

SKAARHOJ®

Universal Live Production Control | Designed and made in Denmark



Be in Control

We're here
to make
your live
productions
easier
- and way
more fun!



Hi Friend,

With our controllers, you can handle all your gear in one place, regardless of the brand.

Simple as that.

Less clutter, more freedom, and room to grow when you're ready.

Our universal controllers are built to take the stress out of your workflow so you can focus on creating great content.

Glad to be part of your journey!

Kasper Skårhøj
CEO, Founder and Chief Designer

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Control Anything...

We build the coolest tactile controllers for almost anything with a power button. From PTZ and cinema cameras to switchers and audio gear, we give you next-level control. That's why we collaborate closely with the industry's leading brands, so you get powerful, flexible and feature-rich integrations right out of the box.



...and Everything

We work with the top brands across the industry to deliver truly flexible and feature-rich control. Below are just some of the partners we support, but take a look at our full integration list and you might be surprised by how many other brands we have brought into the SKAARHOJ ecosystem.



Check what you can control



devices.skaarhoj.com

Reactor

Panel Management Tool

Add devices to your control panel

Reactor is built with a flexible interface that makes setup easy. Quickly add cameras, switchers, or any supported device to your controller and get instant, streamlined access to the tools you need.



Customize any button

Reactor lets you tweak every button, knob, and fader to fit your workflow.

It's easy to get started, but if you're feeling bold, Reactor runs deep. Start simple, then dive into the powerful stuff when you're ready.



Powerful engine

Under the hood, Reactor is configured with JSON data structures. For expert users, these can be edited directly. You can also import and export configurations for backup and sharing.

```
1  "Name": "Welcome to Reactor",
2  "Layers": [
3  ],
4  ],
5  ],
6  ],
7  ],
8  ],
9  ],
10 ],
11 ],
12 ],
13 ],
14 ],
15 ],
16 ],
17 ]
```

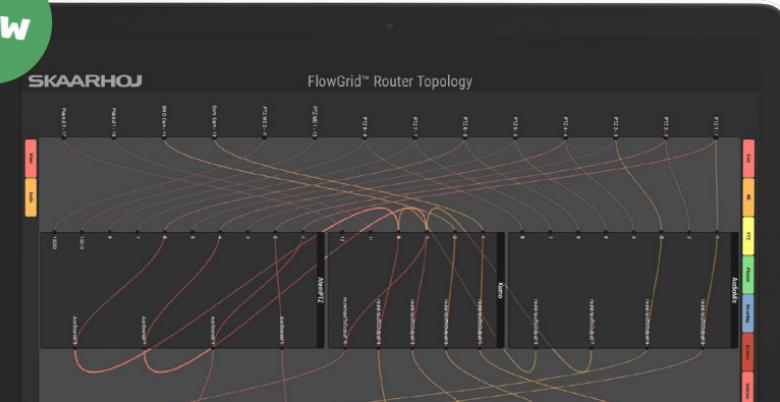
FlowGrid - Powerful Routing Control

FlowGrid is a virtual meta-router that makes complex AV routing simple



It unifies video and audio paths into logical inputs and outputs, automatically managing tie lines, tallies, UMDs and device integrations. Users get a clean, intuitive routing experience where they can focus on production while FlowGrid quietly handles all the technical complexity in the background.

New



Licenses

Expand the capabilities of your SKAARHOJ panels with software licenses that allow you to connect with 3rd party control devices.



Touch Panel License

Enables the integration of touch panels such as iPad with Reactor software.



Riedel Smart Panel License

Allows Riedel Smartpanels to be integrated with Reactor and Raw Panel.



Device Core TCP Link License

Allows sending simple TCP commands to trigger any supported parameter.



Stream Deck License

Enables the integration of any Stream Deck panel.



RC-SK5 Pro License

Extends your RC-SK5 with universal camera compatibility across brands.



X-keys License

Enables the integration of X-keys controllers.

And we're just getting started. Check out all our licenses!



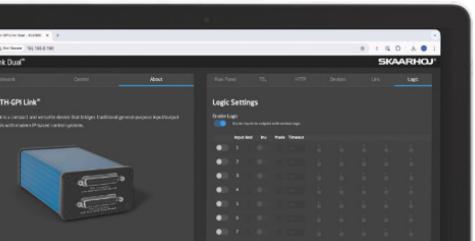
Discovery Tool



SKAARHOJ Discovery helps you to find your panels, manage their network settings, access their UI's and update firmwares with ease.

Read more here:
skaarhoj.com/software-download

Web UIs



All our panels and accessories have streamlined web UIs, which make it easy to configure their settings and test their connections.

