

cue

liteCUE-basic Setup Guide



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Introduction

Overview

The Simple Setup is a tool for quick and non-programming control system configuration.

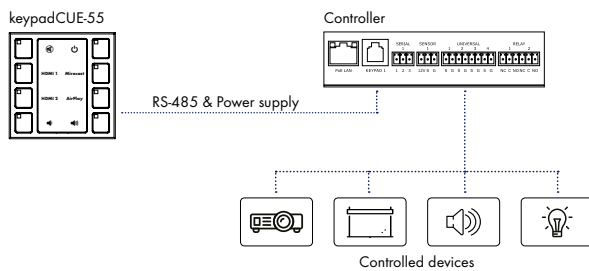
The current version is intended for **liteCUE-basic** - set of controlCUE-basic and keypadCUE-55. Up to 5 keypads can be connected to the controller and configured using the Simple Setup.

The Simple Setup is based on a built-in application and web user interface. No special application installed on the PC is required, you need Internet browser only.

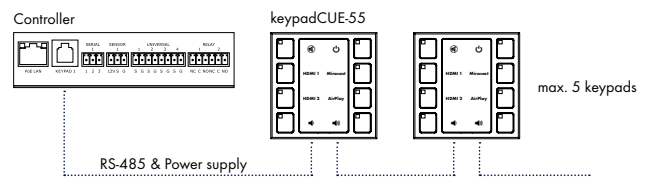
Hardware overview

System connection

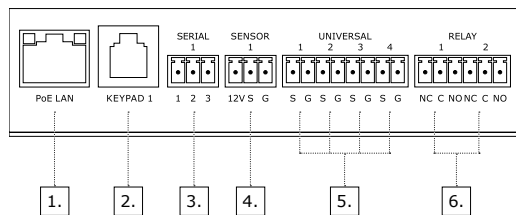
Simple control system



Multiple keypads

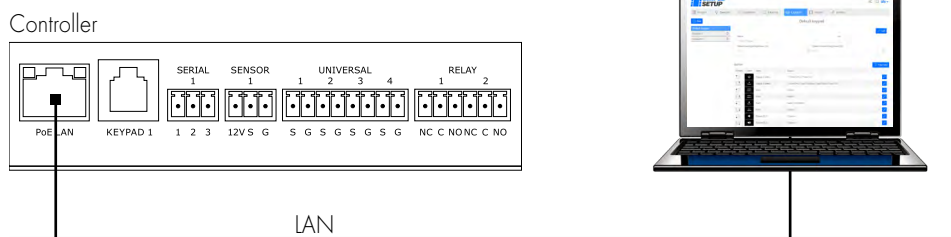


Control ports



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
 - 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

Connection during the configuration



Simple Setup sections

The Simple Setup web interface consists of the following sections:

- **Project** - create a new project, general information about the project, export & import of a complete project.
- **Devices** - the section where device drivers can be created, edited, imported from a file, exported to a file and imported from the CUE cloud library. In addition, this section lists embedded drivers. Embedded drivers are built-in device drivers, which can not be changed by the user.
- **Channels** - in this section a controlled device is connected to the real channel (control port). Channel types are IP, serial, universal (digital out, digital in, serial out, infra-red out) and low-voltage relay.
- **Macros** - this section serves for macro creation. A macro is a set of commands executed sequentially. The macro includes system commands (e.g. keypad indicator control, wait, etc.) and controlled device commands (created in the section devices). Every macro can be started by the press of a button on the control panel as well as by an event (for example contact close on digital input).
- **Layouts** - this section serves for control panel design and functionality. A label and an icon for every button can be defined and pre-prepared macros are connected to the specific buttons. A keypad label can be created as PDF and then printed.
- **Panels** - this is a list of connected control panels (keypads). All physically connected panels are listed and pre-prepared layout can be assigned to the specific panel.
- **Events** - events are generated by the system regarding to the change of input status. Pre-prepared macros can be assigned to specific events.

Quick start

For quick start follow these steps:

1. Connect the controller and your PC to the same network.
2. Access the controller Admin Web.
3. Go to Simple Setup.
4. Create a project and fill all necessary information.
5. Create or download all the device drivers you need to control your specific configuration.
6. Connect the controlled devices to specific channels (control ports).
7. Create macros needed for system function, e.g. macro system on/off, display input selection, volume up/down, mute, ...
8. Prepare the control panel layout - define button labels and captions and assign pre-prepared macros to specific buttons.
9. Assign layout to the specific control panel. In case you use only one keypad, default layout is automatically assigned.
10. Assign pre-prepared macros to events.

Admin Web

Accessing

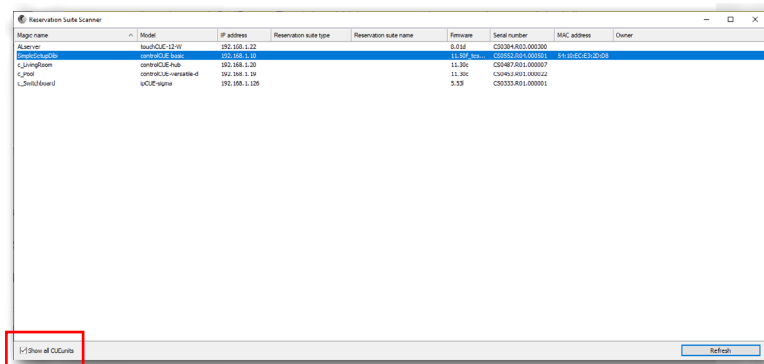
In the default setting, the unit is enabled to get the IP address and DNS servers using the DHCP of your network. Check whether the IP address, gateway and DNS servers correspond to your network. In the "DHCP" item you can check whether the IP address has been acquired through DHCP (On) or not (Off). If the setting is not suitable for you, it can be changed later – for description how to do this, see the chapter **This unit configuration**.

To access the Admin Web you need a computer with an internet browser. The computer must be connected to the same LAN network as the touchONE units. The Admin Web pages can be opened in one of the following ways.

Option 1: Reservation Suite Scanner

On a computer that is in the same LAN as your reservation suite, run Reservation Suite Scanner.exe, which you can download from www.touchone.eu. This application does not require installation.

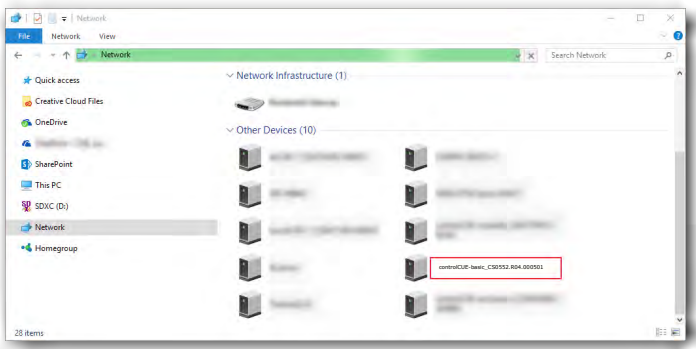
Check Show all CUEunits and then Reservation Suite Scanner searches the network and lists all units on the network. Double clicking on the selected unit will launch the default web browser and open the Admin Web of that unit.



Option 2: File Explorer

Run File Explorer on your computer and select "Network" in the left part of the screen. On the right you will see a list of devices found in your network. The CUE units can be found in the section "Other devices". If you double click the desired unit, the internet browser will start running, the unit IP address will be entered automatically and the Admin Web of the given panel will open in the browser.

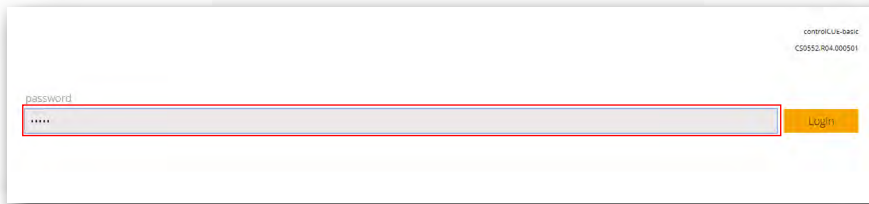
To enable your computer to find the CUE units, network identification has to be switched on your computer. In Windows 10 this can be done in the following manner: Start / Settings / Network & Internet. Then select Wi-Fi (if your computer has a wireless connection to the network) or Ethernet (if your computer is connected through a cable) in the left half of the screen. If you are connected by cable, click on your network connection in the right part. If you are using Wi-Fi, click on the item "Advanced options" below the list of available Wi-Fi networks. Then set the item "Make this PC discoverable" to "On".



