
42 CONTROLS®
BECAUSE CONTROL IS LOGIC.

YOUR QUESTIONS...

WHAT IS 42 CONTROLS?

WHAT DOES IT DO?

WHAT IS IT GOOD FOR?

WHAT DOES IT LOOK LIKE?

WHAT'S INSIDE?

INTRODUCTION – WHAT IS IT?

- Reliable
- Developed and Made in Germany

42 CONTROLS®

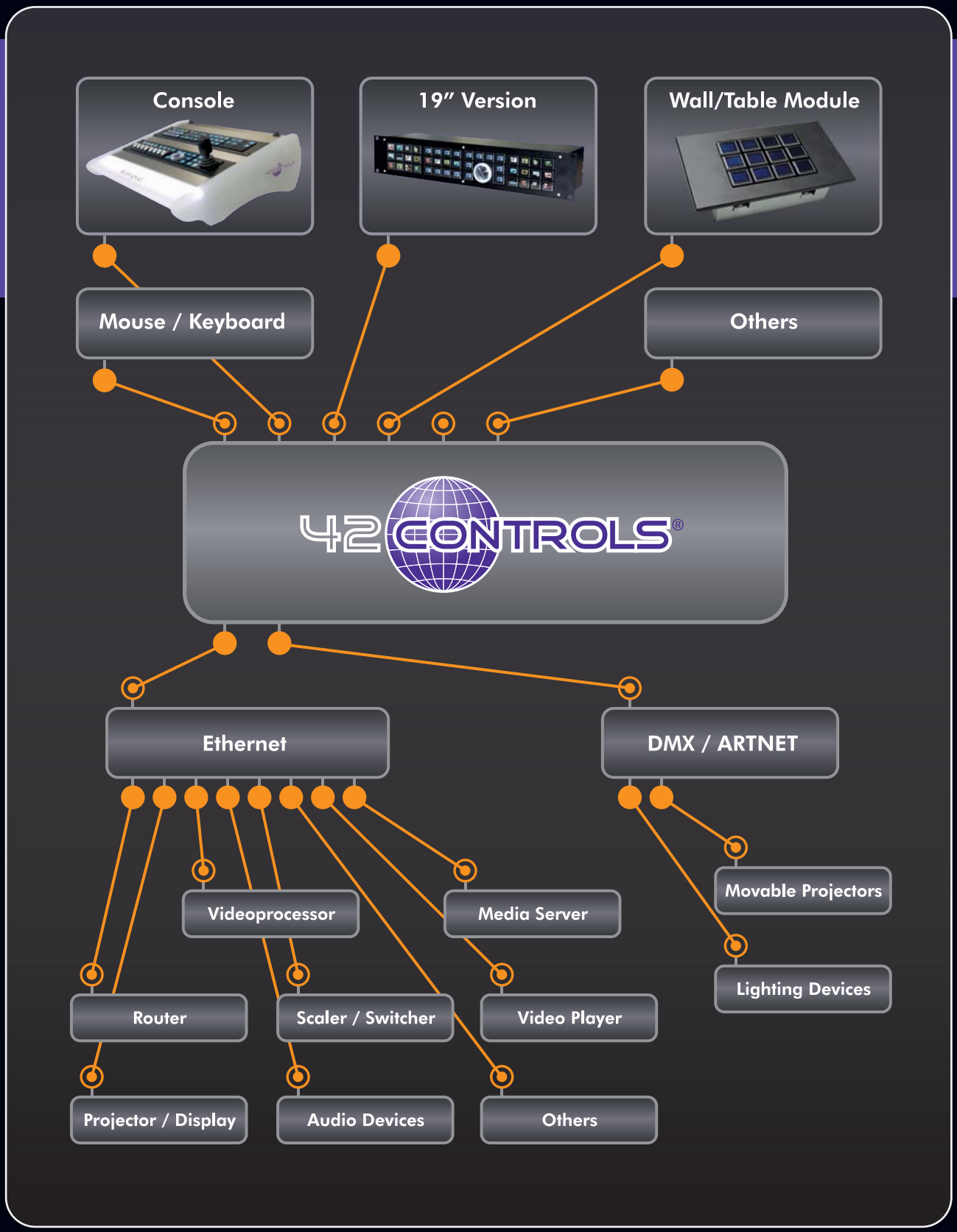
...is a modular control system for a broad range of applications, including but not limited to Rental & Staging, Broadcast, Conference Rooms, Command & Control, Building Automation, Facility Management, Digital Signage, Industrial Control or Residential Installations. The combination of reliable hardware and easy-to-use software provides a synergy unmatched by other solutions.

