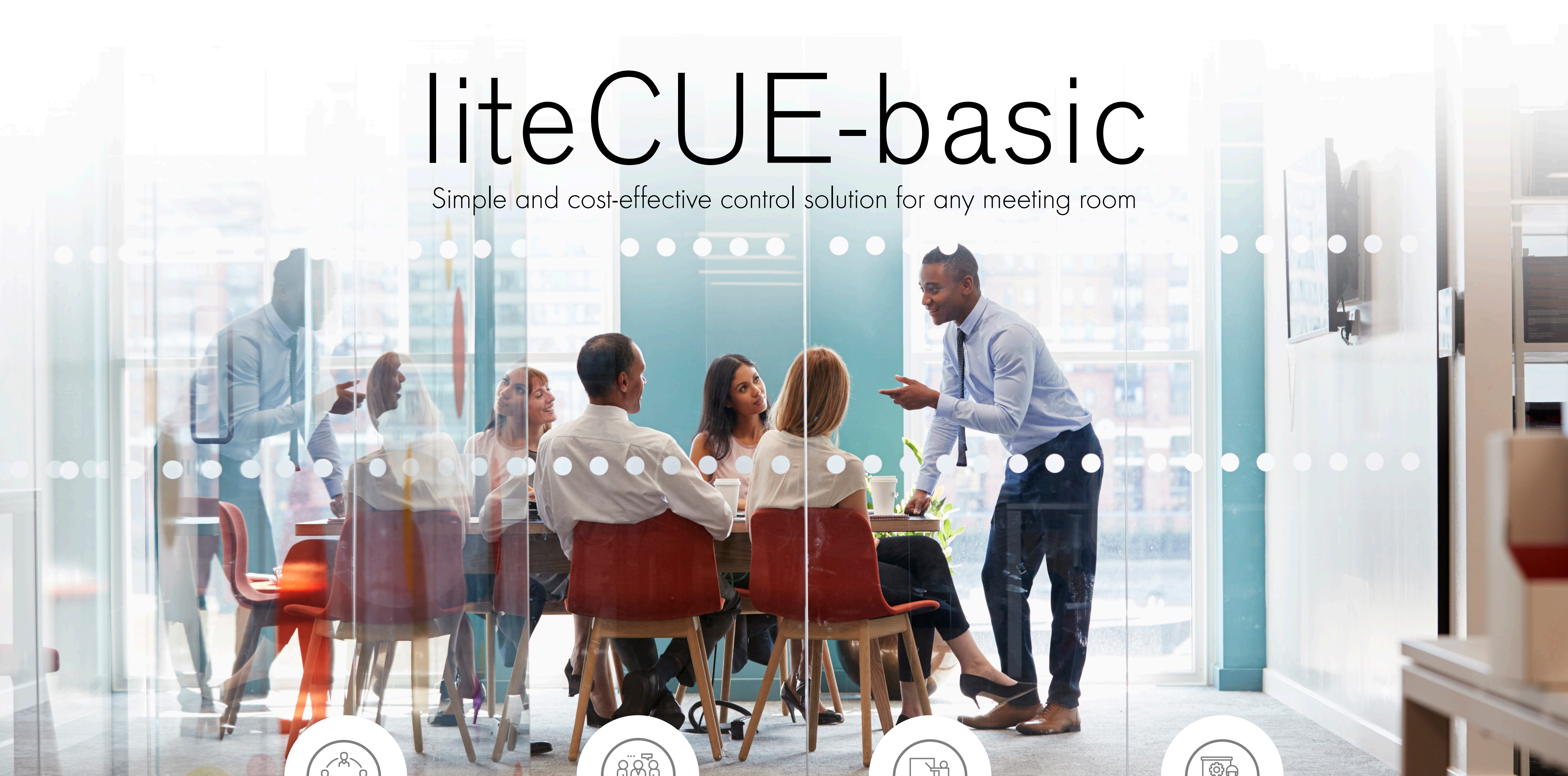


liteCUE-basic

Simple and cost-effective control solution for any meeting room



HUDDLE ROOMS



MEETING ROOMS



CLASSROOMS

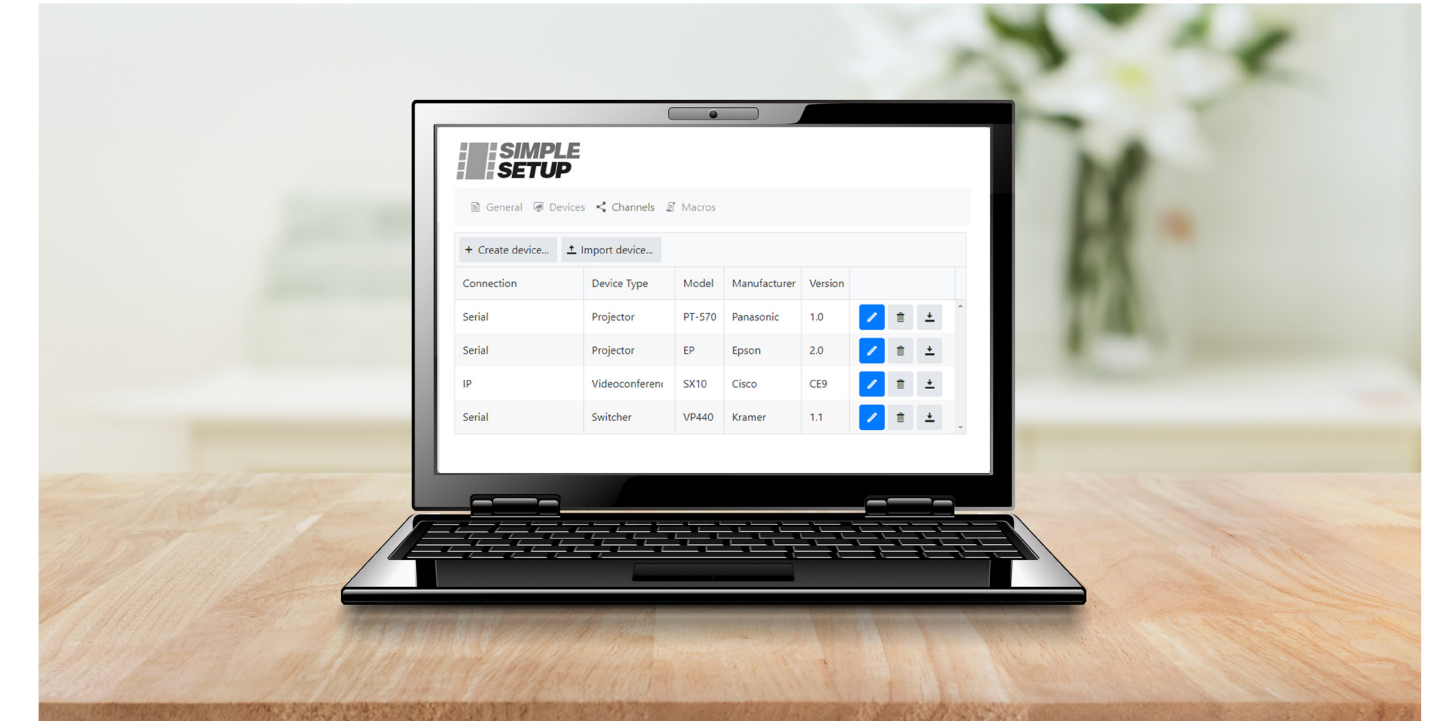


BOARDROOMS

- Introduction
- Application diagram
- Hardware description
 - Connection
 - Control ports
- **Simple Setup**
 - Overview
 - Configuration steps description
- Practical demo