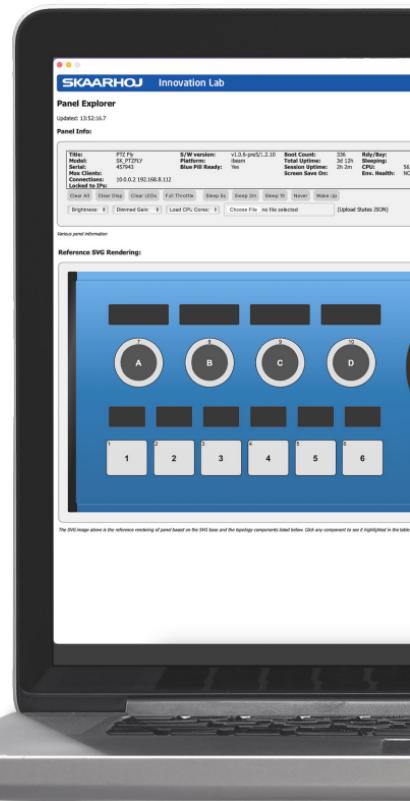
Raw Panel - Our Panel Your Code

Raw Panel connects SKAARHOJ's powerful hardware with the logic you build.

You get full, real-time access to every button press, knob turn, fader move, and joystick action, and you control exactly what the panel shows in return, from colors and text to graphics and widgets.

With simple ASCII or JSON commands, self-describing hardware, and smart processing tools, Raw Panel makes our panels respond as if they were created specifically for your product.

Your code drives the experience.
Our panel brings it to life.



Touch Screen Technology



A new layer of flexibility

- built on the foundation of true tactile control.

SKAARHOJ controllers have always been defined by their tactile precision. Buttons, encoders, joysticks, faders - the things operators rely on when the pressure is real and the room is live. That will never change.

Touch technology simply strengthens that foundation. A large capacitive display adds space for context-aware controls, advanced monitoring, adaptable layouts, widgets, and workflow-specific customization without compromising the physical feel that serious operators depend on.

Touch is a natural extension of the SKAARHOJ philosophy - tactility when timing matters, flexibility when workflows evolve.

Wave Board Touch

A next-generation audio surface featuring 100 mm motorized faders paired with a spacious capacitive touchscreen. See volume levels, secondary parameters, EQ curves, and dynamics at a glance.

Touch gives you the freedom to tailor the interface to your audio processor, while the faders and channel-strip buttons deliver the physical precision no touchscreen can replace.



Rack Fusion Touch

A touch-enabled evolution of the Rack Fusion Live control panel, built to lean even further into PTZ control. The capacitive display supports visual presets and hybrid workflows, adapting instantly to your camera selection and production setup. Meanwhile, the joystick and tactile controls keep essential actions anchored in muscle memory.



Panels designed for a purpose

You can mix and match the panels with a custom selection of side car modules. By mixing and matching controllers you can choose the panels you think works best for audio control, camera shading, DVE position and resizing control, PTZ camera operation or classic shot box capacity. Our panels are carefully designed to fit different environments.



Modularity

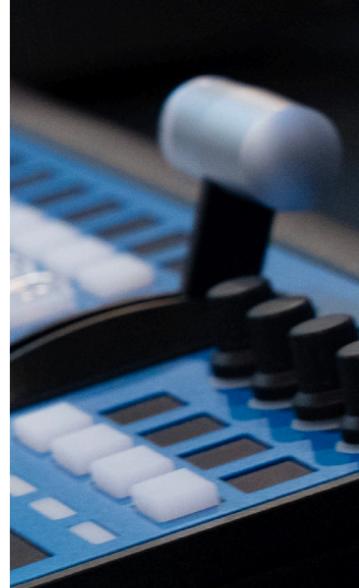
We have a variety of different panels that can be mixed and matched, and we are always ready to help you choose the right setup.



Frame Shot Plus + PTZ View



Quick Shot - Black + Wave Board Mini



Black or blue

Blue is our signature, but yes, black is available on request. It comes with a lead time and added cost, but we're happy to make it happen.

Renowned industrial design

After years refining custom elastomers, aluminum extrusions and front panels, we've built unique, beautiful, tough components worthy of the flexible, modular electronics and software inside our broadcast & AV controllers.

100% IP & PoE

One cable is all you need. It powers your gear and carries control signals to everything from switchers and routers to recorders and cameras.

IP makes it all easy, and if you're working with older gear, our Link IO accessories handle that too. No sweat!



With active PoE (IEEE802.3af), your desk stays clean and clutter-free.



Freedom to Control

“Feel the Control at Your Fingertips



PTZ Control

Panels built for operators controlling robotic cameras

Our PTZ controllers are crafted with a deep understanding of what operators truly need. Premium surfaces, intuitive layouts, and a build quality that's made to last.

For example, you can control robotic cameras from Canon, Panasonic, Sony, BirdDog, PTZOptics, NewTek, JVC, Lumens, Avonic, Bolin, Marshall, Datavideo, Minrray, OPTOver, Ross, and AIDA.



PTZ Extreme



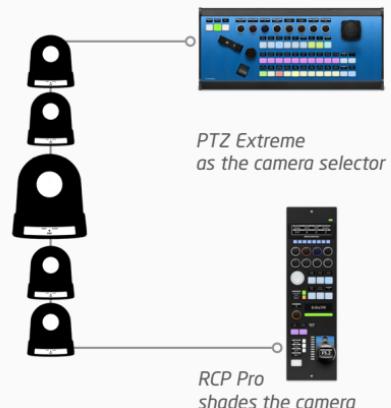
PTZ Extreme is the ultimate controller for multi axis robotic systems. It is our flagship PTZ controller that was created with absolute freedom in mind:

External Camera Selection

Imagine controllers that don't just work side by side. They work together!