Our system enables you to quickly set up a central point of control for multiple devices. Easily configure intuitive and flexible control interfaces with nested menus and dynamic visual feedback.

Thanks to the modular design 42 CONTROLS® is highly customizable to meet your requirements. Choose from a range of durable frames and high-end input modules to build your controller or ask us for an individual tailor-made solution.

With the complementary programming tool PIDEF™ you have all the flexibility of a full-fledged programming language at your fingertips without writing a single line of code. PIDEF™ is user-extensible by design and, coupled with the universal control protocol GDCP®, makes it easy to integrate almost any device into your system.

What does 42 CONTROLS® do?



Application: Rental & Staging

- Haptical & optical feedback
- Show automation
- Save navigation
- Redundancy switching
- Consolidated control

The 42 CONTROLS® S.P.O.C. Console is perfectly suited for live event applications. As a show controller, it allows you to define presets, show cues, automatic redundancy switching and much more.

With eight slots for input modules, you can control and monitor your whole system without struggling through deeply nested sub-menus. Integrated LEDs with adjustable intensity allow you to read your show scripts even under difficult lighting conditions. The haptical and fully-programmable visual feedback of the OLED buttons keeps you up-to-date about the state of connected devices and helps you manage the show perfectly.

By simplifying complex devices into simple control units, you can trigger any important function and keep track of the current state. Now, a whole event – including audio, video, light and PowerPoint sources – can be run by a single person with a 42 CONTROLS® console.

Application: Broadcast

- Redundancy switching
- User programmable logic
- Broadcast on air automation
- Unlimited menu & control levels
- Feedback & preview on OLED keys

Controlling and monitoring your whole set has never been easier. With 42 CONTROLS®, you can define your own control logic and presets in just a few steps. Through customizable menus and freely configurable buttons, you can control even the most complex setups. The easy-to-learn programming tool PIDEF™ provides you with the flexibility to change your control layout on the fly.

Our control system serves as the central point of convergence for video, lights, audio and other devices. The flexible programming of pages with separate responsibilities allows all your operators to work smoothly hand-in-hand and thus guarantees a perfect show.

42 CONTROLS® offers automatic redundancy switching and allows you to receive real-time visual feedback for any parameter, be it device state, monitoring data or any other vital information in your uplink chain. This helps you to quickly respond in case of critical events in a live environment.

Virtually map your equipment into an intuitive menu structure to optimize your workflow. Recurrent tasks can be automated according to your needs.