Simple and cost-effective control solution for any meeting room



INTEGRATION

- Easy equipment integration
- No other remote controls required
- Intuitive control by press of the button
- Integration with reservation system

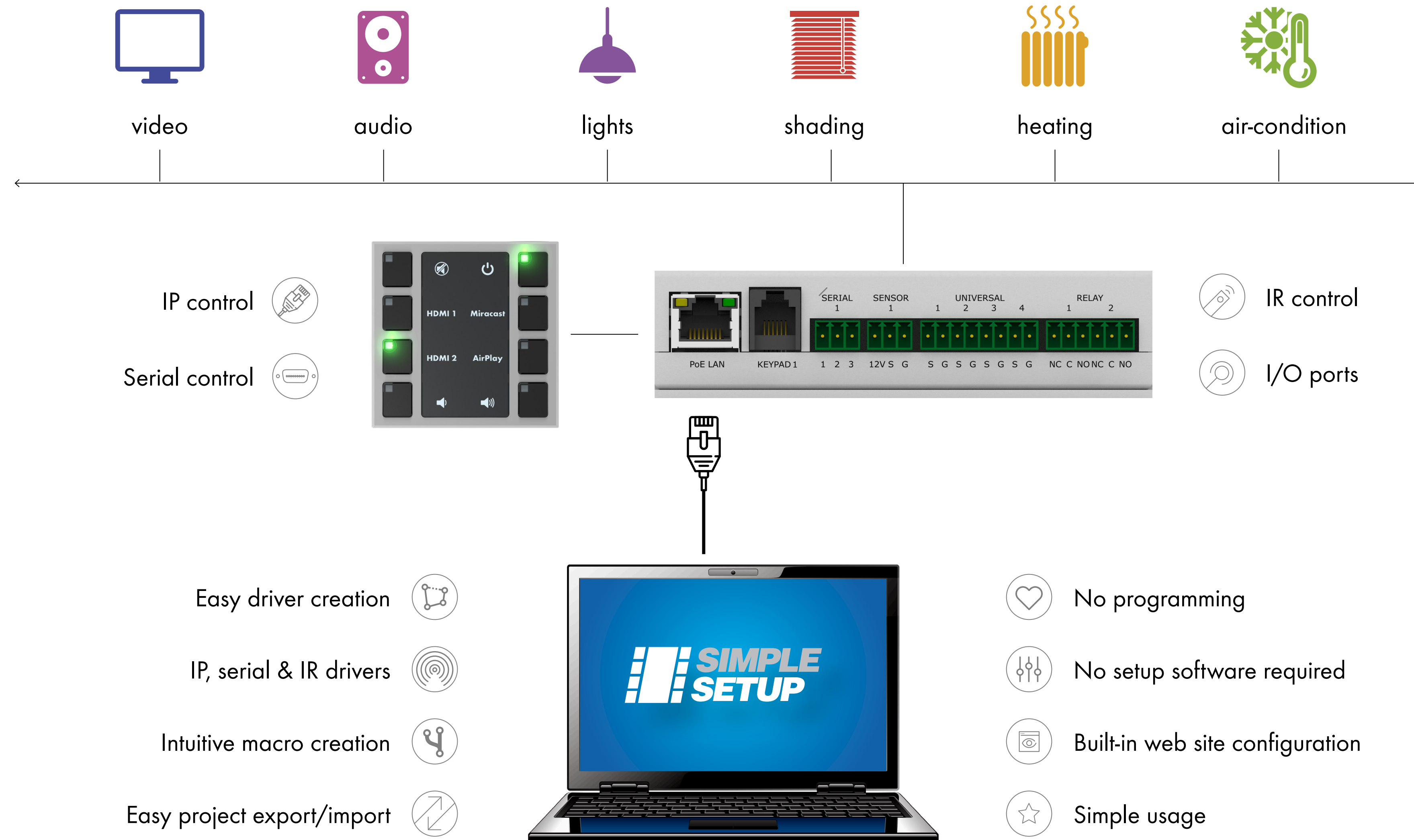
INSTALLATION

- Small dimensions
- Quick installation using Ethernet and PoE
- Keypad wall-mount or tabletop installation
- Compatible with interconnection boxes

