects the person who clicks it: it is remembered locally in that browser, never changes the project itself and stays invisible to anyone else who has the same link open.

Depending on the role of the link:

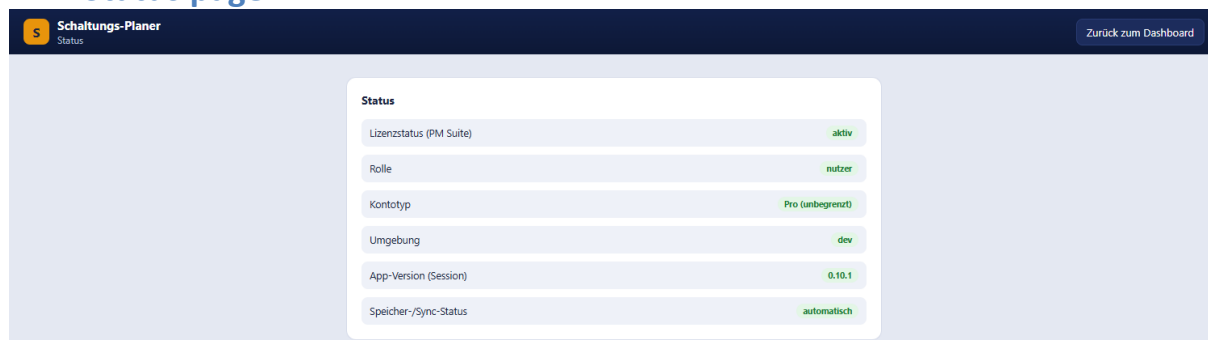
Role of the link	Possible
Viewer	Viewing, zooming and panning only.
Editor	Additionally moving modules, drawing and labelling cables, changing areas and text fields, setting the status .
Technician	Additionally only setting the status of modules and cables.

Changes made via an editor or technician link are saved and [merged](#) with simultaneous changes by others.

Regardless of the role, the public view does **not** offer: new modules from the library, new areas and text fields, undo/redo, [import](#) and [export](#).

Possible messages: “No share token provided.”, “Link ungültig oder widerrufen.” (link invalid or revoked), “Link abgelaufen.” (link expired) and “Password required.” — see [Appendix D](#).

14.1 Status page



Status page with licence, role, account type, environment and version

Reachable from the [user menu](#) → “ **Status**”. It shows the licence status from the PM Suite, your role, the account type (**Pro** or **Free** with its [limits](#)), the environment, the app version of the running session and the save and sync mode. The page requires a sign-in.

15. Roles and permissions

Three independent levels work together.

15.1 Account type

Account type

Limits

Free

One diagram in use and one in the archive, at most 10 modules and 2 areas per project, see [free limits](#).

Pro

No limits.

15.2 Project role

Role	View	Edit	Set status	Share and invite
Host (owner)	yes	yes	yes	yes
Editor	yes	yes	yes	no
Technician	yes	no	yes	no
Viewer	yes	no	no	no

With restricted rights the editor shows a banner:

- Technician: “Technician mode — editing is not possible; set the status by right-clicking a module/cable.”
- Viewer: “View-only mode (viewer) — changes are not possible.”

Tools, “+ **Module**”, “**Import**”, “**Share**”, “**Save**” and undo/redo are disabled in that case.

15.3 Role of a share link

A [share link](#) carries the same roles **Viewer**, **Editor** and **Technician** with the same rights — except that the permission is attached to the link and no sign-in is needed.

16. Keyboard shortcuts and mouse gestures

16.1 Keyboard

Key	Effect
Del / Backspace	Deletes all selected modules and their cables
Ctrl+A	Selects all modules
Esc	Clears the selection, cancels a connection in progress, closes menus and dialogues
Ctrl+Z	Undo
Ctrl+Y or Ctrl+Shift+Z	Redo
Shift / Ctrl + click	Extends the multiple selection
Enter	Confirms an input dialogue

On macOS, Cmd replaces Ctrl. While typing in an input field the shortcuts do not apply.

16.2 Mouse and touch

Gesture	Effect
Mouse wheel	Zoom around the cursor
Drag with the middle mouse button	Pan the view
Drag with the left mouse button on empty canvas	Pan the view
Drag from the module panel	Place a module
Double-click in the module panel	Place a module at the centre of the screen
Click a cable	Select the cable, open the inspector
Grab and drag a cable	Create a new waypoint and move it
Double-click a cable	Add a waypoint
Double-click a handle	Remove a waypoint
Double-click an area title	Edit title and colour
Right-click	Context menu
Long press (touch)	Context menu

17. Frequently asked questions and troubleshooting

Why can I not change anything? You have been invited as a [viewer or technician](#) or you are looking at a [public share link](#). The banner at the top of the editor states the reason.