Login

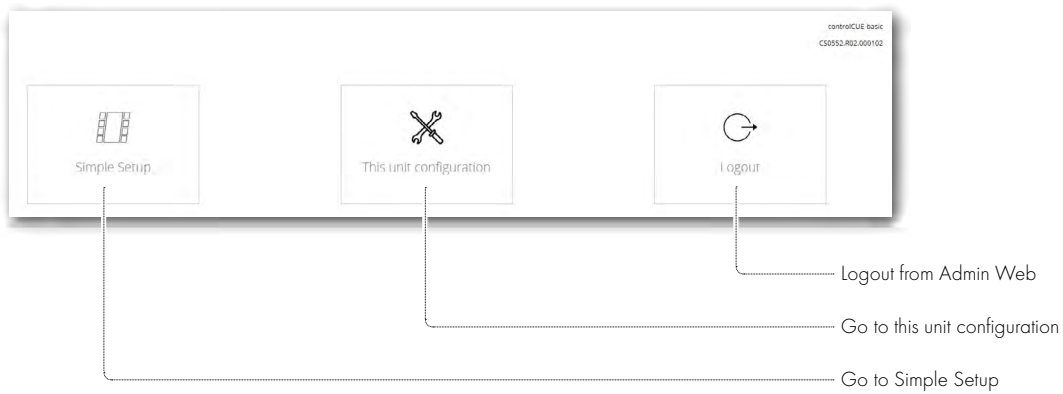
If the controller is password protected, you need to log in to gain access to Admin Web. Enter the password where indicated and click on **Login**. Note that the password entry is case sensitive. This takes you to the Admin Web home pages.

If the controller is not password protected, there is no need to log in and you find yourself right on the home page.



Home page

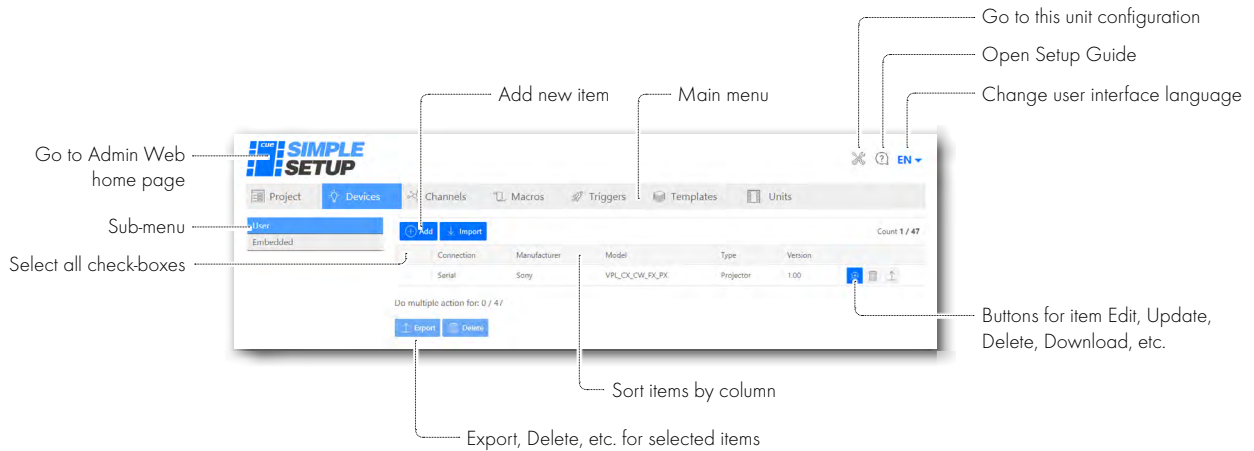
Use Home page to select Simple Setup or this unit configuration. You can make logout too.



Simple Setup

User interface description

The administration web consists of the parts described in the picture.



Buttons for basic functions are placed on the top right side:

- Open this unit configuration
- Open Setup Guide - PDF describing complete setup and administration.
- Language selection.

From the main menu it is possible to navigate individual setup sections.

Most of sections typically consists of the table (grid) including items (lines). Every table permits item selection as well as multi-selection to provide bulk changes in more items. Tables can be sorted by selected column in the ascending or descending order.

Every item can be edited using a pop-up window which is activated by the **Edit** button. The **Delete** button located in the line serves for item deletion.

The item is typically edited using pop-up window. Required items are marked * and must be filled. The **Save** button stores data immediately and updates Simple Setup configuration.

Use the **Cancel** button to exit the pop-up window without saving the changes.

The 'Create new device' pop-up window contains the following fields:

- General:** Connection * (Serial), Version * (1.00)
- Device:** Manufacturer * (Sony), Model * (VPL-020W-FX-PX), Type * (Projector), Firmware version
- Compatible models:** Tested with
- Comment:** (Text area)
- Serial parameters:** Mode * (RS232), Baud rate * (9600), Parity * (None), Data bits * (8), Stop bits * (1), Flow control * (None)

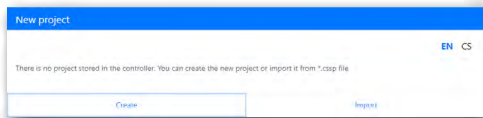
Buttons: Save, Cancel

Important note

- The current Simple Setup version supports only one client. When more clients are connected to the unit and make changes, they can lose some data and some changes may not be stored.
- It is strictly recommended to make changes from just one client PC at the same time.

Start with an empty controller

First it is necessary to create a new project. If the controller is empty (no Simple Setup project is stored inside), the pop-up window "New project" is displayed automatically. It is possible to select the language by buttons located in the top right corner.



Now there are two options

- Use the **Create** button to create new project. In this case following pop-up window is displayed and it is possible to fill all project information. The project Name is mandatory with a minimum of 4 characters and must be filled. Other project information (not mandatory) - system integrator, customer, author, location, version, address and comment. Use the **Save** button to continue.

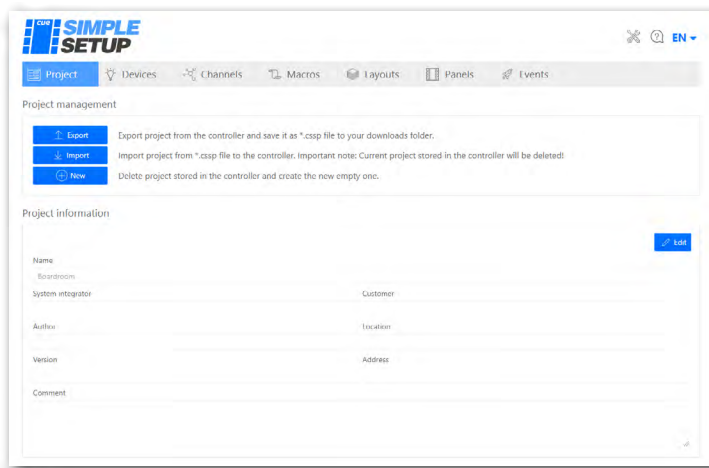
- Use the **Import** button to import an existing project from the ***.cssp** file. This function is typically used for rooms where the same project is used. The below-indicated window is displayed. The **Choose file** button displays the standard open dialog box to browse and open the appropriate file. Use the **Import** button to import the file.

Now the Simple Setup user interface displays the Project section.

Project

Overview

In this section the project can be exported, imported, created and edited.



Export

Use the **Export** button to export project from the controller and save it as a *.cssp file. The file will be stored in your downloads folder.

The project filename, e.g. **Demo App_2019-06-05_08-59-57.cssp** consists of

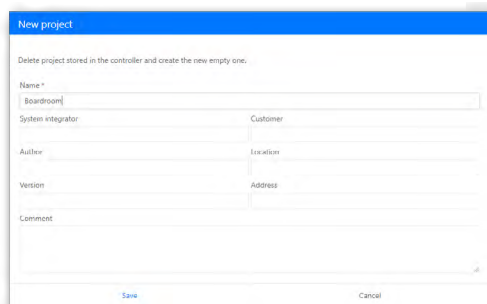
- Project name
- Export date and time
- Extension cssp (Cue Simple Setup Project).

Import

Use the **Import** button to import project from the *.cssp file to the controller. The current project stored in the controller will be deleted.

New

If a project is stored in the controller, a new project can be created using the **New** button. In this case the current project stored in the controller will be deleted.