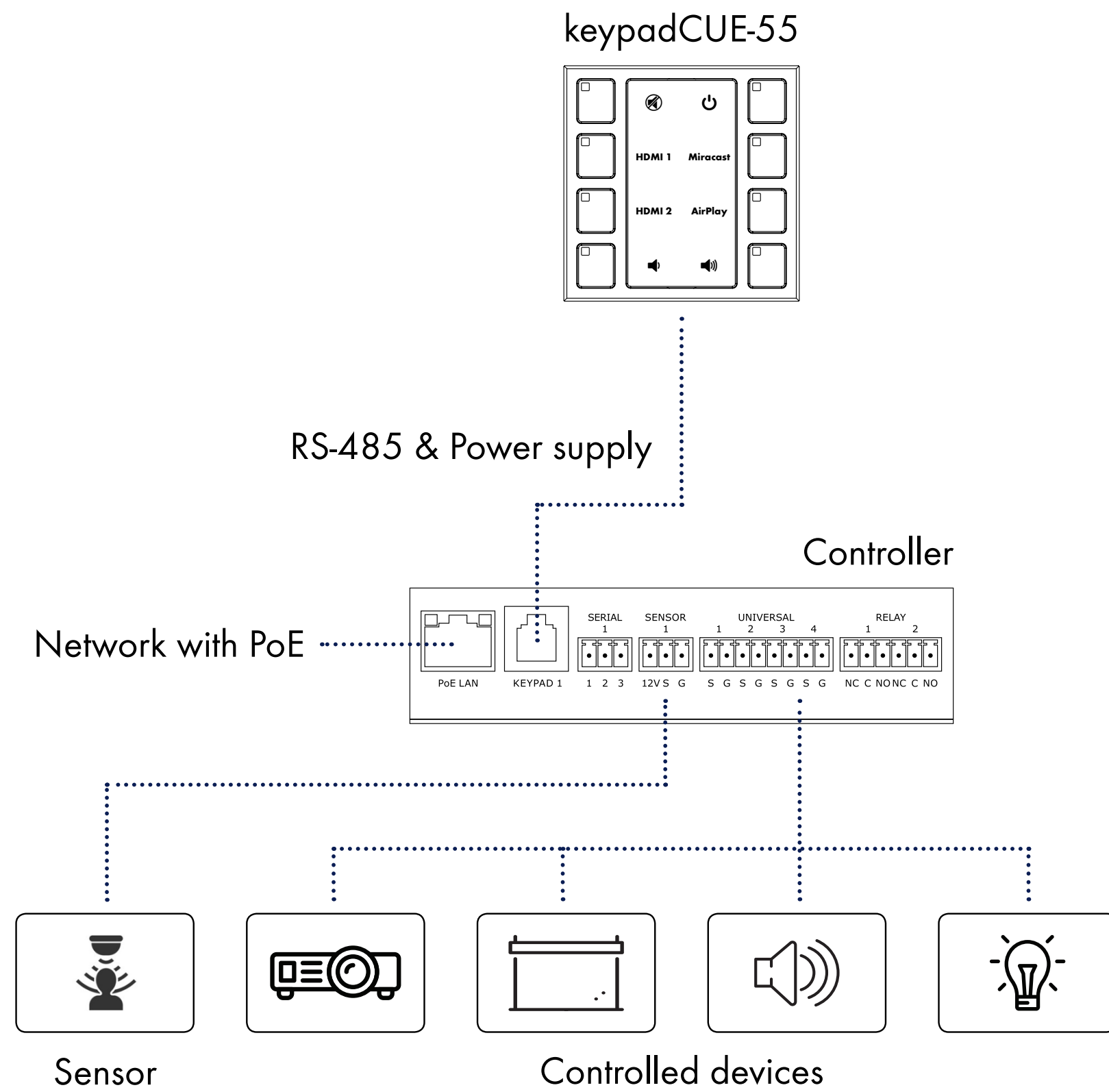
SIMPLE SETUP

- Friendly configuration using built-in web
- No software and programming required
- Powerful support for IP device control
- Various control ports available