Two fields will not connect — the field just flashes red. Both fields need the **same cable type**, and an input must not be taken already. See [connection rules](#).

An imported device has no connectors. Modules created during [import](#) come without inputs and outputs. Add them once in the [module editor](#).

I changed one module and suddenly all the others look the same. All placements share the same library entry. For a single change use “[\ Edit module \(individually\)](#)”, see [5.6](#).

Can I import or export DWG files? No — DWG is proprietary. Export as **DXF** from AutoCAD or Vectorworks, or use the planner’s [DXF export](#); DXF is read by DWG-capable programs.

My PDF import finds no text. Scanned or encrypted PDFs contain no readable text. Export the list as CSV, XLSX or XML and import that file.

It says “Error while saving”. The state was not saved. Check the connection and click **“Save”** again before closing the window. See [4.4](#).

I am hitting a limit of 10 modules. The project belongs to an account of type **Free**. See [free limits](#).

Where is my data stored? On the server, in two separate databases — one for sign-in, one for working data. The transfer is encrypted. The planner is a pure website and needs a working connection.

A colleague overwrote my change. Simultaneous changes are merged. A change is only overwritten when both people changed the same property of the same object — then the value saved last applies, see [12.2](#). Anyone still working with an older version should reload the page via the [version banner](#).

The “Import” button is missing. Import is currently not enabled for every account, see [9](#).

Appendix A: Cable types

Pre-installed cable types with their English and German names. Dashed types represent wireless connections. Colours and names (German and English) can be adjusted in [settings](#), where you can also add your own.

Cable type (English)	German name	Colour	Display
XLR	XLR	#2f6fed	solid
Jack (mono)	Klinke/Jack (Mono)	#5b8def	solid
Jack (stereo/TRS)	Klinke/Jack (Stereo/TRS)	#4a7de0	solid
RCA	Cinch	#7aa5ff	solid
Speakon	Speakon	#1b52c4	solid
MADI	MADI	#0d3a91	solid
AES/EBU	AES/EBU	#3f6fce	solid
Dante	Dante	#00a3a3	solid
powerCON/TRUE1	powerCON/TRUE1	#d1453b	solid
Schuko (CEE 7/4)	Schuko	#b5352c	solid
CEE 16A	CEE 16A	#e06a22	solid
CEE 32A	CEE 32A	#c95a1a	solid
CEE 63A	CEE 63A	#a84611	solid
Phoenix/screw terminal	Phoenix-/Schraubklemme	#e08a22	solid
DMX (3-pin)	DMX (3-polig)	#4caf50	solid
DMX (5-pin)	DMX (5-polig)	#388e3c	solid
Art-Net/sACN	Art-Net/sACN	#2e7d32	solid
SDI	SDI	#17a398	solid
HDMI	HDMI	#8e44ad	solid
DisplayPort	DisplayPort	#6c3483	solid
VGA	VGA	#9b59b6	solid
BNC	BNC	#16a085	solid
Cat/RJ45/etherCON	Cat/RJ45/etherCON	#f39c12	solid
Fibre/opticalCON	LWL/opticalCON	#f1c40f	solid
USB	USB	#7f8c8d	solid
Wireless (general)	Funk (allgemein)	#e91e8c	dashed
Bluetooth	Bluetooth	#2196f3	dashed
Infrared	Infrarot	#c0392b	dashed

Cable type (English)	German name	Colour	Display
Wireless 2.4 GHz	Funk 2,4 GHz	#9c27b0	dashed
Wireless 5 GHz	Funk 5 GHz	#673ab7	dashed

Appendix B: Categories

Category	Colour
Audio	#2f6fed
Video/Bild (video/image)	#8e44ad
Licht (lighting)	#f1c40f
Rigging/Traversen (rigging/truss)	#7f8c8d
Bühne/Podeste (stage/risers)	#a0522d
Strom/Energieverteilung (power distribution)	#c0392b
Netzwerk/IT (network/IT)	#16a085
Konferenz/Medientechnik (conference/AV)	#2980b9
Kommunikation/Intercom	#27ae60
Funk (wireless)	#e91e8c
Effekte (Nebel/Hazer/Pyro)	#d35400
Kabel/Adapter	#34495e
Cases/Transport	#5d4037
Sonstiges (other)	#8a8f9c

Custom categories can be created in [settings](#).

Appendix C: Built-in modules

These six example modules ship with every installation and serve as templates for your own devices (see [module editor](#)).