Here you can enter

- The name of the project (mandatory) with a minimum of 4 characters.
- Other project information (not mandatory) - system integrator, customer, author, location, version, address and comment

Click **Save** to store the changes.

Edit

If you need to edit project information, click on the **Edit** button. The "Edit project" pop-up window is displayed and you can edit all project parameters.

Click **Save** to store the changes.

Devices

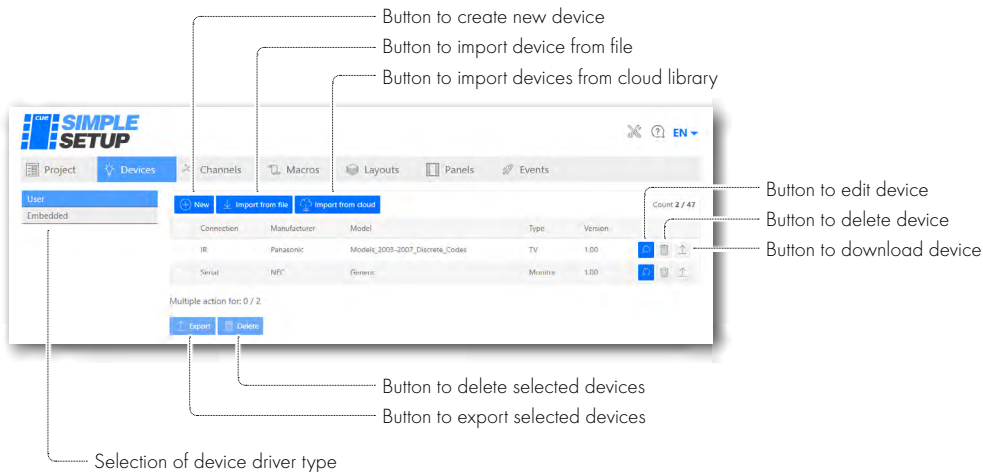
Overview

The section on devices (drivers) explains how to control connected devices. Every device is described in the General section and contains commands.

The Simple Setup uses two types of devices:

- User - devices defined by user. These devices can be created using Simple Setup and exported to the file, imported from files or from CUE cloud library and then modified or used directly.
- Embedded - devices embedded in Simple Setup application environment. These devices can not be modified by the user.

The basic view of the device section looks as follows.



New / Edit user device

To create a new user device press the **New** button. The following pop-up window is displayed.

General section

In the **General** section you can fill / select

- Connection - this means the type of control port used for device control. It can be IP, Serial (RS232 or RS485) or IR (infra-red).
- Version - this indicates the device driver version. Version 1.00 is used as default for new device.

Device section

In the **Device** section you can fill device identification parts

- Manufacturer - the name of the device manufacturer. It is mandatory.
- Model - the name of the model which can be controlled by the given driver. It is mandatory. In case the driver can control more models, fill all models in the "Compatible models" text box.
- Type - the controlled device type, e.g. Video conference, Display, Player, Light, Air condition, etc. It is mandatory.

- Firmware version - the controlled device firmware version for which the driver was created.
- Compatible models - a list of devices compatible with given driver.
- Tested with - specification of the device with which the driver was tested.
- Comment - any comment can be added here, for example cable description, some warning, driver limitations, etc.

The next section changes according to the chosen Connection. All information requested here is typically described in the controlled device manual.

For **IP** you can fill / select

- IP protocol - type of IP communication. It can be TCP client or UDP client.
- Default IP port - defines the IP port used for communication between the controller and the controlled device.
- IP connection mode - it can be
 - Keep connected - if no IP connection to the controlled device is established, the IP connection is established now, the controller sends a command, and stays connected to the controlled device.
 - Disconnect after command - the controller establishes IP connection to the controlled device, sends a command and then cancels the connection.

For **Serial** you can fill

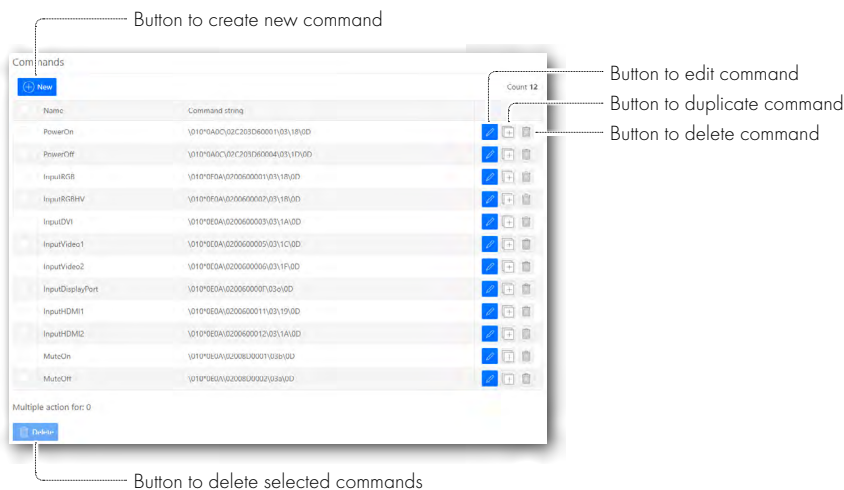
- Mode - it depends on the controlled device port type, selection is RS232 or RS485. The RS232 mode can be used on the SERIAL port as well as on the UNIVERSAL port, the RS485 mode can be used on the SERIAL port only.
- Baud rate - the speed of data transfer in bits per second. Minimum baud rate is 1 200 bd, maximum is 115 200 bd.
- Parity - the type of parity. It can be None, Odd or Even.
- Data bits - the number of data bits. It can be 7 or 8.
- Stop bits - number of stop bits. It can be 1, 1.5 or 2.
- Flow control - can be None or Xon / Xoff.

For **IR** there are no other settings.

Click **Save** to store the changes.

Command section

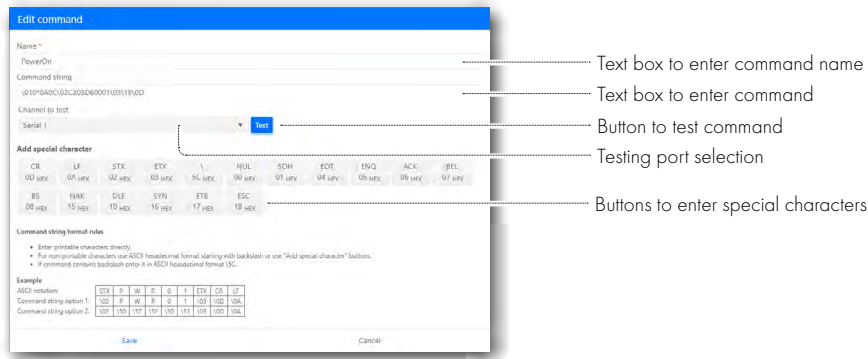
This section includes a list of commands.



Using the **New** button a new command is created. Every command can be edited using the **Edit** button, duplicated using the **Duplicate** button or deleted using the **Delete** button.

Create new / Edit / Duplicate IP or serial command

For all these functions the same pop-up window is used.



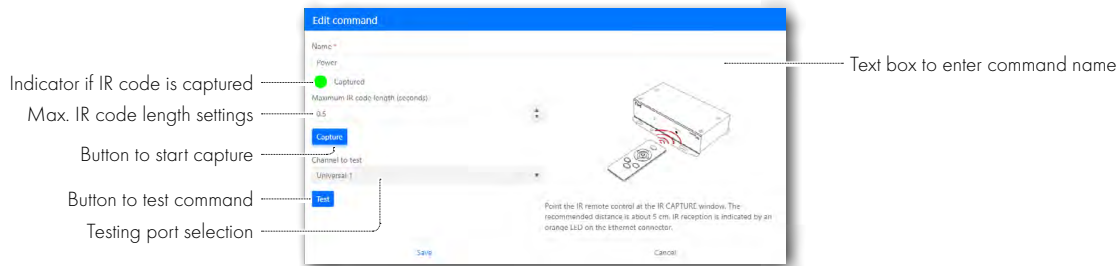
Name indicates mandatory command name. It must be unique within the device driver. If a command is duplicated, all command parameters are copied from the original command and the name is modified by adding a number to the end of the command name. If the name ends with a digit, the digit is modified to keep the command name unique.