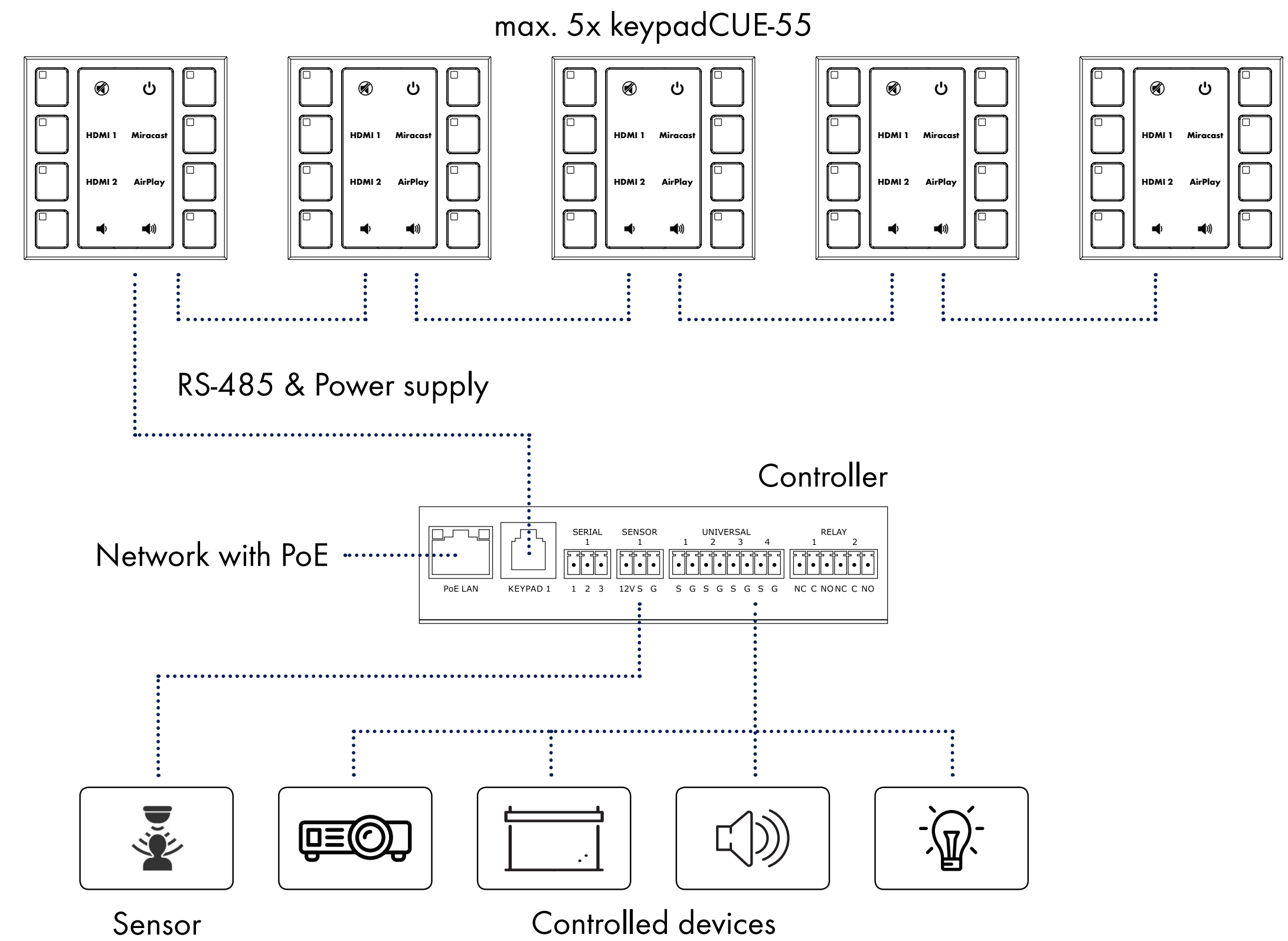
Application Diagram



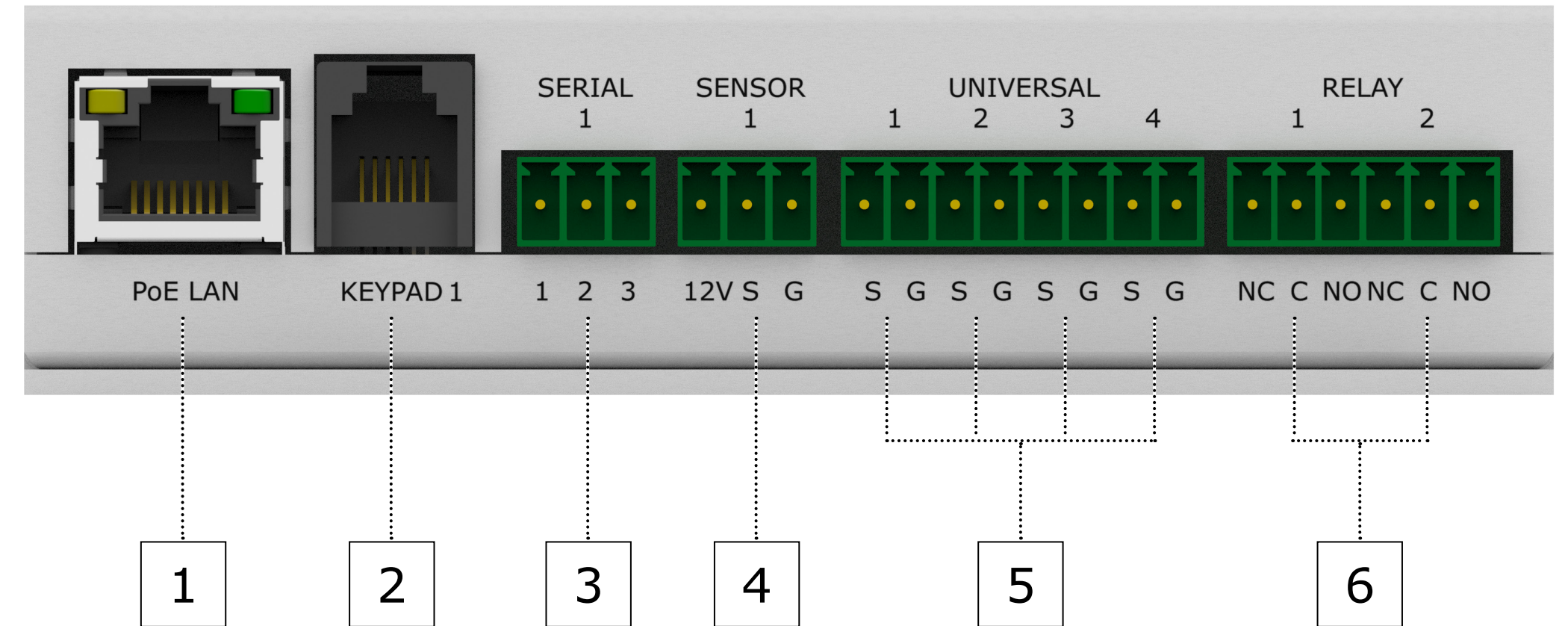
Basic configuration with one keypad



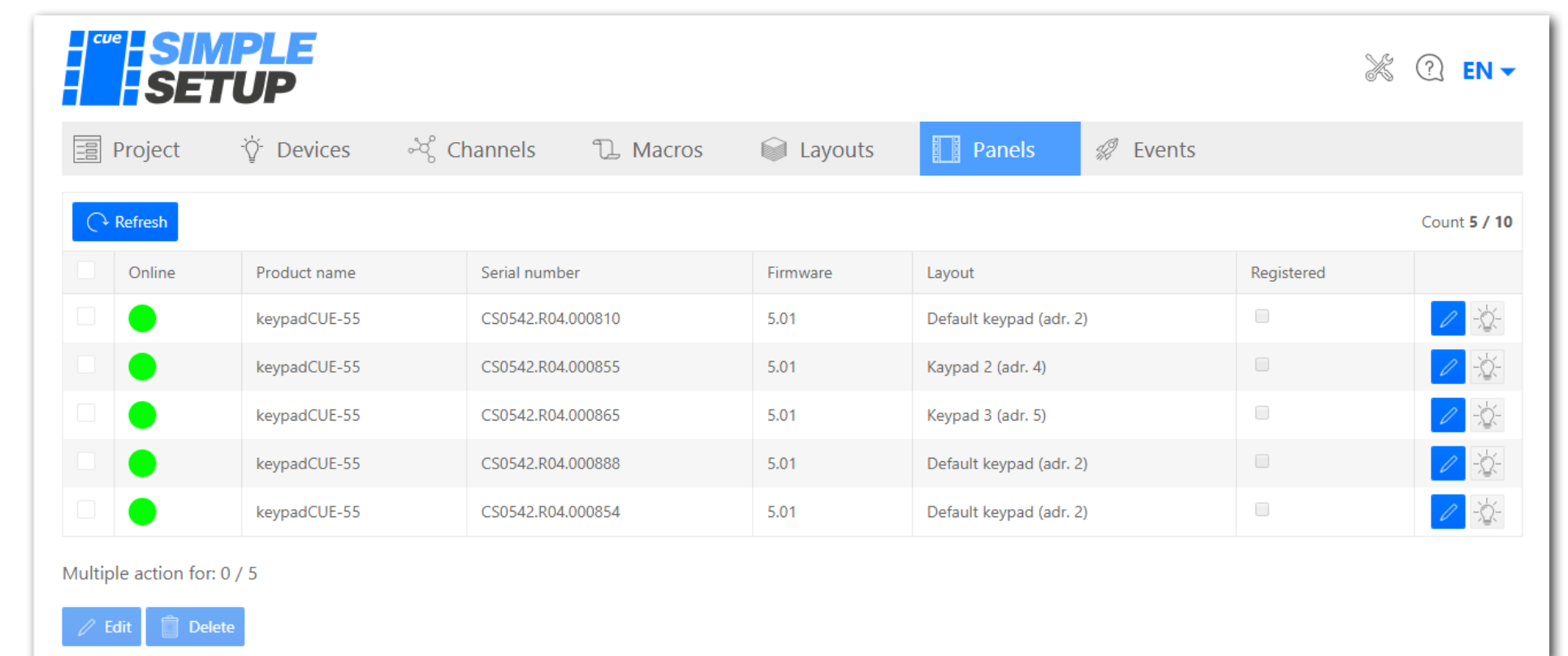
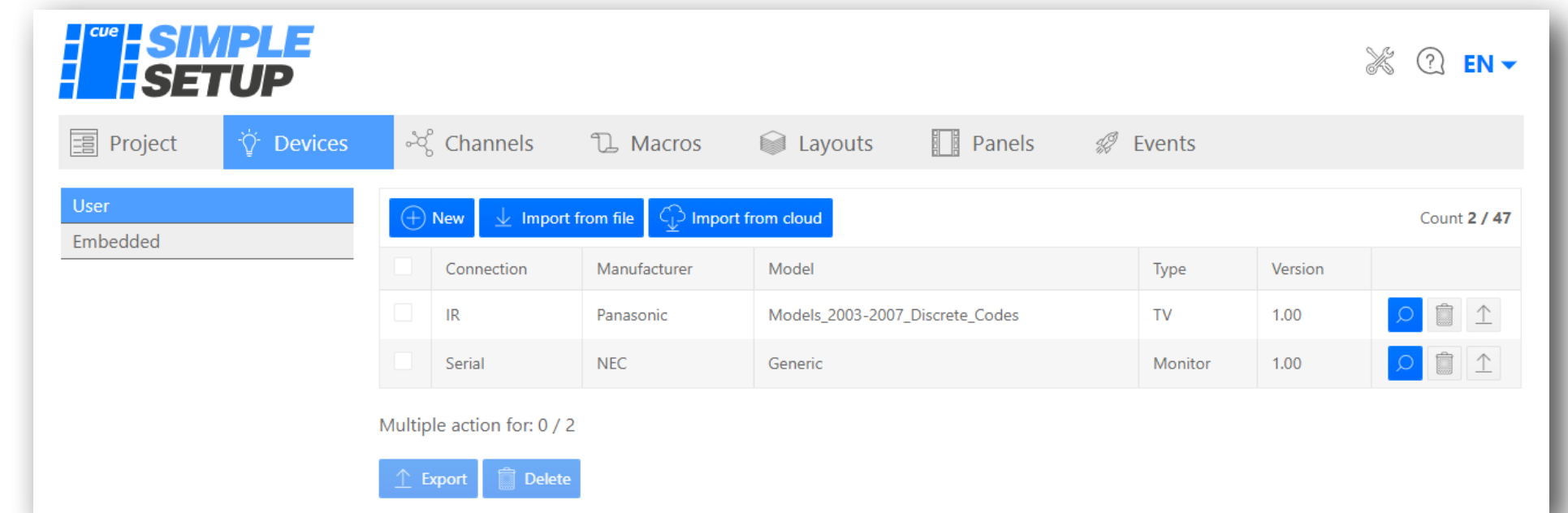
Configuration with multiple keypads