Application: Conference Rooms

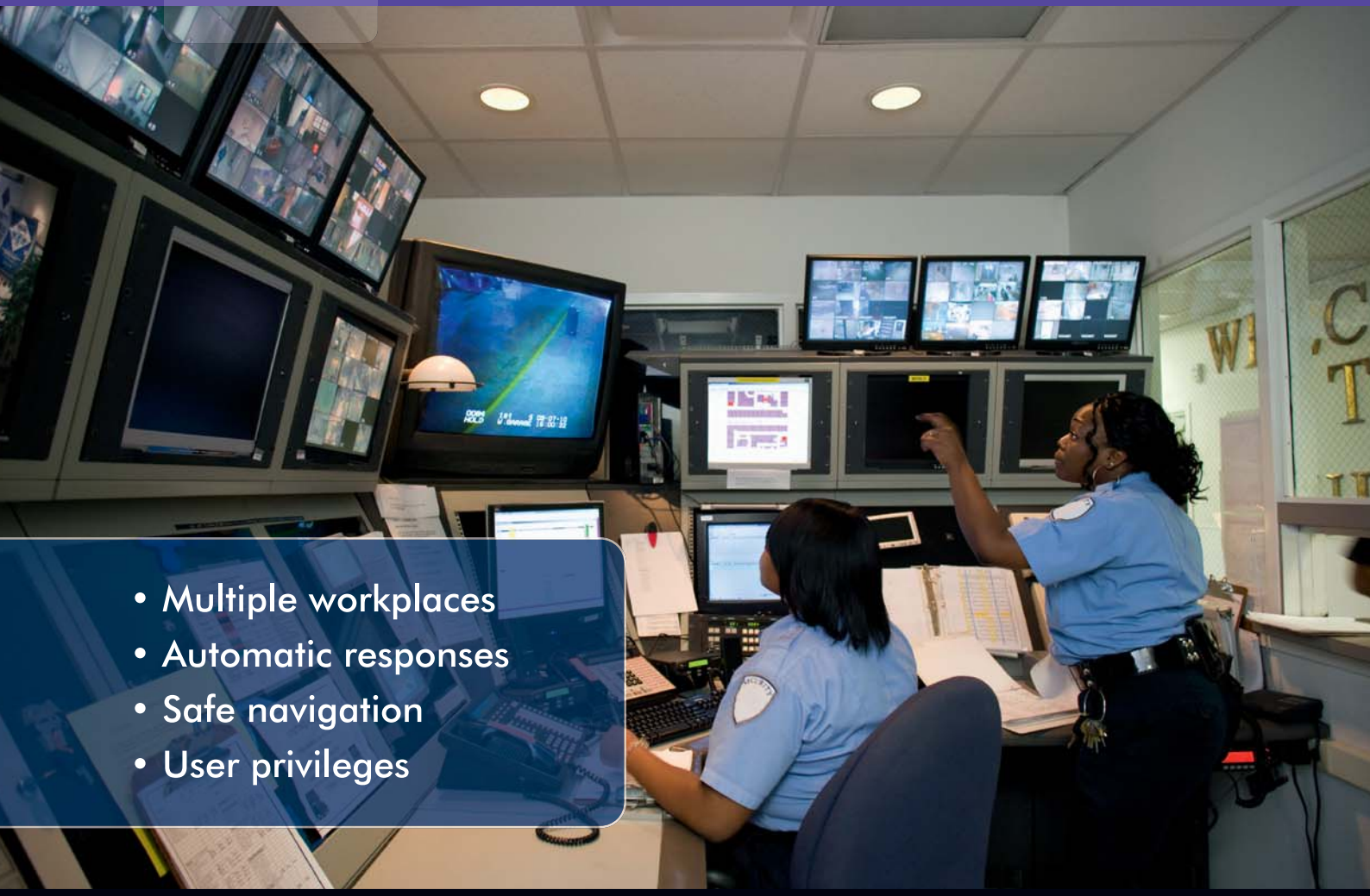
Let the speaker take control. 42 CONTROLS® allows you to integrate matrices, audio & video players, lighting and many more devices into one seamless system. Customizable wall- or table-mounted input modules blend in perfectly into any installation.

With our unique programming tool PIDEF™, you can program complex functions, e.g. turning on the projector, dimming the lights and closing the blinds simultaneously. Easily and quickly create multiple control layouts for different types of events. By displaying information usage hints on the High Color OLED buttons, you can enable even inexperienced users to control all important aspects of the presentation.

Linking several input modules together allows for multiple points of control throughout the room or building. For public installations, 42 CONTROLS® offers the feature to assign user permissions to sensitive functions.

- Control multiple devices at the touch of a button
- High Color OLED buttons
- Table- or Wall-Mounted
- Simplify complex systems

Application: Command & Control



- Multiple workplaces
- Automatic responses
- Safe navigation
- User privileges

One 42 CONTROLS® system can serve multiple workplaces simultaneously. Workplaces can share information and access system functions concurrently or act individually with specific user privileges.

Operators can manually control the system or configure automatic responses to external events. The display integrated into the buttons can usage hints or any other visual feedback about the system state.