Command string includes all characters to be sent within the command. Printable ASCII characters can be added directly, non-printable characters can be added using character \ and ASCII code (e.g. \01) or using the **Add special character** button. Buttons to add most frequently used non-printable ASCII characters are available and they eliminate the necessity to find ASCII codes for non-printable characters.

Every command can be tested using the **Test** button. For serial commands, the channel to test can be Serial 1 or Universal 1 to 4. The rest of the window contains command string format description.

Infra-red commands

The controller is equipped with an IR capture sensor to capture IR codes. If you want to capture codes, see the picture and instructions in the "Edit command" pop-up window.



Steps to capture the IR code are as follows:


1. Fill or edit the command name.
2. Set max. IR code length.
3. Prepare the IR remoter by following the instructions.
4. Press the **Capture** button.
5. Press the appropriate IR remoter button.
6. If the IR code is captured, the indicator goes from red to green color.

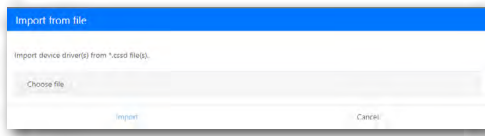
Steps for IR code testing are as follows:

1. Install the IR Adapter to the controlled device IR receiver.
2. Connect the IR adapter to one of the Universal ports.
3. Select the channel where the IR Adapter is connected (Universal 1 to 4).
4. Press the **Test** button to test the IR code.


If everything is ok, press **Save** to save changes.

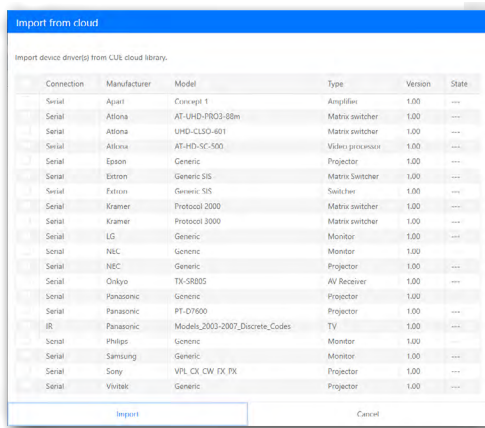
Import from file

To import a device press the  button. You can import the device from the *.cssd file.

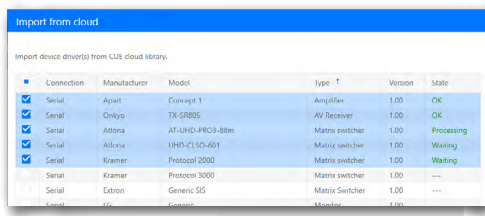


Import from cloud library

CUE offers a device driver library available on the cloud. To use this function, the controller must be connected to the Internet. Then you can use the  button to open the driver list. This list is dynamically created and contains all devices stored in the library.




By pushing the column header, the list can be sorted by Connection, Manufacturer, Model, Type or Version of the device driver. Look for the devices that you need in the project, select the devices using the check box (multi-selection is allowed) and press **Import**. Importing state is indicated in the column State.



All selected devices will be imported to section user devices and can be used as any other device. In addition it is possible to modify imported driver commands, add new commands, delete commands, etc.


Exporting a device

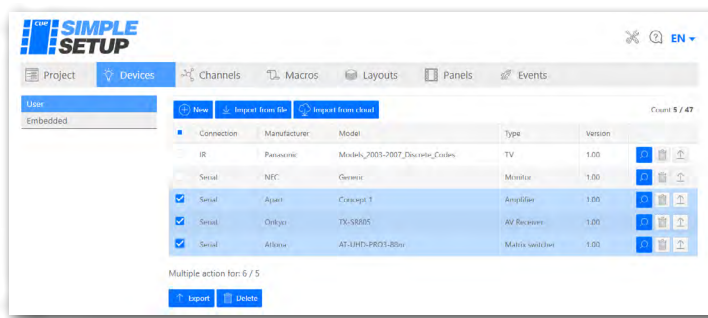
Use the  button to export a device from the controller and save it as *.cssd file. The file will be stored in your downloads folder.

Device filename, e.g. **NEC_Monitor_Generic_serial_1_00.cssd** consists of

- Manufacturer
- Device type
- Model
- Connection type
- Extension cssd (Cue Simple Setup Device).

Exporting selected devices

Select more devices and use the  button to export all selected devices from the controller.




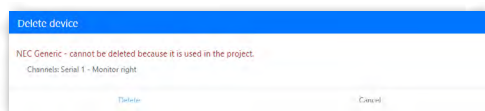
Devices will be saved as *.zip file in your downloads folder.

Device filename, e.g. **Devices-2019_07_12-11_58.zip** consists of

- Devices
- Date and time of export.

Deleting a device

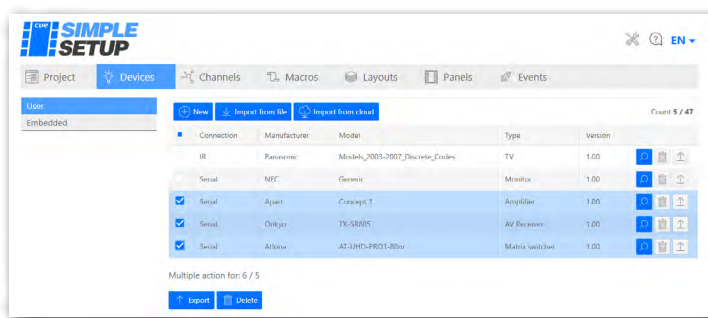
Use the  button to delete one device. A device can not be deleted if it is connected to a channel. In this case the following warning is displayed.



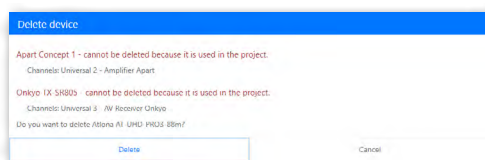
It is necessary to disconnect the device from the channel, then device can be deleted.

Deleting more devices at once

Select more devices and use the  button to delete more devices from the controller.



Devices can not be deleted if they are connected to channels. In this case the following warning is displayed.



It is necessary to disconnect all the devices that you want to delete before devices can be deleted.

Channels

Overview

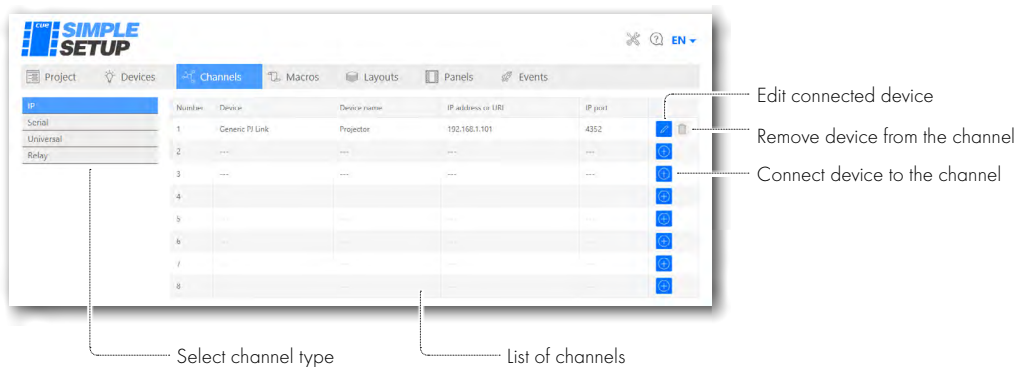
The controller offers the following channel types:




- IP - up to eight devices can be connected and controlled using TCP or UDP client drivers.
- Sensor - digital input with power supply for sensor connection, e.g. room occupancy sensor. This channel has no commands and it generates events Close and Open - see section Events.
- Serial - one serial controlled device can be connected using the RS-232 or RS-485 mode.
- Universal - four channels are available, every channel can be used as serial RS-232 output, IR output, digital output or digital input.
- Relay - two low-voltage relays are available.

The following table describes how devices can be connected to channels.

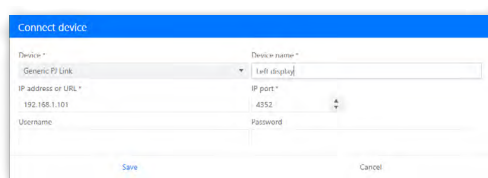
| Device type | | Channel type | | | |
|-------------|----------------|--------------|--------|-----------|-------|
| | | IP | Serial | Universal | Relay |
| User | IP | ✓ | | | |
| | Serial | | ✓ | ✓ | |
| | IR | | | ✓ | |
| Embedded | PJ Link | ✓ | | | |
| | Digital output | | | ✓ | ✓ |
| | Digital input | | | ✓ | |

Basic channel overview looks like this:



It is possible to select the channel type using the menu on the left side. Then the device can be connected using the  button, edited using the  button or removed from the channel using the  button.