- 1 **IP**
 - Up to 8 controlled devices
- 2 **Keypad port**
 - RS-485 data communication
 - 12 VDC output for keypad power supply
- 3 **1x Bi-directional serial**
 - RS-232 or RS-485 mode
- 4 **1x Sensor input**
 - Digital input and 12 VDC output for sensor power supply
- 5 **4x Universal port**
 - Digital input, digital output
 - Serial output RS-232
 - Infra-red output
- 6 **2x Low-voltage relay**
 - Normal close and normal open contacts
 - 24 V / 0.5 A

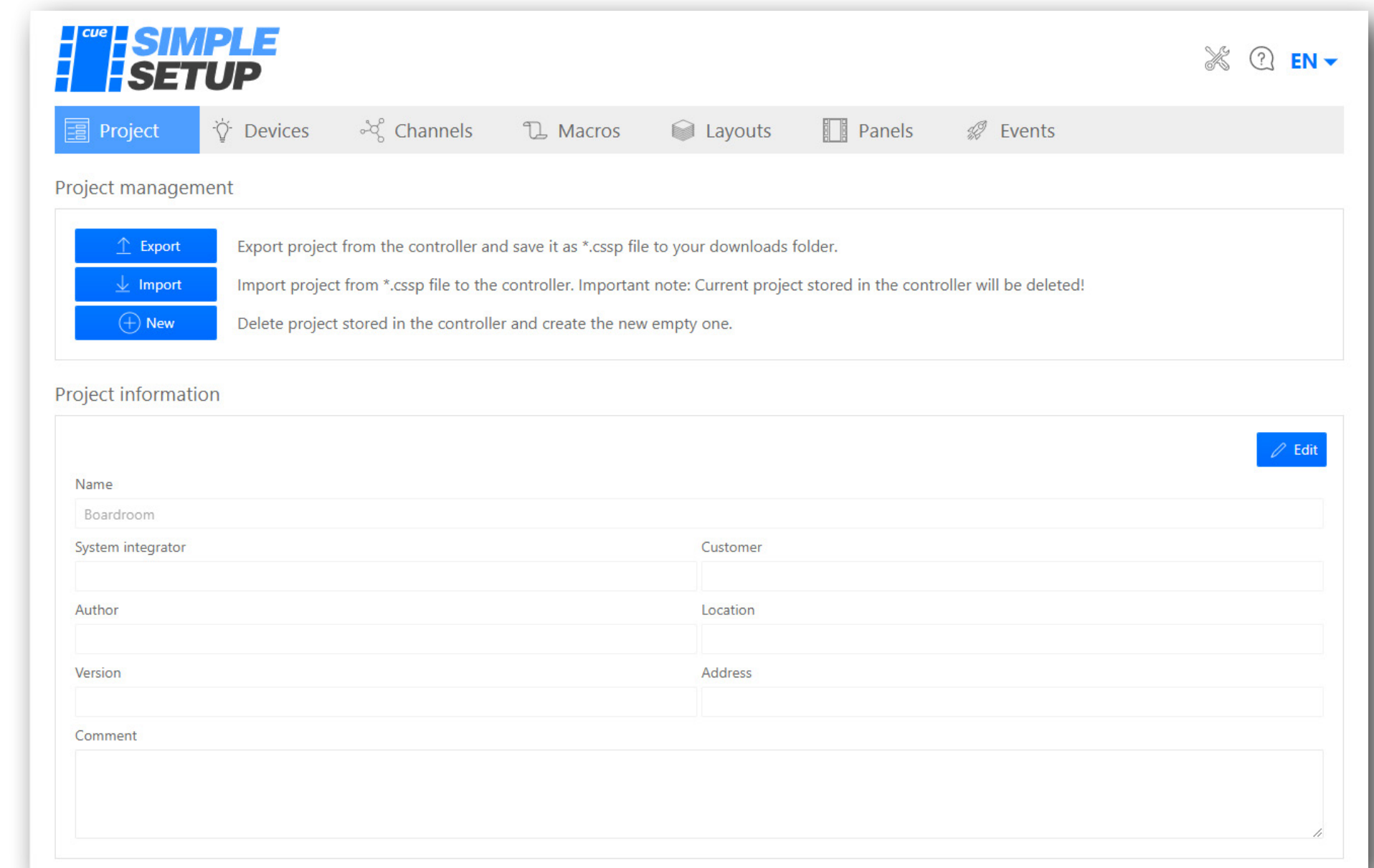


- Tool to configure control system without programming
- Based on built-in web user interface
- Delivered as part of controlCUE-basic firmware
- No special application required for configuration
- Configuration project stored in controller flash memory
- Project export and import for backup and restore
- Pre-prepared project can be simply used for multiple rooms
- Keypad label simple preparation and printing



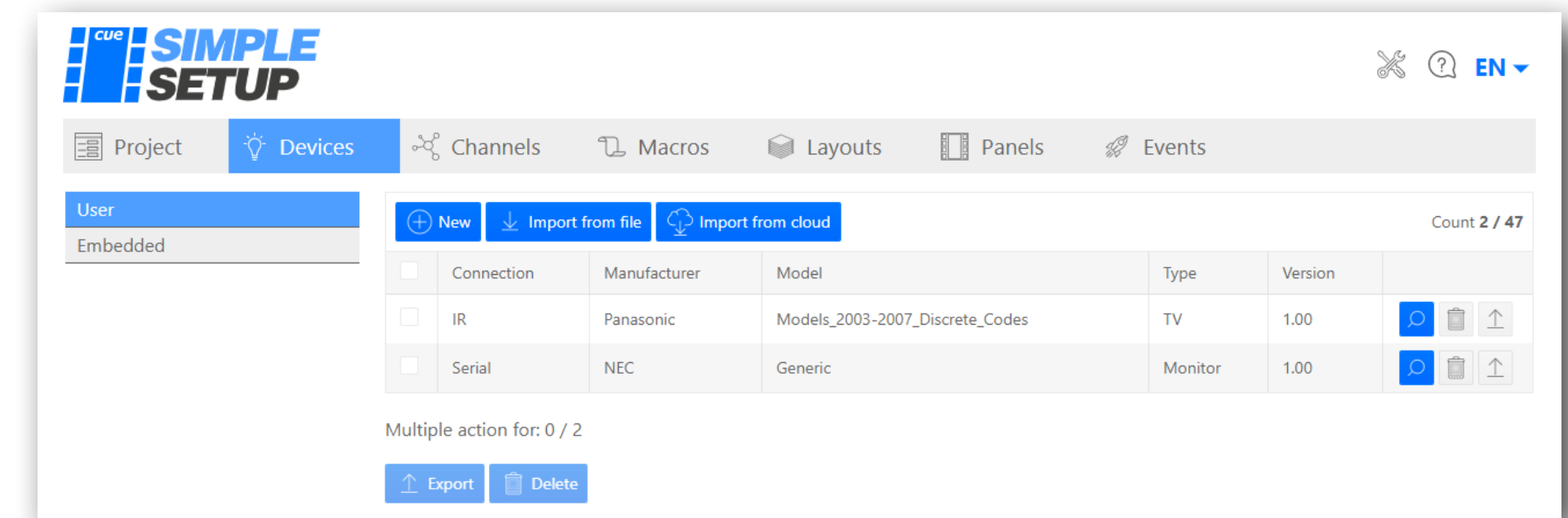


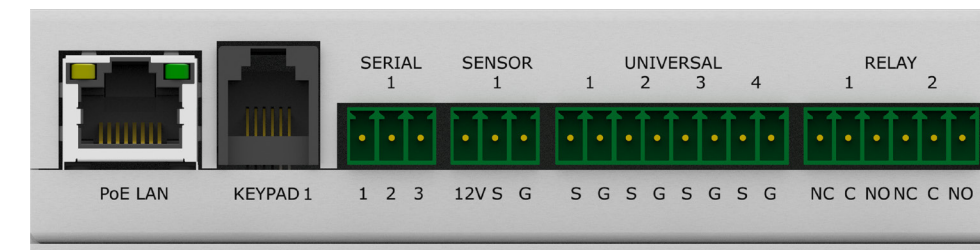
- Create new project
- Export project
 - Backup
 - Copy project to other rooms
- Import project
 - Restore from backup
 - Create copies from the origin room
- Project information