With the dedicated PIDEF™ programming tool you can create reliable functions and menus that are easy and safe to navigate.

Other Applications

- Digital Signage
- Facility Management
- Industrial Control
- Residential Installations

The 42 CONTROLS® system coupled with PIDEF™ can meet any requirement necessary to satisfy your customers. Whether automating your air conditioning, monitoring your coffee maker or controlling your IT-infra-structure, we can provide the perfect solution.

Hardware: Available Frames

S.P.O.C. Console

The 42 CONTROLS® S.P.O.C. (single point of control) console offers eight module slots that can be configured with any combination of the available high-end input modules. The LED bar in the wrist rest and two gooseneck LED lamps are adjustable in brightness. Several I/O options are available.

19" Version

The 19" rackmount version equipped with up to four input modules of your choice perfectly fits into any system. It is available as stand-alone unit with an integrated server or as passive extension unit, controlled from a remote 42 CONTROLS® server.

Wall / Table module

This frame for a single input module can be installed into any furniture, table or wall. Multiple such modules can be connected to one 42 CONTROLS® server. Thanks to its design you won't see any mounting screws. The aluminium front plate is available in any style and color of your choice.

Hardware: Modules & Custom Solutions

Module: A

12 OLED Buttons

Module: B

4 Thumbwheels – 4 OLED Buttons

Module: C

Joystick – 6 OLED Buttons

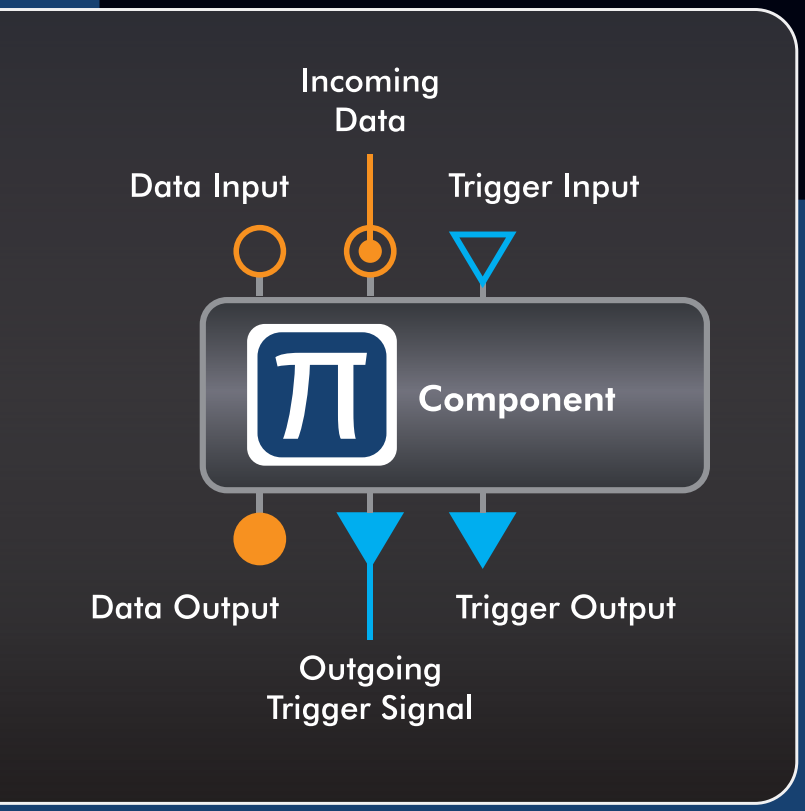
Module: D

Rotary encoder – 8 OLED Buttons

Custom Solutions

Thanks to the modular design custom solutions are available with competitive pricing. This includes variations of the already existing frames and high-end input modules as well as fully customized ones. If required the plug-in based 42 CONTROLS® software can also be extended according to your needs.