IP channel - Connect / Edit device



Set the following data:

- Device - select device from IP device list containing all IP devices stored in the section Devices. The list contains User as well as Embedded devices.
- Device name - the user name of the device, e.g. Left display, Right display. The name must be unique within the project.
- IP address or URL - controlled device IP address or URL.
- IP Port - controlled device IP port.
- Username - must be filled if required by the controlled device protocol.
- Password - must be filled if the controlled device is protected by password.

Serial channel - Connect / Edit device

- Device - select a device from the device list containing all serial devices stored in the section Devices. The list contains User as well as Embedded devices.
- Device name - enter an user name of the device, e.g. Left display, Right display. The name must be unique within the project.

Universal channel - Connect / Edit device

The universal channel can operate in the following modes:

- Serial RS-232 output
- IR output
- Digital output
- Digital input

The mode is automatically set by the connected device driver.

- Device - select a device from the device list containing all serial, IR or digital output or digital input devices stored in the section Devices. The list contains User as well as Embedded devices.
- Device name - user name of the device, e.g. Display center (for IR or serial controlled device), Light (controlled by digital input), Button (digital input), etc. The name must be unique within the project.

Relay channel - Connect / Edit device

Low-voltage relays are typically controlled by digital output driver. It is one of the embedded drivers.

- Device - select a device from the device list containing digital output devices stored in the section Devices.
- Device name - enter an user name of the device, e.g. Wall light, Ceiling light, etc. The name must be unique within the project.

Macros

Overview

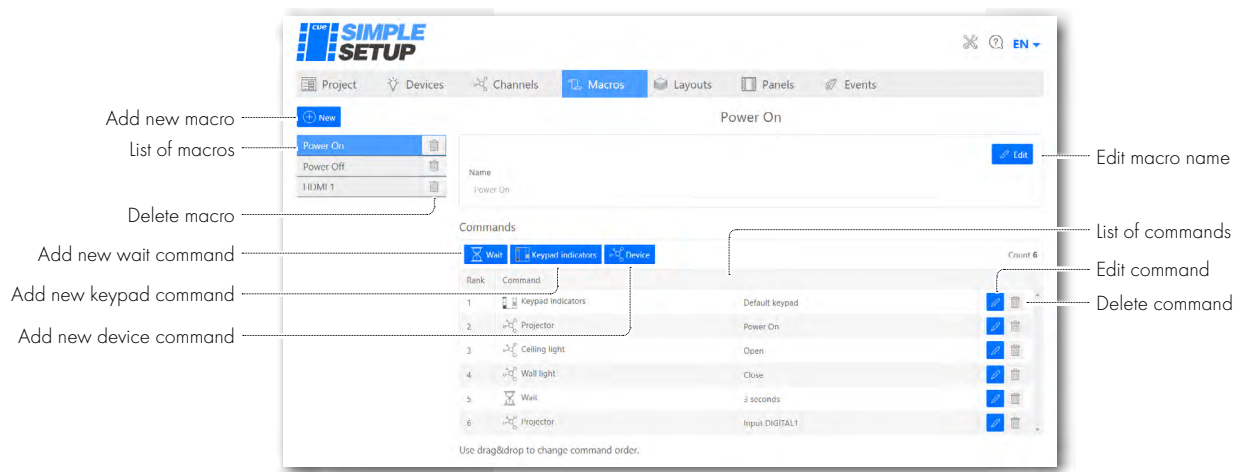
A macro is a sequence of commands. Every macro can contain various command types.

Important features are as follows:

- A macro can be started by the button or by the event.
- The same macro can be started in several ways, e.g. by two buttons located on different keypads and by an event generated by external contact connected to digital input. This feature enables you to have one macro for the same functions started from different buttons or events. In other words, it is not necessary to copy a macro with the same functionality for different buttons or events.
- If a macro is started, 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 current 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. Only one macro is queued from each keyboard.
- All event-triggered macros are also queued.
- If a macro is being executed or stored in a queue, it is not added to the queue again.
- For example, if you run the same macro from two different keyboards at the same time, the macro is executed only once.

Basic interface

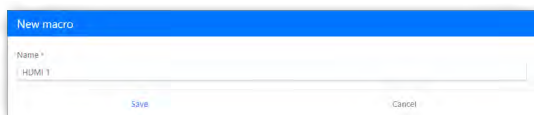
The basic macro interface looks like this:



In the list of macros it is possible to select the macro you want to edit.

Adding a new macro

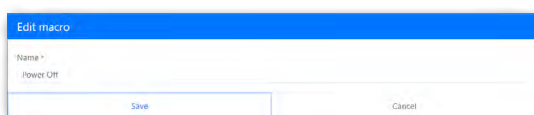
Use the **New** button to create a new macro. A pop-up window is displayed.



Fill the name of the macro and press **Save**. The macro name must be unique among the macros. The new macro is added to the macro list and contains no commands.


Editing the macro name

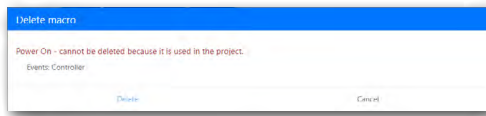
Select the macro you want to edit using the list of macros and press the **Edit** button. A pop-up window is displayed.



Edit the macro name and press **Save**. The macro name can be edited anytime and must be unique among the macros.

Deleting a macro

Use the  button to delete a macro. If the macro is used in Layouts (connected to the button) or Events (connected to a specific event), it can not be deleted and the following warning is displayed.



If you still want to delete the macro, first it is necessary to disconnect it from Layouts as well as from Events.


Adding commands

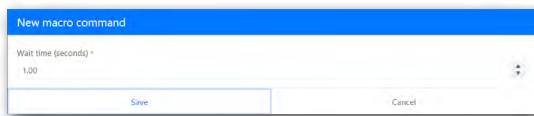
Every macro can contain the following commands:

- Wait
- Keypad indicators control
- Commands to control devices.

Select the macro where you want to add commands and use the button to add a specific command.

Wait

Use the  button to add new wait command. A pop-up window is displayed.



Define wait time in seconds and press **Save**.

Keypad indicators

Use the  button to add a new command which controls keypad indicators. A pop-up window is displayed.




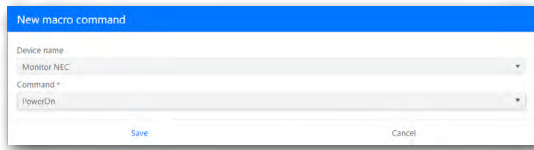
Follow these steps:

1. First select the appropriate layout where you want to control indicators. For better orientation, button labels created in the section Layouts are displayed.
2. Now select an action for each indicator
 - No action - indicator status is not changed.
 - On - the indicator lights up.
 - Off - the indicator goes off.
 - Blink fast - the indicator starts flashing quickly. The flashing stops using the indicator command On or Off.
 - Blink - the indicator starts flashing normally. The flashing stops using the indicator command On or Off.
 - Blink slowly - the indicator starts flashing slowly. Flashing stops using the indicator command On or Off.
3. Press **Save** to apply changes.

Indicators for one specific layout can be controlled by one macro command. If a project uses more panels with various layouts, a special macro command must be used for every layout.

Controlled devices


Use the  button to add a new command to control a device. A pop-up window is displayed.




Follow these steps:

1. Select the appropriate device that you want to control. The device list contains all devices connected to the channels. The device names defined in the section Channels are used to identify the devices.
2. Select the command you want to execute.
3. Press **Save** to apply changes.

Editing a command

Use the  button to edit a command used in the macro. A pop-up window appears depending on the command type and the command can be changed. Edit pop-up windows are the same as windows described in the section "Adding commands". It is possible to change the parameters for a given command; it is not possible to change command type. To change command type, it is necessary to delete it and add a new one.