- **Device = device driver**
 - Describes controlled device
 - Includes set of control commands
- **Device driver connection**
 - IP
 - Serial
 - IR
- **User device**
 - Create and edit by user
 - Import from cloud library
 - Import from file
 - Export to file
- **Embedded device**
 - Fix part of Simple Setup
 - Can define events





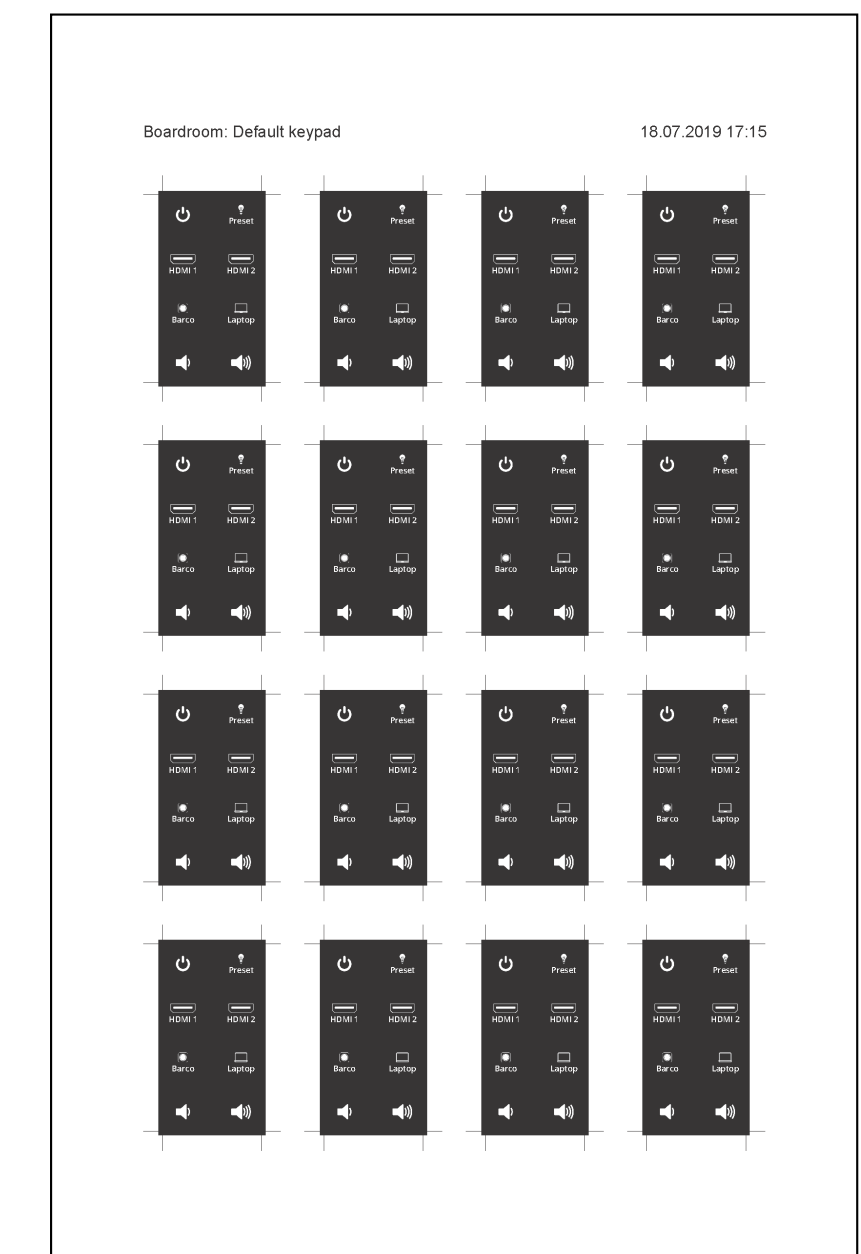
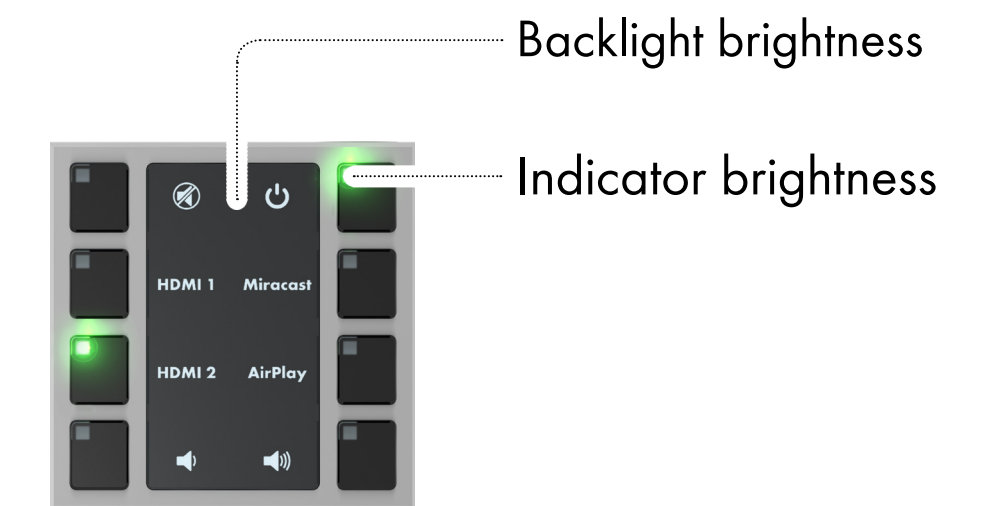
		Channel type			
		IP	Serial	Universal	Relay
Device type		Up to 8 devices	RS-232 or RS-485	Serial, IR, DO, DI	Low voltage
User	IP	✓			
	Serial		✓	✓	
	IR			✓	
Embedded	PJ Link	✓			
	Digital output			✓	✓
	Digital input			✓	



- Macro - sequence of commands
- Every macro can contain various command types
 - Wait - system command
 - Keypad indicator control - system commands
 - Device control - commands defined in device driver
- Important features
 - A macro can be started by the button or by the event.
 - One macro for the same functions can be started from different buttons or events
 - Macro commands are executed sequentially in the order set in the command table
 - **Only one macro can run at a time - the Simple Setup is not a multi-tasking system**
 - If you run a macro from one keyboard, another macro cannot run from that keyboard until the macro is complete
 - If a macro is running and you run a macro from another keyboard, the macro is queued and runs when the running macro completes
 - All event-triggered macros are also queued