Imagine control that works across panels. Have one controller to select your camera and another to shade the selected camera.

This improves workflow efficiency and reduces error potential. You can even move the camera selector to a completely separate panel!



PTZ Pro



PTZ Pro offers the ideal middle ground between PTZ Fly and PTZ Extreme, delivering enhanced control for live productions, talk shows, concerts, houses of worship, and more. With dedicated sections for PTZ presets,

camera exposure, and shading control, this professional controller speeds up workflows while offering complete customizability and intuitive plug-and-play functionality for seamless operation across multiple camera brands.



PTZ View

Backlit encoders with crisp graphical OLED displays

Exclusive Hall Effect Joystick



PTZ View is the ultimate entry-level PTZ controller, featuring built-in color screens that let you access your pre-sets in a whole new way.

Store images in the display for presets directly from your church, concert, lecture, or conference.



Imagine modularity

Imagine controllers that don't just work side by side. They work together.

The PTZ View and Frame Shot Plus form a seamless, modular setup built for smooth, intuitive control.

Camera selection spans 8 buttons across both units. Menu navigation sits on the left. Joystick movement lives on the right.

Imagine control that adapts to you.



Frame Shot Plus + PTZ View

Frame Shot Pro

Four-way buttons and OLED displays are perfect for auxiliary control of switchers, routers, lights etc.

Crisp visual thumbnails for presets and four-way buttons



The perfect sidecar for any controller setup! Mix, match, and get creative. This panel lets you build the rig you need. With unique visual thumbnails, it's easy for volunteers, teachers, and staff to find the right preset fast.

Imagine modularity

PTZ Pro and Frame Shot Pro are a perfect match. Control your PTZ cameras and instantly access visual preset thumbnails with ease...



...or imagine a bigger setup with smooth, tactile PTZ control. Frame Shot Pro paired with PTZ Extreme has you covered.



PTZ Fly

- High-quality backlit encoders with widescreen OLED displays



Multi function keys for presets and camera selection with tally

Four-way navigation key

Add a Cut button for your switcher!

Option: Hall Effect joystick

Order with Hall Effect joystick for increased precision and ergonomics of operation



PTZ Fly packs pro features into a compact design, with a full-size three-axis joystick for smooth camera control. Crisp OLED displays show your settings and presets at a glance. Trusted in productions worldwide, it's a go-to for churches, universities, and other small setups.



Freedom to Control What You Want



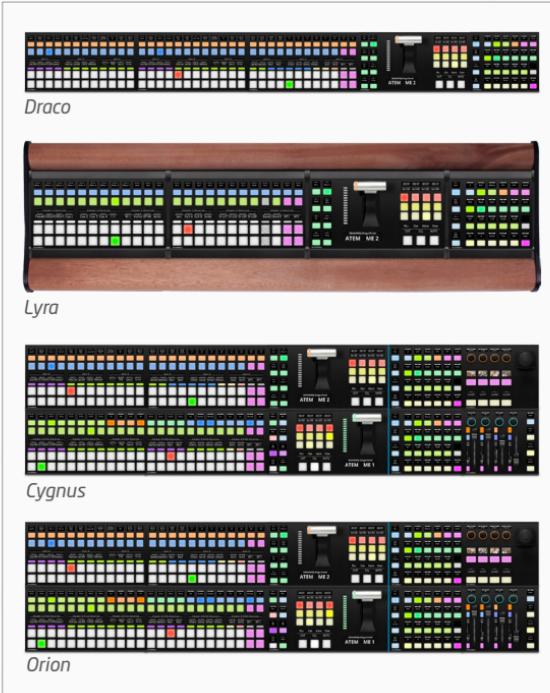
Live Switching Control

Panels for live producers who need to move fast

In live production, there's no time to hesitate. Every second counts! That's why we designed our Live Switching controllers for speed and precision. With SKAARHOJ, you're free to map out sources, effects, and settings exactly how you want. It's your production, your way!



Build a Mega Panel



In a nutshell

The SKAARHOJ Mega Panel is a modular control system that combines SKAARHOJ's signature software flexibility with hardware adaptability. Build a panel tailored to your needs by connecting modular components, whether for multi-ME, multi-cross-point, or expanded macro, audio, and PTZ control.



Component selection is entirely up to you

However, to help you get started, we've designed five ready-to-go sets: Draco, Lyra, Orion, Cygnus, and Vela. These sets can be purchased as bundles but can also be customized by adding or removing modules.

Read more: skgarhoi.com/mega-panel

You decide

Mega Panel is built from flexible SKAARHOJ modules, letting you design a control surface that fits your workflow.



Standard...



Standard Mounting

Standard modules fit into a 1ME or 2ME wooden frame with a mahogany handrest and mounting rails.

...or slim?