Deleting a command

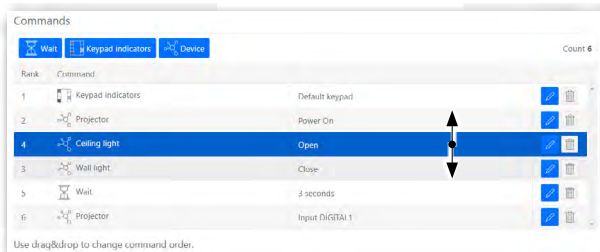
Use the  button to delete a command used in the macro.

Changing the order of commands

Changing the order of commands is a very common requirement. The Simple Setup uses the drag-and-drop method that is very comfortable.

Follow these steps to change the command order:

1. Click on the command whose position you want to change.
2. Hold the left mouse button.
3. Move the command to a new position. The moved command is highlighted.
4. Release the left mouse button.



Use drag&drop to change command order.

Layouts

Overview

A layout describes the design and functionality of the control panel. The Simple Setup can use max. 5 keypads. All keypads can have the same layout (that means all keypads have the same functionality) or each keypad may have a different layout (that means different functionality). Finally for each unique keypad you need to prepare a dedicated layout.

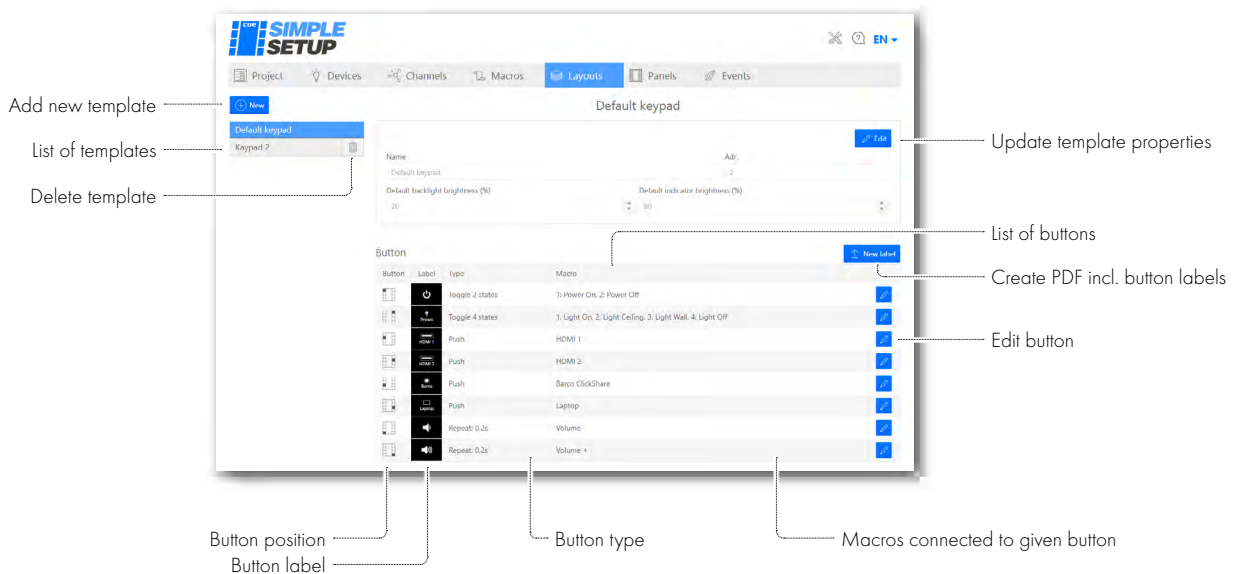
In default, every Simple Setup project contains one layout named "Default keypad". For the basic system with one keypad this layout is enough and it is not necessary to create another one.

To prepare customized keypad layout, follow these steps:

1. Define default values for backlight brightness and for indicator brightness.
2. Edit every button to create a label, select the button type and connect pre-prepared macro(s) to the button.
3. Create a button label PDF to print keypad labels.

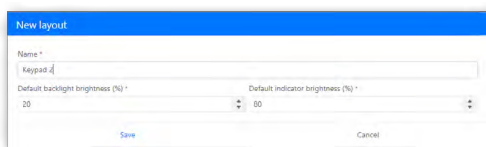
Basic interface

The basic layout interface looks like this:



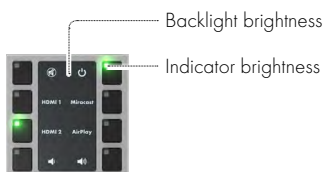
Adding a new layout

Use the **New** button to create new layout. A pop-up window is displayed.



Follow these steps:

1. Fill the layout name. This name must be unique among the layouts.
2. Set default backlight brightness and default indicator brightness. These values will be used when the controller starts.

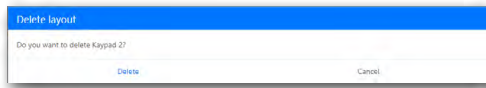


3. Press **Save** to store the new layout.


The new layout is added to the layout list and contains default buttons.

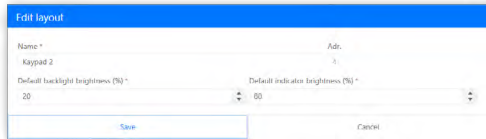
Deleting a layout

Use the  button to delete a layout. A pop-up window is displayed. Confirm the action by the **Delete** button.



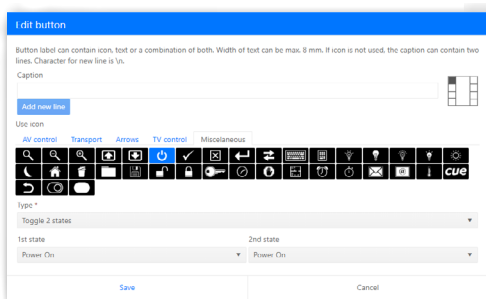
Editing a layout

Use the  button to edit the selected layout. a pop-up window is displayed and you can edit all layout properties.




Editing a button

Click the  button located in the button list to edit a keypad button. A pop-up window is displayed.

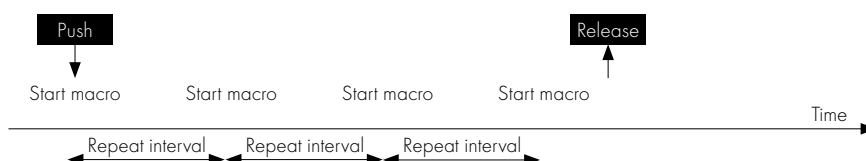


Follow these steps to edit a keypad button:

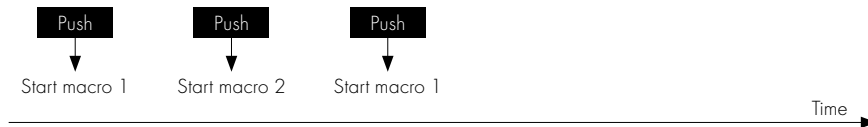
1. Every button label can contain a caption, an icon or combination of both. An empty caption as well as an empty icon are permitted. If both are empty, the button has no label (typical for unused keypad buttons).
2. Fill the button caption.
 - If a caption is not filled, it is not used on the label.
 - If an icon is not used, the caption can contain two lines.
 - The character for a new line is `\n` and can be added using the  button.
 - The maximum width of text is automatically checked during input.
3. Select an icon.
 - Select a group of icons and then select a specific icon. Most frequently used icons are available in the “AV control” group.
 - The icon can be used alone or in combination with a caption.
 - Icon positioning is created automatically during the generation of a label file (described below).
4. Select the button type.
 - **Push** - a normal button, e.g. for input selection. When pressed, the connected macro starts.



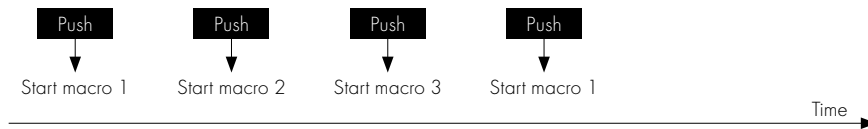
- **Repeat** - when pressed, the button starts macro repeatedly. For the repeat button, enter the repeat interval in seconds.



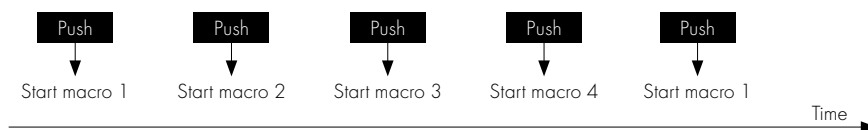
- **Toggle 2 states** - every button press starts a different macro. Macros 1 and 2 are started and then macro 1 starts again.