Module	Manufacturer	Category	Inputs	Outputs
Stagebox 24/8	Multicore	Audio	—	OUT 1 (XLR), OUT 2 (XLR)
FOH-Pult 32	Digitalpult	Audio	IN 1 (XLR), IN 2 (XLR)	MAIN (XLR), MON (XLR)
Endstufe 4×	Amp	Audio	IN L (XLR), IN R (XLR), 230 V (powerCON)	SPK 1 (XLR), SPK 2 (XLR)
Medienserver	Playback	Video	230 V (powerCON)	SDI 1 (SDI), SDI 2 (SDI)
Beamer 20K	Projektion	Video	SDI IN (SDI)	LOOP (SDI)
Stromverteiler	CEE 63	Power	CEE IN (powerCON)	16 A-1, 16 A-2, 16 A-3 (powerCON)

Appendix D: Messages in plain language

Messages shown by the application itself are quoted below verbatim in English, with an explanation. Messages sent by the server are still German in the application; they are quoted in German with a short English gloss in parentheses.

Sign-in and access

Message	Cause and remedy
Anmeldedaten ungültig ... (invalid credentials)	Wrong user name or password, see 2.3 .
Keine gültige PM-Suite-Lizenz. (no valid PM Suite licence)	Licence not active; check on the status page .
Kein Zugriff. (no access)	Missing permission for this project or module, see roles .
Kein Zugriff auf dieses Modul. (no access to this module)	The module belongs to another account.
Keine Schreibrechte auf dieses Projekt. (no write access to this project)	Your project role does not allow saving.

Images

Message	Cause and remedy
Only JPEG, PNG, WebP or GIF are allowed (no SVG — it can contain its own script).	Choose another image format, see 7.2 .
Maximum 8 MB allowed.	Reduce the image size.
The file content does not match the stated format.	The file was renamed or is damaged; export it again.
File could not be read.	Check the file and try again.

Import

Message	Cause and remedy
Der Import ist derzeit nicht freigegeben. (import is currently not enabled)	Import is not yet enabled for your account, see 9 .
Dateiformat .xyz wird nicht unterstützt (CSV/XML/XLS/PDF/Word/JSON). (file format not supported)	Choose a supported format, see 9.1 .
Datei zu groß (maximal 20 MB). (file too large, max. 20 MB)	Split or shrink the file.
In der Datei wurden keine Zeilen/Einträge erkannt. (no rows/entries found)	Check the header row and table structure.
Keine erkennbaren Gerätenamen in der Datei gefunden (Spalte „Name“/„Bezeichnung“ fehlt?). (no recognisable device names; name column missing?)	Adjust the column header, see 9.1 .
Keine Tabelle im Word-Dokument gefunden — bitte eine Tabelle verwenden oder als CSV/XLS exportieren. (no table found in the Word document)	Format the list as a real table.
Aus dieser PDF-Datei konnte kein Text extrahiert werden (evtl. gescannt/verschlüsselt). (no text could be extracted from the PDF)	Export as CSV, XML or XLS.
... enthält eine DOCTYPE-Deklaration, die aus Sicherheitsgründen nicht unterstützt wird. (DOCTYPE declaration not supported)	Export the file again without a DOCTYPE.
DWG ist ein proprietäres Format ohne lizenzfreien Direkt-Leser. (DWG is a proprietary format)	Export as DXF, see 9.2 .
Direkter .vwx-Import ist wegen des proprietären	Export as MVR or DXF.

Message	Cause and remedy
Formats nur eingeschränkt möglich. (direct .vwx import only partly possible)	
Free-Nutzung ist auf 10 Module je Projekt begrenzt ... (free use limited to 10 modules per project)	See free limits .

Export and sharing

Message	Cause and remedy
Export failed. / PDF export failed.	Check the connection and retry, see 11 .
MVR export is only possible after the project has been saved.	Click “Save” first.
Link ungültig oder widerrufen. (link invalid or revoked)	The share link has been deleted.
Link abgelaufen. (link expired)	The expiry date has passed; create a new link.
Passwort erforderlich oder falsch. (password required or wrong)	The link is password-protected.
Nur der Host kann einen Link erzeugen. (only the host can create a link)	Only the project owner may share, see 12 .

Saving

Message	Cause and remedy
Error while saving	Check the connection or your rights and save again, see 4.4 .
Free limit reached	Limit of the free plan (diagrams, archive, modules or areas), see 5.7 .
Missing information — Please enter a name.	Mandatory field in the module editor .

*This manual was last updated for Schaltungs-Planer version **0.15.0** (as of 2026-10-01) — individual details may have changed since.*