Slim Mounting

Slim modules use aluminum support plates for easy click-in assembly, enabling 2ME or 3ME surfaces and seamless furniture integration.

Standard...



Standard Modules:

The standard SKAARHOJ chassis for full compatibility.

...or slim?

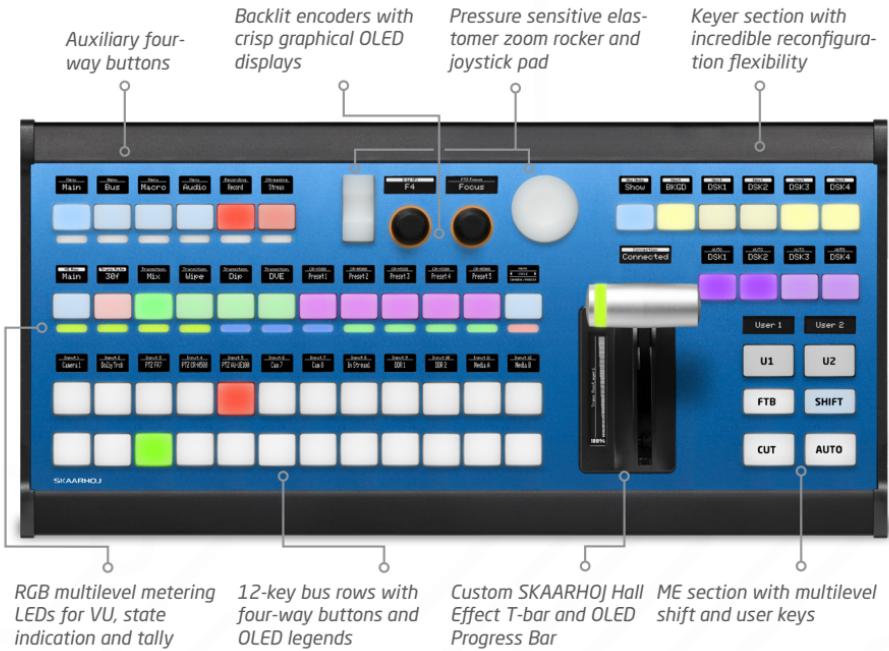


Slim Modules:

The Slim Black chassis for a sleek, unified Mega Panel look.



Air Fly Pro



Air Fly Pro is the ultimate all-in-one controller, perfect when you're running the show solo. It beautifully combines PTZ control and live switching in one

sleek package. The smooth Hall Effect T-bar and classic ME section feel instantly familiar, and with NKK buttons, you get that extra touch of luxury.