- **Toggle 3 states** - every button press starts a different macro. Macros 1, 2 and 3 are started and then macro 1 starts again.



- **Toggle 4 states** - every button press starts a different macro. Macros 1, 2, 3 and 4 are started and then macro 1 starts again.

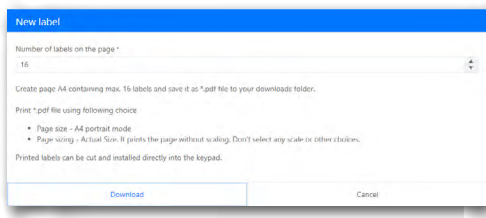


5. Select pre-prepared macro(s) with respect to the selected button type.
 - One macro for Push and Repeat type.
 - Two macros for Toggle 2 states type.
 - Three macros for Toggle 3 states type.
 - Four macros for Toggle 4 states type.
6. Press **Save** to store changes.

Creating a label

Use the **New label** button to create and download a file containing keypad labels and save it as a ***.pdf** file. This file can be printed using a standard printer. Cut labels can then be installed to the keypad.

The following pop-up window is displayed.



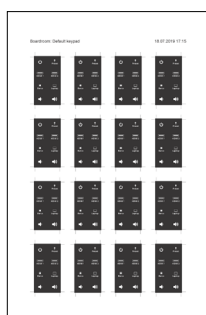
Select the number of keypad labels on the page (from 1 to 16) and press **Download**. The file will be stored in your downloads folder. The filename, e.g. **SimpleSetup-Boardroom-Default_keypad-2019_07_15-00_27.pdf** consists of Project name_Layout name_Export date and time and an extension pdf.

If you need more than 16 labels (you have more keypads with the same layout), print more copies of the document.

Carefully follow the instructions explaining how to print a downloaded file:

- Page size - A4 portrait mode
- Page sizing - set to Actual Size. It prints the page without scaling. Don't select any scale or other choices.

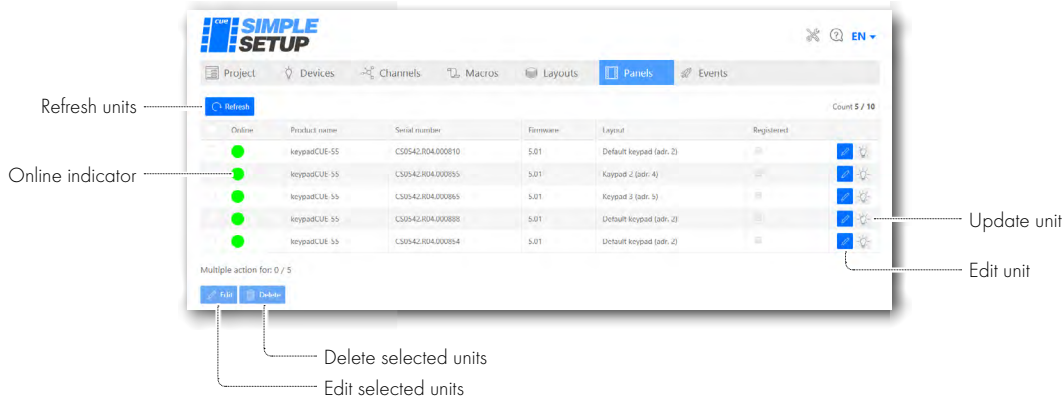
An example of a label file (16 labels on the page):



Panels

Overview

This section manages control panels - keypads.

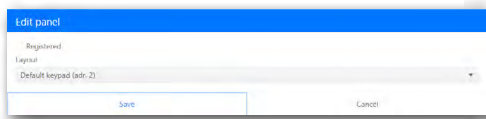


Refreshing the list

The list of panels displays all connected keypads and can be refreshed using the **Refresh** button. On-line keypads have a green indicator, offline keypads have a red indicator.

Editing the panel

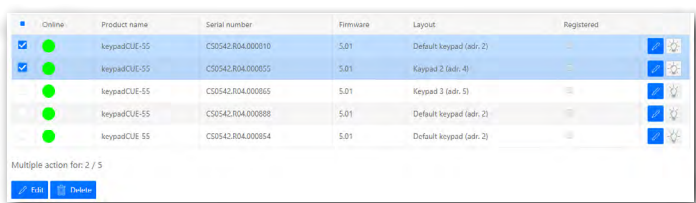
Every online keypad can be edited using the **Edit** button. Edit pop-up window is displayed.



If you check Registered, the panel will be listed even if it is disconnected. In this window you can select a pre-prepared layout for the given panel. In general, only online or registered panels can be edited.

Multiple selection

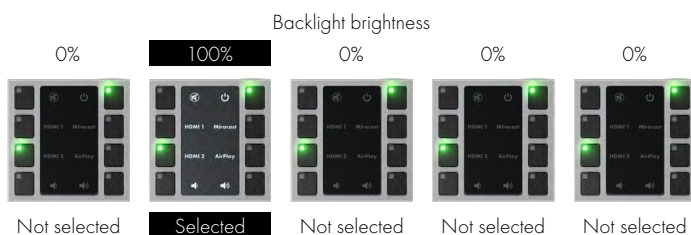
If you select more panels and wish to delete some of them, use the **Delete** button. Using the **Edit** button selected panels can be edited. It is possible to change the layout or registration for multiple panels at once.



Selected panel indication

This indication serves for better orientation as to which panel is selected.

The toggle button starts or stops indication on the physical panel. The indication is realized using full 100% backlight brightness for the selected keypad and 0% backlight brightness for non-selected keypads (backlight is off).



Events


Events are defined by the system or by the embedded drivers. That means the user can not add an event. One macro can be assigned to each event.

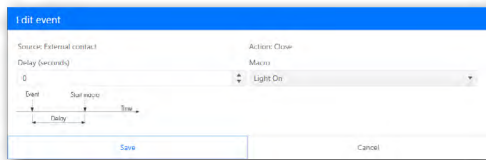
The following list defines available events for the current Simple Setup version.

| 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 | --- |

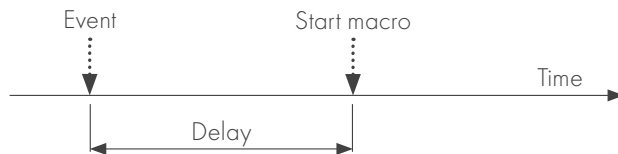
The following events are currently available:

- Event **Controller Power up** is automatically generated by the controller when the control system power is connected.
- Event **Sensor Close** is generated if the sensor input is closed.
- Event **Sensor Open** is generated if the sensor input is opened.
- Event **Digital input Close** is added if the Digital input device is connected to the Universal channel.
- Event **Digital input Open** is added if the Digital input device is connected to the Universal channel.

Press the  button to edit a specific event. The following pop-up window is displayed.



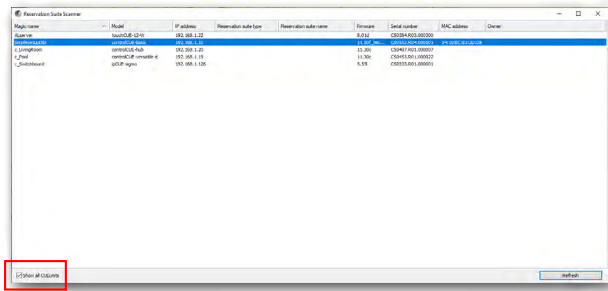
Delay in seconds defines the time between the moment when the event is triggered and the moment when the macro is started. If Delay = 0, the macro is started immediately.



Assign a pre-prepared macro using the Macro scroll list box and press **Save**.

Controller Configuration

Access Admin Web



Run the Internet browser on your PC and type in the touch panel IP address.

The IP address is obtained from the DHCP server by (factory) default or it is 192.168.1.127, if DHCP is not available on the network. The default password is empty.

You can find CUEunits and their IP addresses on the network with Cue Visual Composer / Tools / Scan CUEunits... or with Reservation Suite Scanner. You can open the Internet browser with the admin web of the given unit by double clicking on the line listing this unit.

Login



This screen is not displayed if password is empty (factory default status).