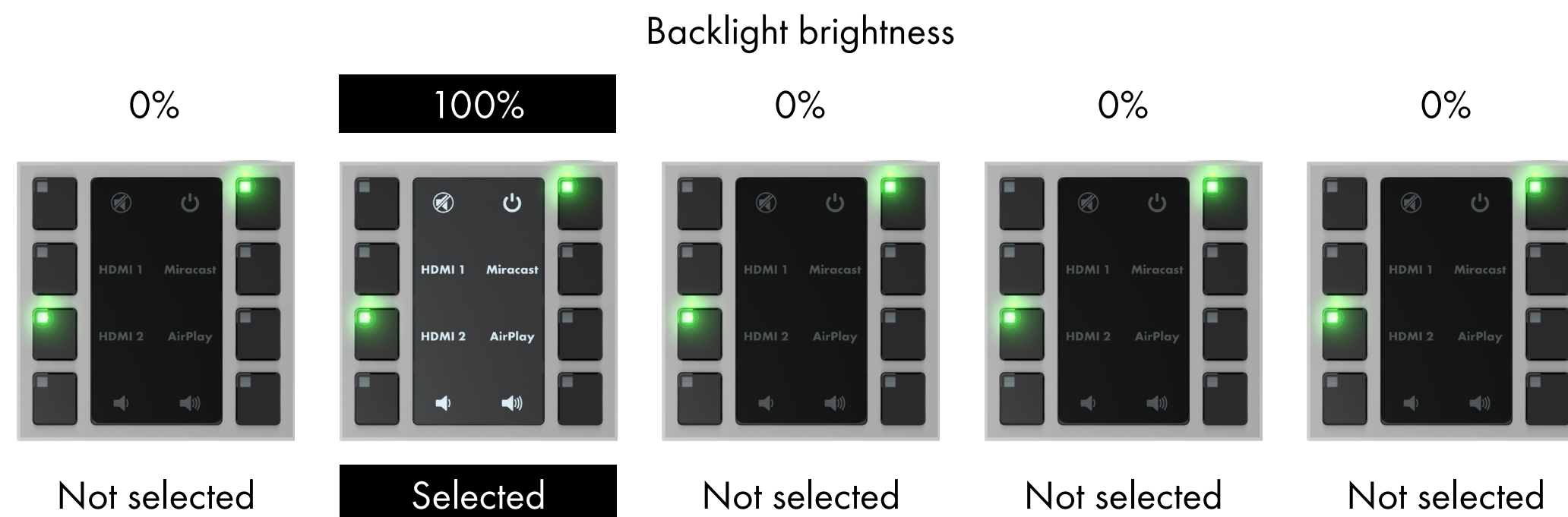
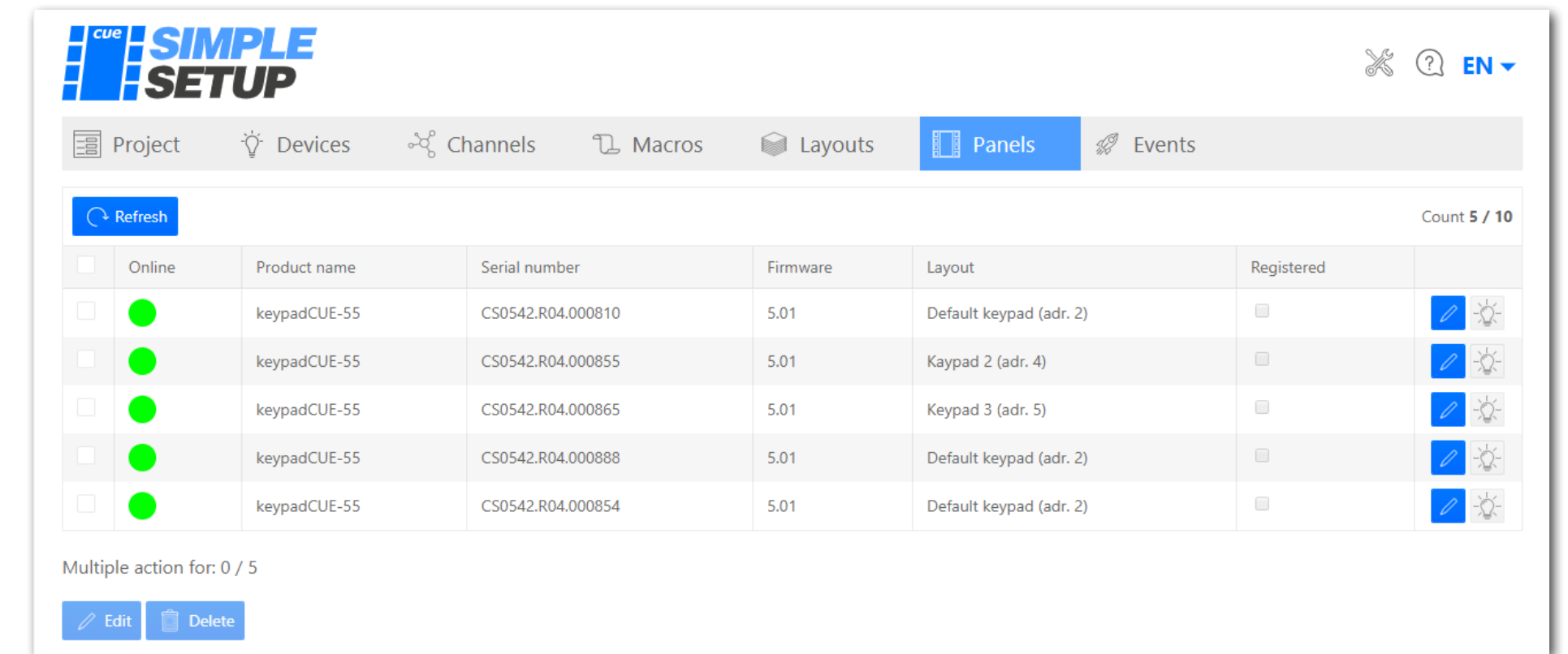


- Layout describes design and functionality of the control panel
- Steps to prepare customized keypad layout
 - Define default values for backlight and for indicator brightness
 - Edit every button to create label
 - Specific captions and icon for every button can be used
 - Create button label PDF to print keypad labels
 - Select button type
 - Connect pre-prepared macro(s) to the button
- Button types
 - Push - normal button, starts macro one time
 - Repeat - when pressed, the button starts macro repeatedly
 - Toggle 2 states - every press starts a different macro 1 or 2
 - Toggle 3 states - every press starts a different macro 1 or 2 or 3
 - Toggle 4 states - every press starts a different macro 1 or 2 or 3 or 4





- List of connected keypads
- Refreshed by button
- Indication
 - On-line keypads - green indicator
 - Off-line keypads - red indicator
- Pre-prepared layout can be assigned
- Only on-line or registered panels can be edited
- Selected panel indication using keypad backlight