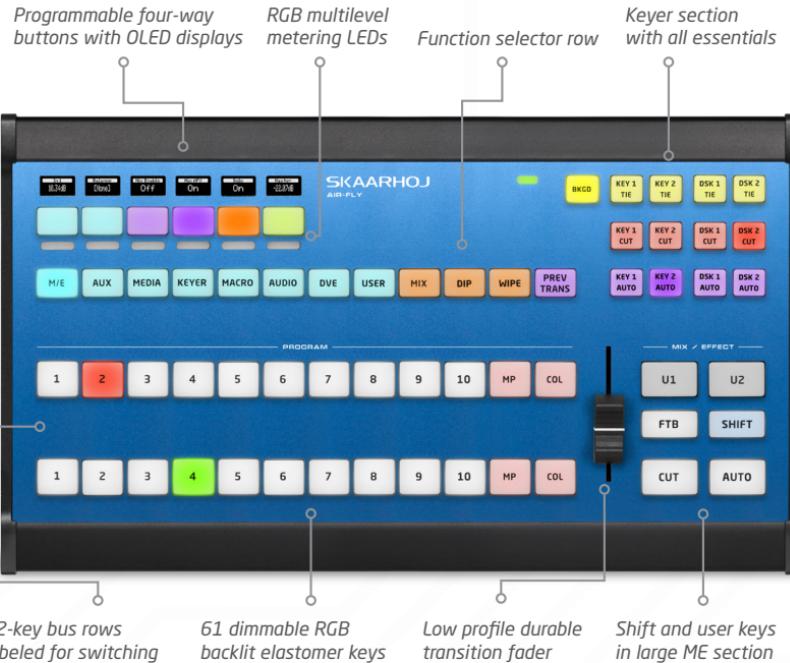
Option: NKK Buttons



Get tactile precision and order Air Fly Pro with NKK buttons as a paid option



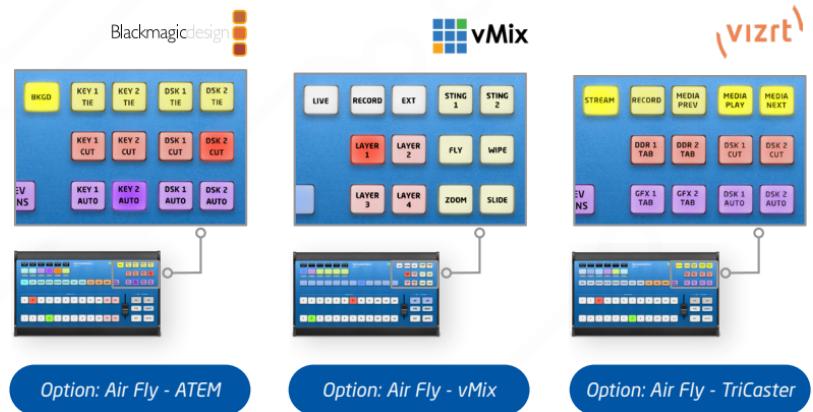
Air Fly



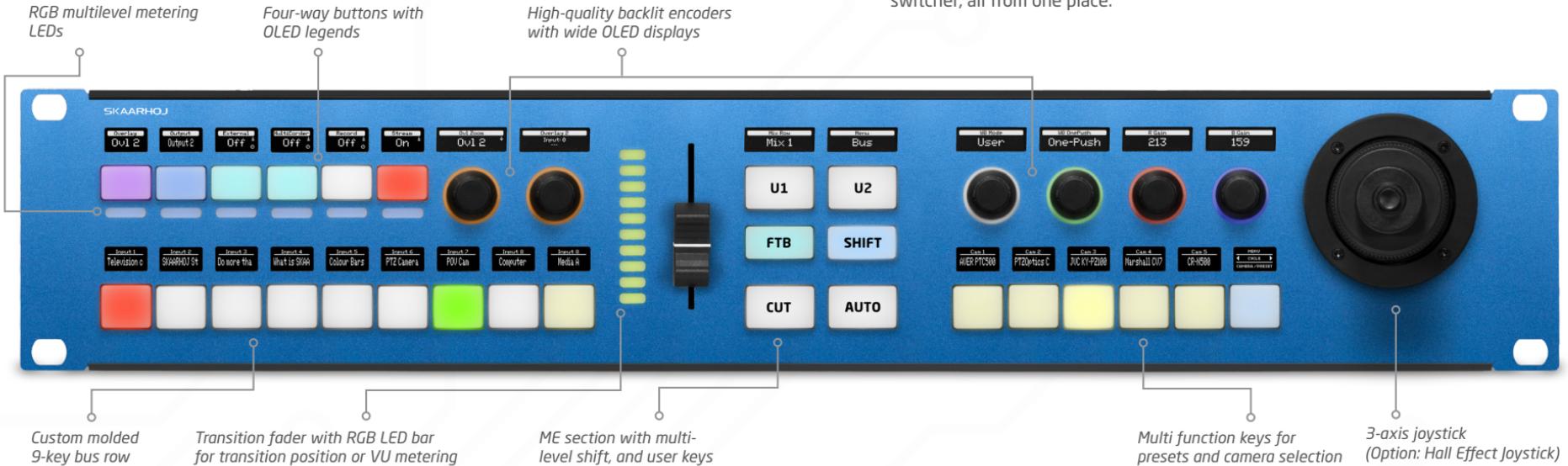
ATEM, TriCaster and vMix variants have unique key labels designed for the features of each system.

With Air Fly you have a full featured desktop controller for live switching with Tricaster, ATEM or vMix systems that works out of the box!

Nevertheless you can still customize its function. Strong industrial design that gives you all the power you need in a single panel with no external bridging tools.



Rack Fusion Live



Get tactile precision and order Rack Fusion Live with NKK buttons or a Hall Effect Joystick as a paid option

Option: Hall Effect Joystick



Option: NKK Buttons



Audio Control

Panels made to listen to what you want to control

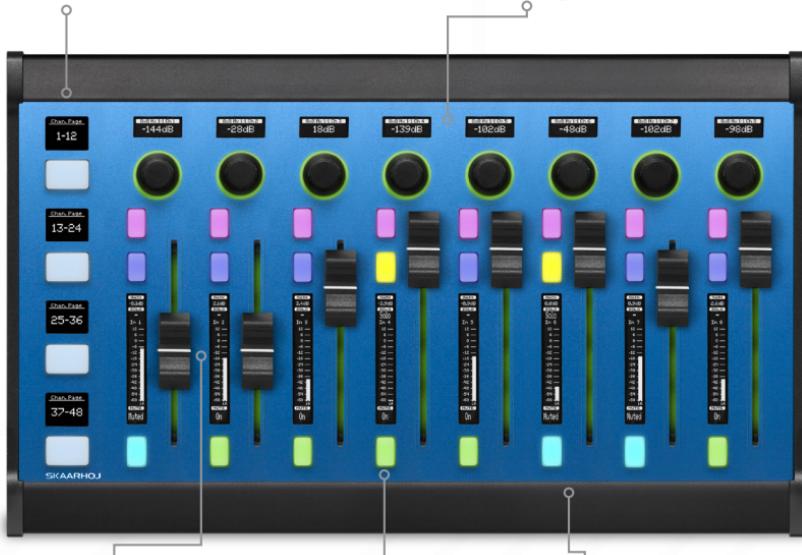
Control audio software and hardware such as Waves, Ember+, DirectOut PRODIGY.MP, TriCaster, vMix, ATEM switchers, Biamp, Q-SYS, Yamaha, Allen&Heath, Behringer X32 and Digico.