PIDEF™ – Programming language of your choice



PIDEF

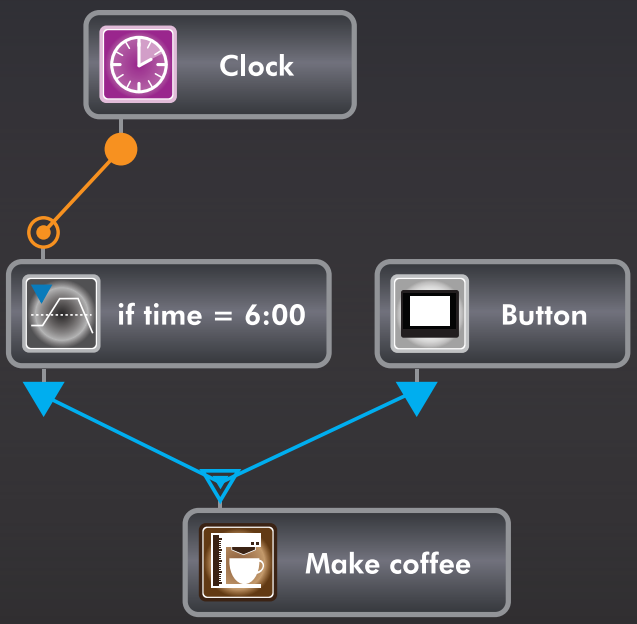
Programmable Interconnected Data & Execution Flow

PIDEF™ (Programmable Interconnected Data & Execution Flow) is a visual, interactive and reactive dataflow programming language.

PIDEF™ comes with a vast library of multi-purpose components that is continuously expanded and refined. If you still can't find the function you are looking for, you can even define your own reusable component that seamlessly integrates into your programs.

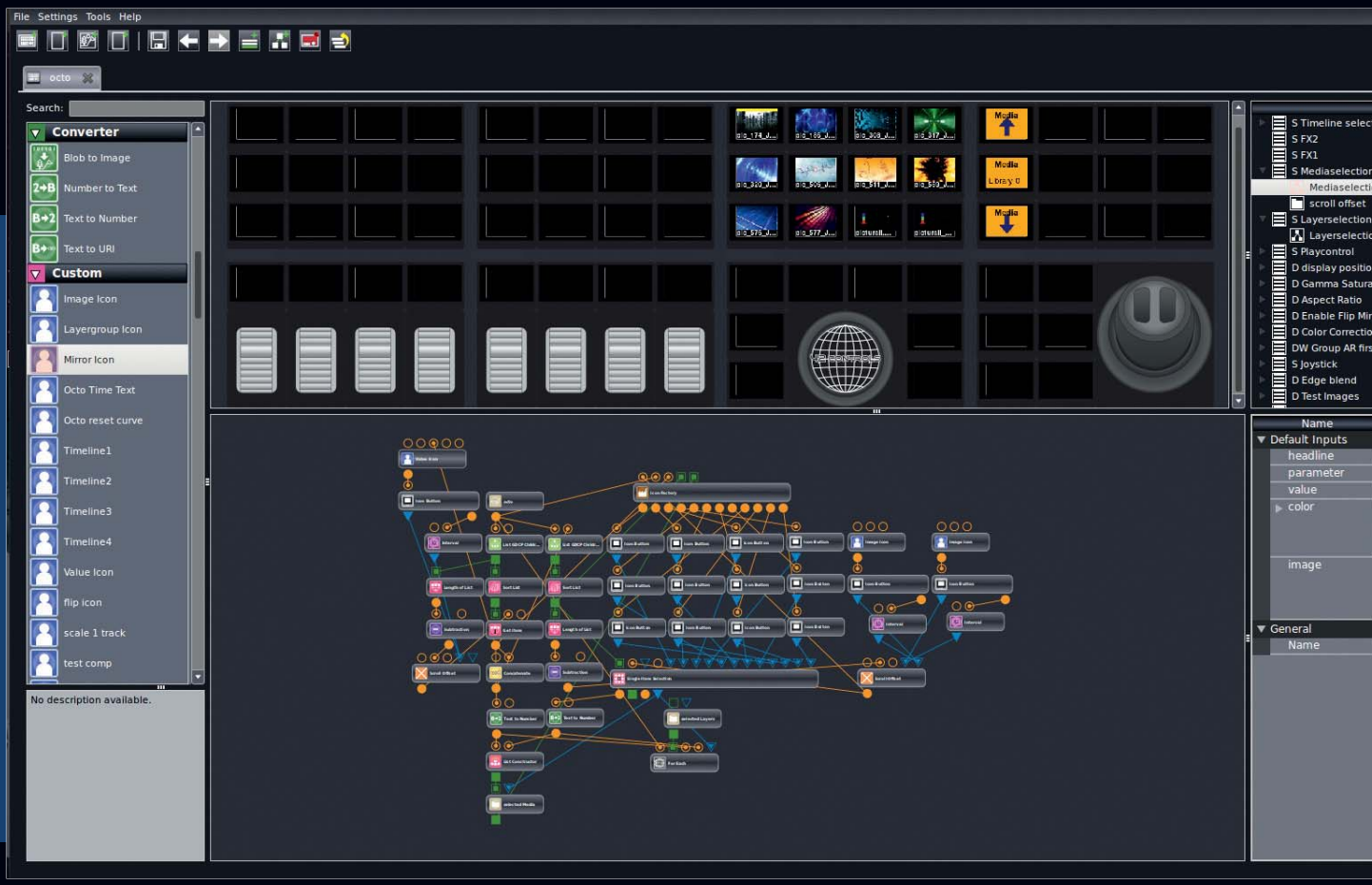
You are free to share your library with other PIDEF™ users.