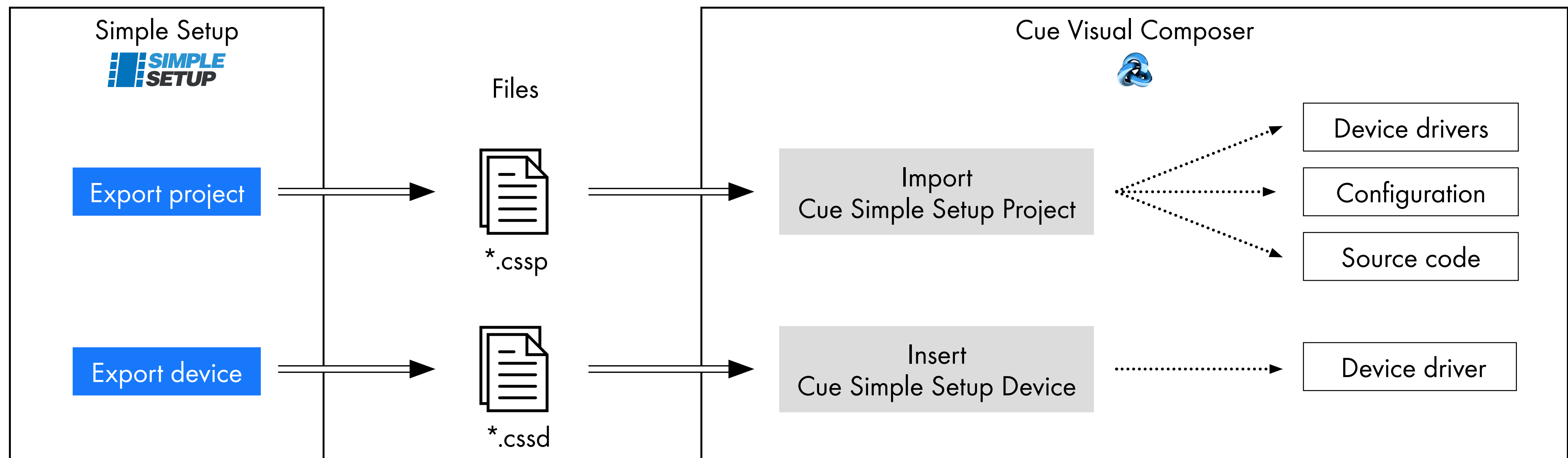




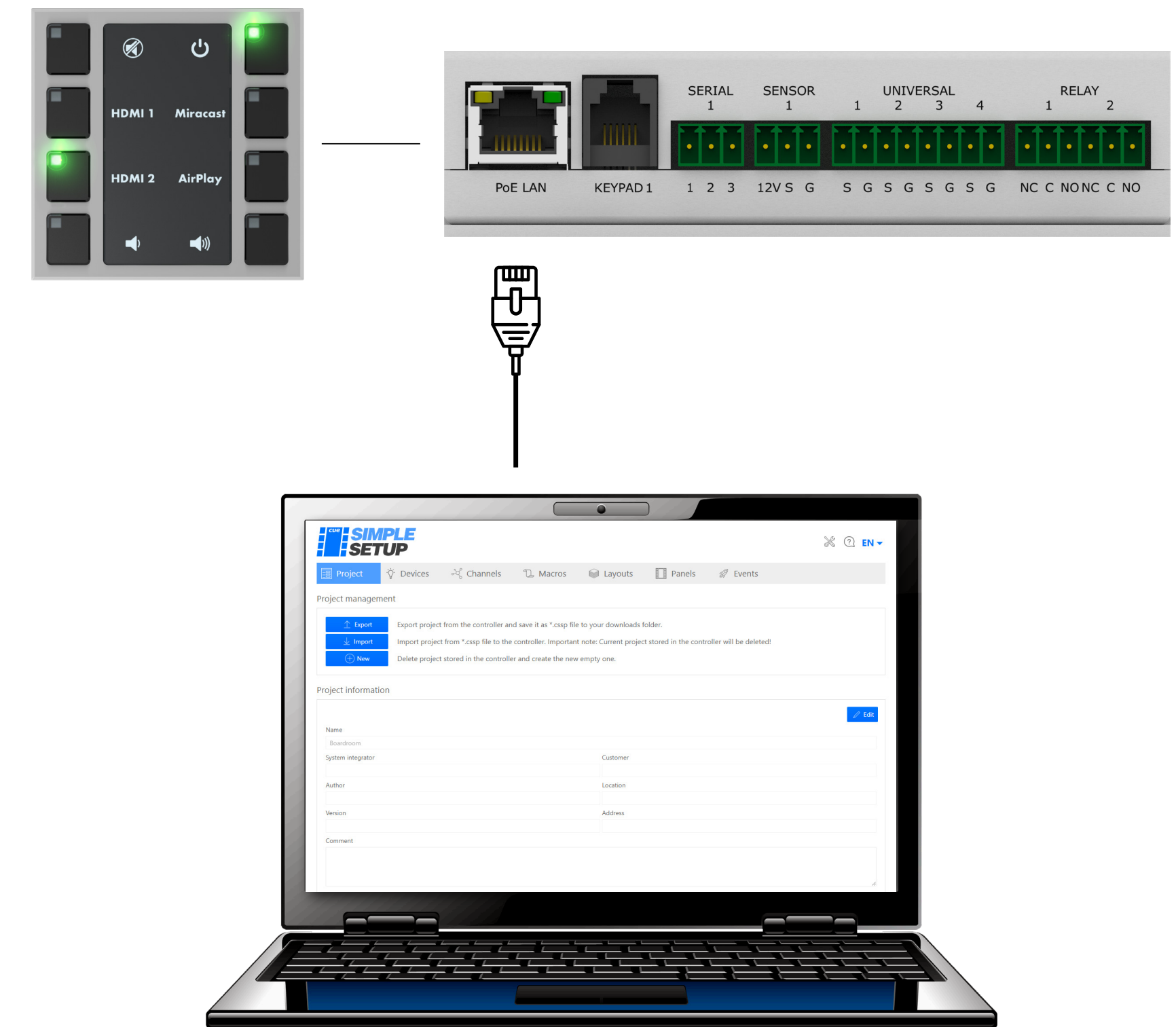
- Events are defined by
 - System - e.g. power up
 - Embedded drivers - e.g. sensor close / open
- User can not add an event
- One macro can be assigned to each event
- Event starts macro
 - Immediately
 - With delay defined by user
- **Currently available events**
 - Controller Power up - automatically generated when the control power is connected.
 - Sensor Close - generated if the sensor input is closed
 - Sensor Open - generated if the sensor input is opened
 - Digital input Close - added if the Digital input device is connected to the Universal channel
 - Digital input Open - added if the Digital input device is connected to the Universal channel

Source	Action	Delay (seconds)	Macro	
Controller	Power up	---	Power On	
Sensor	Close	0 seconds	---	
Sensor	Open	0 seconds	---	
External contact	Close	0 seconds	Light On	
External contact	Open	0 seconds	---	

- Allows to continue the project if Simple Setup is not enough, e.g.:
 - Feedbacks from controlled devices needed
 - Multitasking required
 - More complicated control algorithms
 - ...



- Connect the controller and your PC to the same network
- Access controller Admin Web using Reservation Suite Scanner
- Go to Simple Setup
- Create a project
- Create / download device drivers
- Connect the controlled devices to specific channels
- Create macros needed for system function
- Prepare the control panel layout
- Assign layout to the specific control panel
- Assign pre-prepared macros to events



Thank you for attention

Come back to us for more information

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