Perfect solutions for when you want to control mixing consoles, equalization and compression devices, and multi-track recording systems.



Wave Board

Expand beyond 8 channels with sophisticated meta control section



Monitor audio levels with precise OLED VU meters!

Discrete buttons for channel solo, mute, etc.

8 channels of motorized faders for parameter and volume control

Wave Board Mini

Tactile audio control for your production! A perfect companion to any ATEM or vMix setup. Control even more sound devices like Waves, Ember+, DirectOut, TriCaster, Biamp, Q-SYS, Yamaha, Allen&Heath, Behringer X32, DiGiCo, and more.



4 channels of motorized faders for parameter and volume control



Snap them together and expand your fader banks!

Camera Shading Control

**Panels where pixel precision
meets the art of shading**

With our powerful color and shading control, you can fine-tune your cameras to absolute perfection. We support a wide range of cameras and devices from Blackmagic Design, Canon, RED, ARRI, DreamChip, Sony, Panasonic, JVC, AJA, IO Industries, and pretty much any PTZ camera out there!



RCP Pro

If you want the best comfort and most innovative components, RCP Pro is your choice. This high-end camera controller has everything you love from our standard RCPv2, but taken to a really exclusive level! Furthermore it has Blue Pill Inside to support all the new high-end cameras coming to the live production market of today.

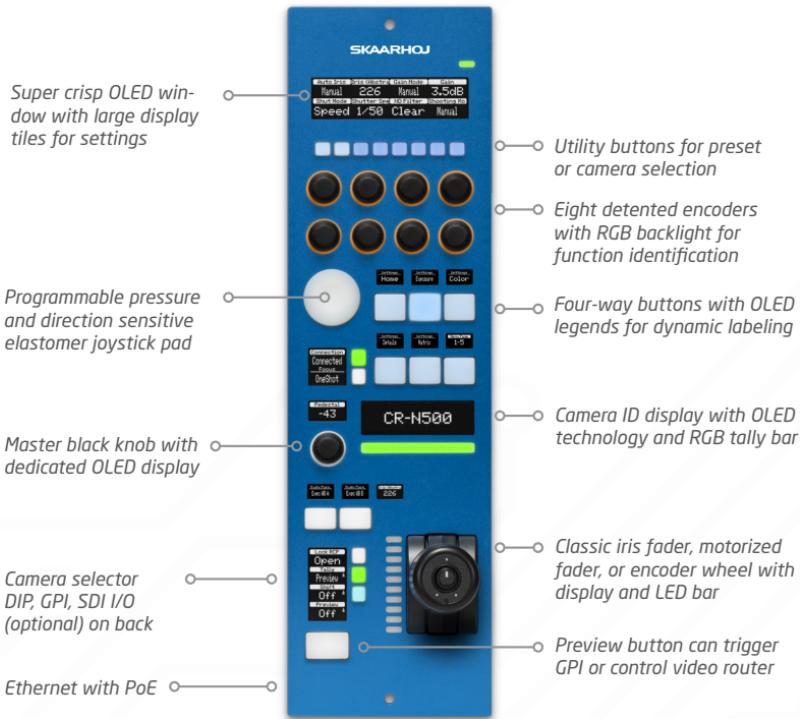


RCP Mini

The RCP Mini fits more RCP units in small spaces, perfect for OB trucks. It includes SKAARHOJs leading RCP joystick with an OLED display, encoder ring, and LED on the handle. Despite its simplicity, it maintains full compatibility with major camera brands. This ensures it delivers the same level of robust control as the RCP Pro, yet in a significantly more compact form factor.



RCPv2

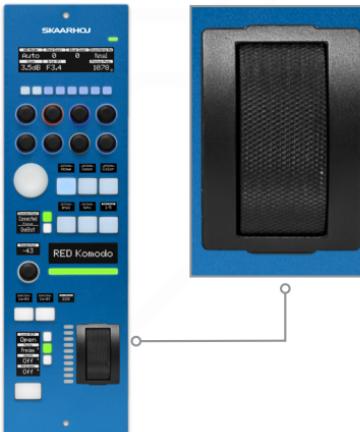


This is the world's most flexible RCP. Whether you mount it in your rack or place it on your desk, the RCPv2 adapts to your setup.

Go with the roller wheel or the motorized fader - either way, you're in full control of your multi-camera workflow.

Built for scalability and designed to feel great in your hands, it's all about a smooth and unified user experience.

You can easily combine one or more RCPv2s into a powerful cost effective package for shading of many cameras.



Option: Roller Wheel



Option: Motorized Fader

Color Fly

Programmable four-way buttons with OLED legends

RGB backlit encoders with crisp widescreen OLED legends

Optional SDI I/O for Blackmagic Design Camera Control



Camera selection and multilevel shift key - control 4, 8 or even more cameras

Graphical widgets for level monitoring and assignable buttons

4 motorized faders for multi-camera iris control



Color Fly is your uncompromising multi-camera RCP bringing you innovative iris control with motorized faders. You get the tactile position feedback of the classic iris joystick but can easily manage 4-8 or more cameras from the same compact panel. With Blue Pill inside you can easily add and mix cameras onto the controller in a few clicks with network device discovery!