- **Visual:** Adding a function to your program is as simple as dragging a component into your workspace and connecting it to others.
- **Interactive:** The program can run while you build it, giving you immediate feedback about your changes.
- **Reactive:** PIDEF™ programs can automatically react to external events without any additional work required.
- **Dataflow:** Focus on what your program does, not how it does it. PIDEF™ will handle the details for you.



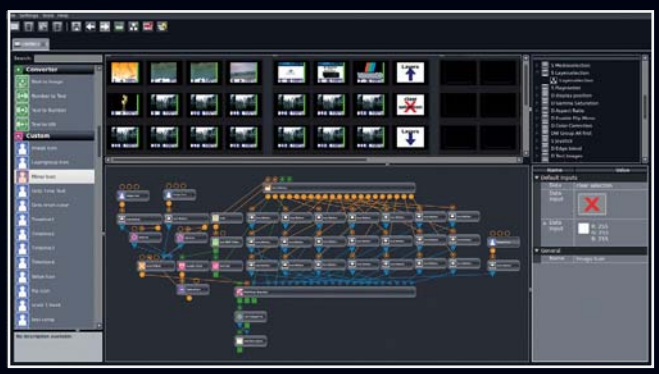
Layout Editor

- Integrates seamlessly
- Live preview on the controller
- Virtually unlimited layers
- Complex control hierarchies



PIDEF™ integrates seamlessly with any of the 42 CONTROLS® input modules and other devices. Connect input elements like buttons and joysticks to your program logic and let PIDEF™ handle the details of how a button press triggers your functions.