Routing Control

Panels designed for sending video or audio signals

Control video routers, window processors, multiviewers, monitors, software, recording decks and streaming devices from brands such as AJA, Blackmagic Design, Ensemble Designs, Sony, Atomos and NETIO.

But that's just the beginning we also support protocols such as HTTP, TCP, UDP, OSC Artnet or SW-P-08.



Rack Pro Series

Perfect for System Integration

The Rack Pro series is shown here with dummy colors and displays sent via Raw Panel over TCP, showing what's possible when you integrate it with your own setup which we call Raw Panel mode. All SKAARHOJ panels are built for connecting to third party software and hardware it's in our DNA! Scan the QR code and learn how to add your setup to SKAARHOJ controllers.



Sculptured cap RGB broadcast buttons
NKK Japanese quality, best of the best



Backlit encoders with crisp graphical OLED displays

Rack Fly Series

Perfect for System Integration

Rack Fly Uno, Duo and Trio are raw muscle. All programmable four-way buttons. All RGB color coded. You deserve this for your universal control needs whether it's a video router, your VSM system or an AUX bus.



Rack Fly Uno

○ Unparalleled flexibility with four-way buttons and OLED displays



Rack Fly Duo

→ *RGB multilevel metering leds*



- Mount in rack or use as a desk controller

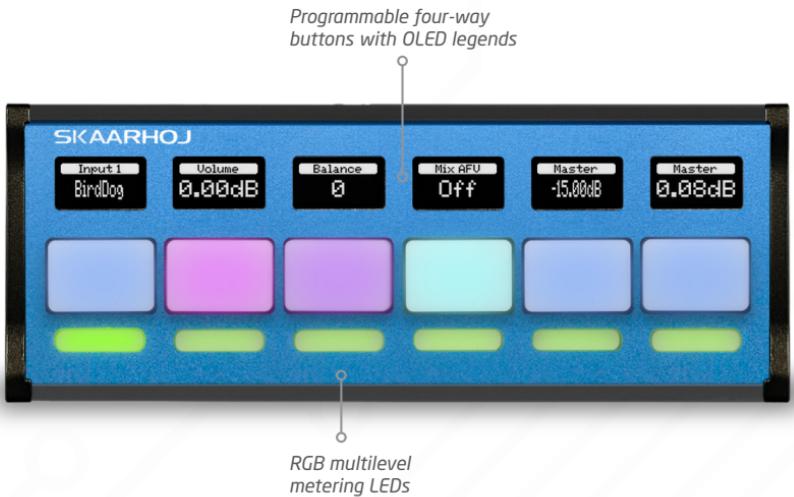
Rack Control Series

Perfect for System Integration

Rack Control Uno and Duo are ideal for routing, audio, and multi-parameter control across devices, on your table or in the rack. These are ultra-flexible rack controllers with four-way buttons, backlit encoders, RGB coloring, and crisp OLED displays.



Quick Bar



Size doesn't limit power. The slim profile of the Quick Bar makes it ideal for installations where space is limited, such as OB vans or flypacks. Despite its compact size, it delivers full functionality with programmable four-way buttons and an intuitive layout, ensuring operators have quick access to critical functions without sacrificing functionality.



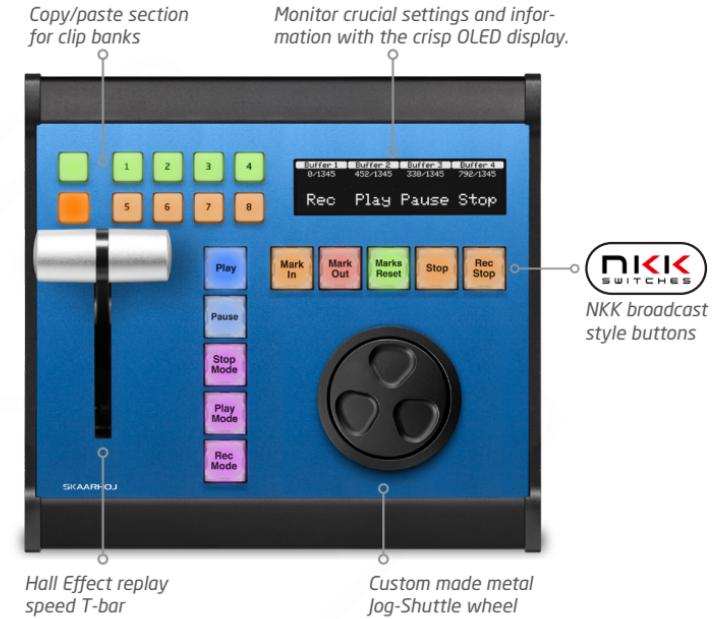
Replay Control

Panels designed to play it one more time

Panels designed to play it one more time. What's sports streaming without instant replay? SKAARHOJ's state-of-the-art controller empowers your replay experience with vMix, TriCaster, Dream Chip, or Softron. Get started fast with default configs, and customize everything to fit your needs.