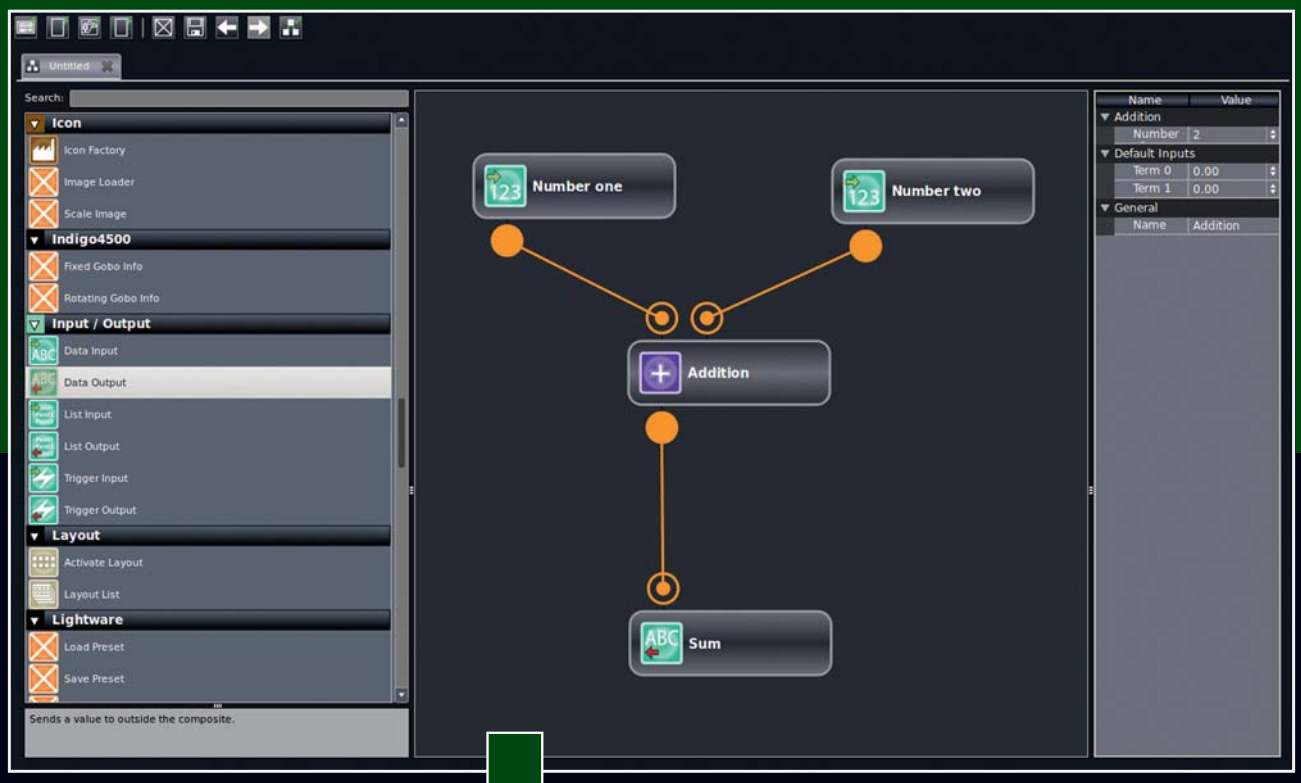
With a virtually unlimited number of layers, you can implement dynamic nested menus and complex control hierarchies that can transparently interact with each other. If you have an appropriate 42 CONTROLS® controller present, you can even continuously test your changes to ensure maximum quality and reliabilty.

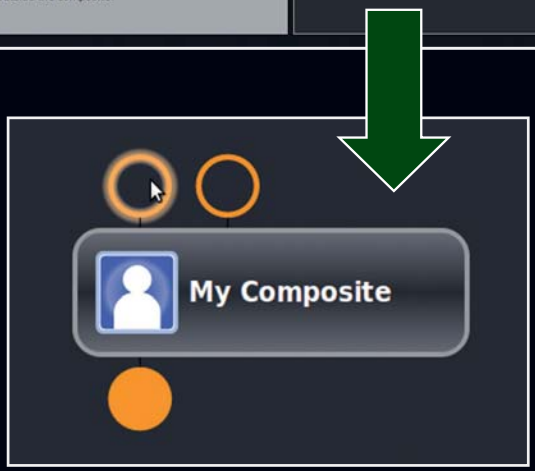


Icon- & Composite Editor

Icon-Editor

Use the full flexibility of PIDEF™ to build and render the icons for the OLED buttons of 42 CONTROLS® input modules. You can assemble your graphics from gradient backgrounds, borders, text, icons or even thumbnails automatically downloaded from your media server. A live preview of the rendered icon helps you position, scale and rotate the components any way you like.





Composite Editor

PIDEF™ is designed to be highly user extensible. In case you don't find the component that does what you want out of the box, you can program your own components that behave like any other PIDEF™ component. Reuse, combine and share these "Composites" however or wherever you want.

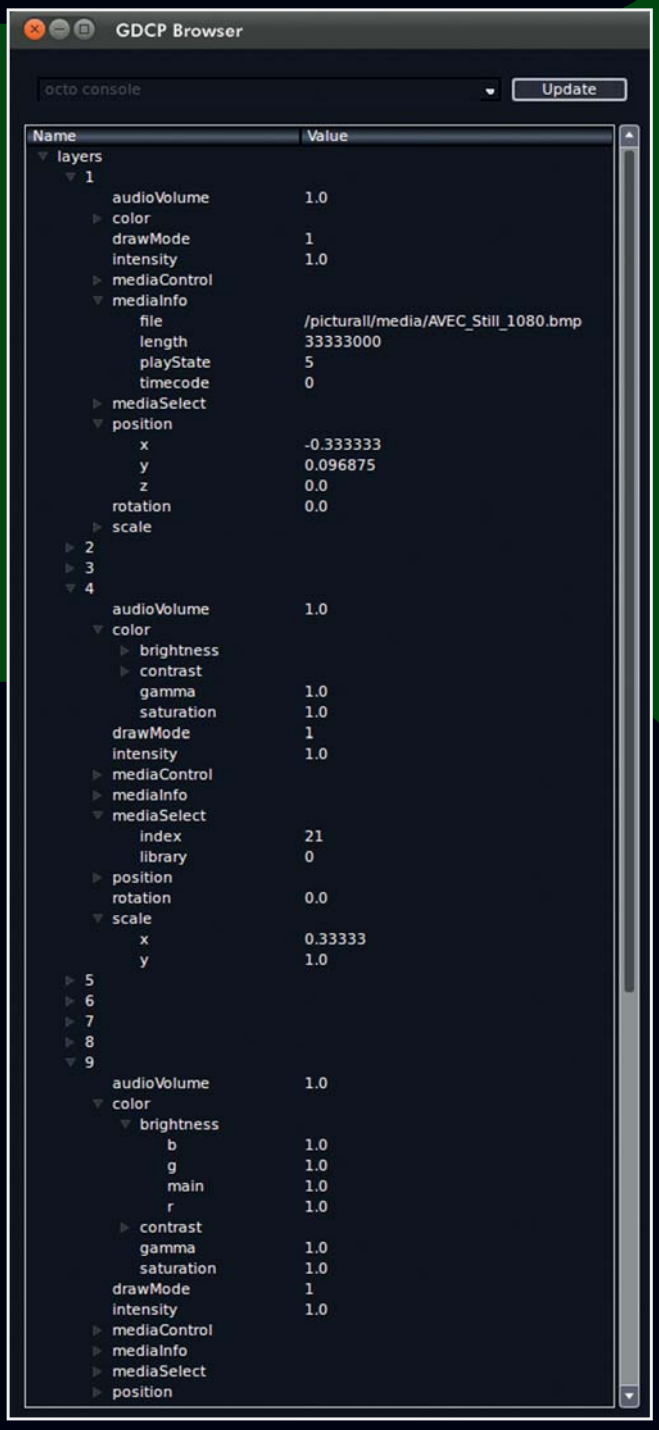
Generic Device Control Protocol

GDCP® is a general purpose control protocol designed to enable maximum interoperability between many different devices. From a simple coffee maker up to a complex video processor or even industrial machine, GDCP® presents the device's state and function in a uniform and easy to understand tree structure.

Through announcements over broad- and / or multicast, GDCP® allows for self-configuring control systems where the controllers automatically find the devices to control. To save network bandwidth and processing power, GDCP® implements a subscriber model, i.e. a client can "subscribe" to specific events on a remote device; as long as the connection stays open, the client will be notified of the relevant state changes.

GDCP® is an open and royalty free standard. Any manufacturer of any device that is controllable in any way is highly welcome to join the consortium and adopt the GDCP® standard. Hardware manufacturers can implement GDCP® either natively or via a translator to their proprietary protocol.

- Easy to implement
- Can represent any device
- Human readable
- Royalty free



Distributed by:

VIDELCO
Europe Limited

VIDELCO Europe Limited
Lise-Meitner-Str. 6 • 40878 Ratingen • Germany
Fon: +49 (0)2102 / 86 39-00 • Fax: -17
E-Mail: info@videlco.eu • www.videlco.eu

WWW.42CONTROLS.COM