Time Spin

The ultimate flexible replay controller, compatible with Raw Panel Protocol, featuring premium NKK Buttons and a smooth SKAARHOJ T-bar.



Link IO Accessories

Smart Bridge Devices for Connecting Broadcast Gear to Your Network

Link IO is the glue. A lineup of tools that bridges real-world signals to network data. It carries tally and shading data to and from SDI, handles your GPIOs, relays, and opto-isolated inputs, and takes LANC into the world of IPv4.



Link IO Accessories

TCP Link for ATEM

This is the solution to connect Blackmagic Design ATEM switchers to Crestron, Extron, AMX, QSC and similar AV systems that typically let you set up a basic TCP connection. Most ATEM commands are systematically implemented for two-way data exchange.

ETH-GPI Link or ETH-GPI Link Dual

Ethernet to GPIO (General Purpose Interface) with UniSketch OS. Connects relays and opto-isolated inputs with network events. Use it to switch or route a source, start/stop recording, turn on tally lamps etc. 2x8 Inputs/Outputs with option for additional 2x8 I/O. To unleash the full potential, connect it via Raw Panel to any Blue Pill Inside device



TCP Link for ATFM



ETH-GPII link



ETH-GPI Link Dual

ETH-SDI Link

Receives camera control information over Ethernet and forwards it to the SDI output. This is ideal for controlling the shading of a BlackMagic camera without the need for an ATEM switcher. Additionally, an alternative firmware is available for this device, designed to accommodate a variety of use cases.



ETH-SDI Link



ETH-LANC Link

ETH-LANC Link

Converts LANC data to and from ethernet for use with SKAARHOJ controllers, for instance to enable Sony LANC and Canon RC-V100.



ETH-B4 Link

ETH-B4 Link

This device gives you lens control for B4 lenses if your camera can't do it on its own. It not only receives lens data and tally information but also powers your lens. This makes it ideal for use with RED, Lumix, and Black-magic cameras.

Smart Tally



Smart Tally delivers clear, reliable tally indication across any production setup - on its own or as part of a larger SKAARHOJ ecosystem. This makes it a super flexible choice for studios, theatres, auditoriums and any mixed-brand environment. Built for modern production it is now fully IP-based breaking the limits of point-to-point connections so it keeps talent and production team perfectly in sync. And the best thing yet - it's full RGB so it's not limited only to tally workflows but it can be used as cue lamp or dynamic light!

Tally Link & Lights

Connects multiple SKAARHOJ Tally Lamps using CAT5e. Lamps can be connected in a star-topology (every lamp connects to Tally Box) or you can daisy chain up to three lamps on a single wire. Tally Box is configurable so that you can create a tally for any device core you wish - like ATEM Switchers, vMix, TSL etc.

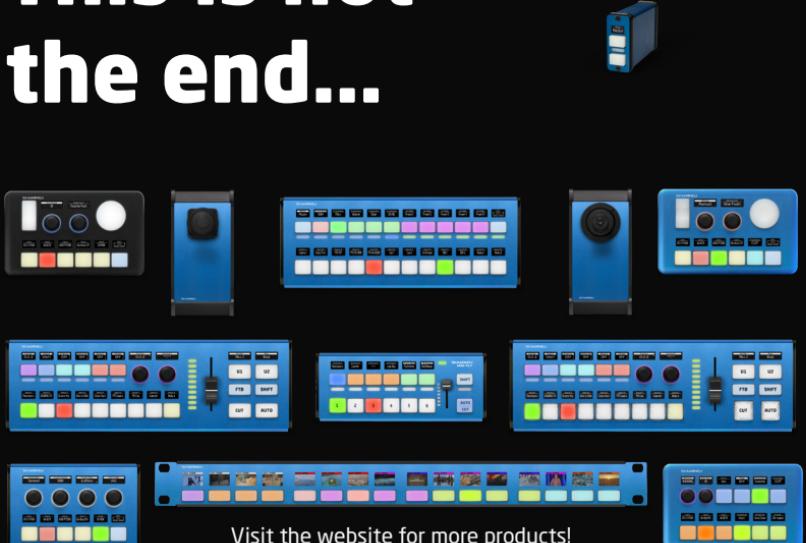


Blue Pill



This multipurpose hub powers the SKAARHOJ ecosystem by hosting Device Cores and Reactor, complete with panel simulation for flexible workflows. It enables remote operation across distant locations and aggregates multiple Device Cores for virtually unlimited device control. The unit also manages SKAARHOJ licenses and functions as a Blue Pill bridge, connecting Link I/O accessories and legacy UniSketch devices into one seamless setup.

This is not the end...



Truth be told, in this book we are not showing all the products that SKAARHOJ offers. On skaarhoj.com you can check the full portfolio of products that are available. If you need help picking out the right controller for you, feel free to contact us, we will be happy to help.



On our YouTube channel you can learn all about our products, learn what we integrate with and find our training videos. youtube.com/skaarhoj



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That's a Wrap!



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