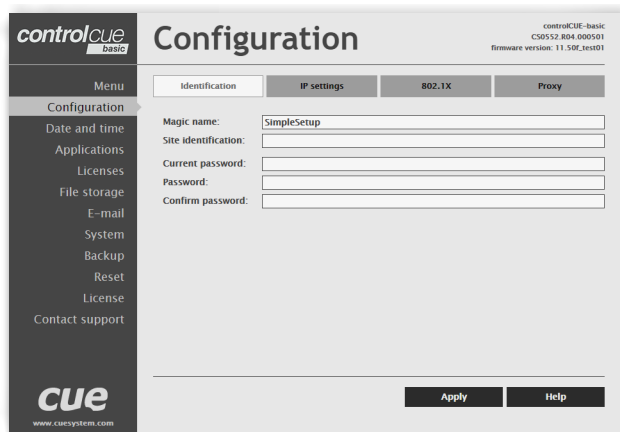
If password is not empty, you have to log in at first to operate your CUEunit via these web pages.

Enter your password into the Password box and click the Login button to enter the CUEunit web pages.

Remember that the password is case sensitive. For changing your password use the Password menu after you are logged in.

Configuration

Identification



Every CUEunit can be identified by a unique Magic name. Magic names are most useful in applications requiring more than one CUEunit or when the CUEunit obtains the IP address from the DHCP server. This enables programmers and installers to reference CUEunits with logical, user friendly names, like "boardroom," "lobby," etc. To set the CUEunit identity, enter the unique name you wish to use in the Magic name box.

Be sure to click the Apply button for any changes to become effective!

A case sensitive password is necessary to log in to the admin web pages. Set a new password via the Password box. You must reenter the password in the Confirm new password box. An error message will appear if the confirmation does not match, in which case you should reenter your password again in both boxes.

Finally, the new password is implemented by clicking the Apply button.

IP Settings

The screenshot shows the 'IP settings' tab in the Configuration menu. It displays the following information:

- Physical address (MAC): 54:10:EC:E3:2D:D8
- Current IP address: 192.168.1.10
- Current subnet mask: 255.255.255.0
- Current default gateway: 192.168.1.2
- Current primary DNS server: 178.17.0.12
- Current secondary DNS server: 192.168.1.1

There are two checked options: "Use DHCP to obtain IP address" and "Use DHCP to obtain DNS server address". Below this is an "Alternate configuration" section with input fields for:

- IP address: 192.168.1.127
- Subnet mask: 255.255.255.0
- Default gateway: 192.168.1.1
- Primary DNS server: (empty)
- Secondary DNS server: (empty)

Buttons for "Apply" and "Help" are at the bottom right.

This page is used for establishing the communication parameters for your CUEunit.

The CUEunit uses standard internet protocol (IP) communication parameters. Certain parameters can be specified by the user. On start up, this page will display the CUEunit's given Physical address (MAC), Current IP address, Current primary DNS server and Current secondary DNS Server. Carefully note this address information (and any changes you make to the IP address, subnet mask, default gateway or primary and secondary DNS server). You can also set the CUEunit to obtain the IP address automatically from the DHCP server. To do this, check the checkbox "Use DHCP to obtain IP address". The IP address or the Magic name must be entered into the Cue Visual Composer program written for your specific application. For control systems with more than one CUEunits, a unique IP address must be given to each CUEunit.

Some control systems are "stand alone" and not part of a larger network. For such stand-alone systems, the Magic name is optional. However, for control systems that are connected to a larger network, please obtain the Host name from the network administrator, and enter it into the Magic name box.

Be sure to click the Apply button for any changes to become effective!

802.1X

The screenshot shows the '802.1X' tab in the Configuration menu. It displays the following information:

- Device identity: (empty text box)
- MDS Authentication:
 - Enable MDS Authentication
 - Password: (empty text box)
- TLS Authentication:
 - Enable TLS Authentication
 - User certificate: (Choose File button, No file chosen)
 - User private key (optional): (Choose File button, No file chosen)
 - Password (optional): (empty text box)
 - Server CA certificate: (Choose File button, No file chosen)

Buttons for "Apply" and "Help" are at the bottom right.

If your LAN is secured using 802.1X, select the "802.1X" tab at the top. Supported authentication methods are MD5 and TLS.

Type "Device identity" in the appropriate box.

If you are using MD5 authentication, check the appropriate checkbox and enter the password for MD5 authentication.

If you are using TLS authentication by a certificate, check the appropriate checkbox. Then tap the "Choose file" button next to "User certificate", select the user certificate file and upload it. The following certificate types are supported: PKCS #12 and x509 (PEM, DER). You can also upload a private key file if the private key is not part of the user certificate. If the user certificate or private key is encrypted, enter the password to decrypt it in the "Password (optional)" box.

In the CA certificate entry, upload the Radius server CA Certificate. Click "Apply" to save the changes.

Proxy

The screenshot shows the 'Proxy' tab in the Configuration menu. It displays the following information:

- HTTPS proxy server:
 - Address: (empty text box)
 - Port: (empty text box)
- Authentication:
 - Login: (empty text box)
 - Password: (empty text box)

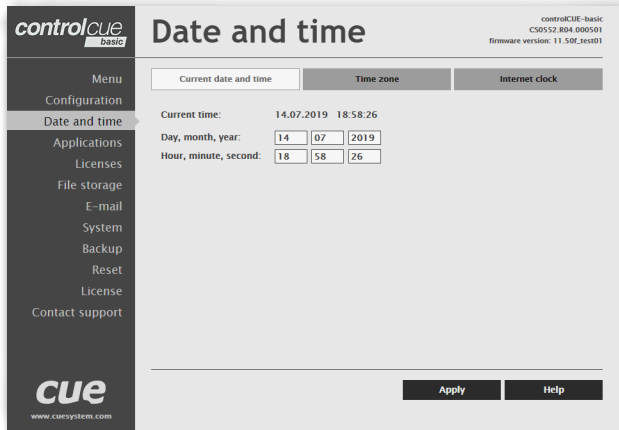
Buttons for "Apply" and "Help" are at the bottom right.

If the proxy server is mandatory to access HTTPS servers on your network, select the "Proxy" tab on the top.

Enter Address and Port of the proxy server. If the proxy server requires authentication, enter the credentials for the proxy server in "Login" and "Password". Click "Apply" to save the changes.

Date and Time

Current date and time



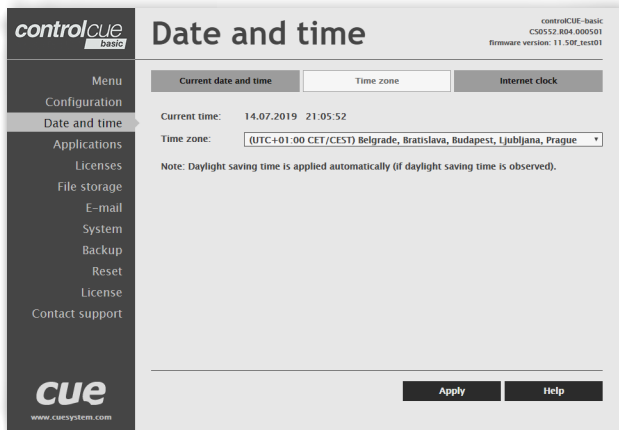
This page is used for setting the time clock on your CUEunit. The current date, time, and time zone are shown on the Current time line.

The applicable boxes can be selected to enter changes to the

- date: day/month/year,
- time: hour/minute/second.

Be sure to click the Apply button for any changes to become effective!

Time zone

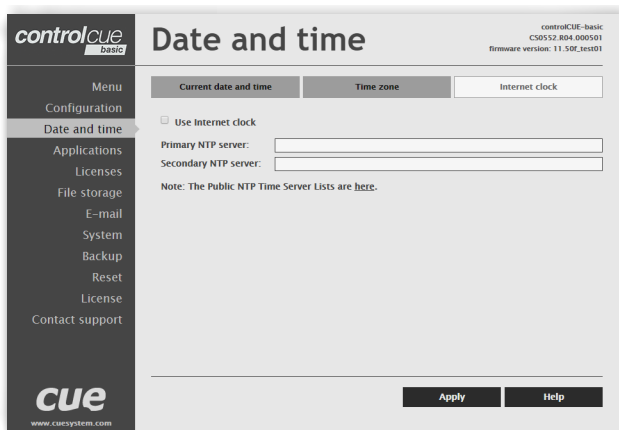


This page is used for setting the time zone on your CUEunit. The current date, time, and time zone, are shown on the Current time line.

The time zone box can be selected to enter changes to the Time zone.

Be sure to click the Apply button for any changes to become effective!

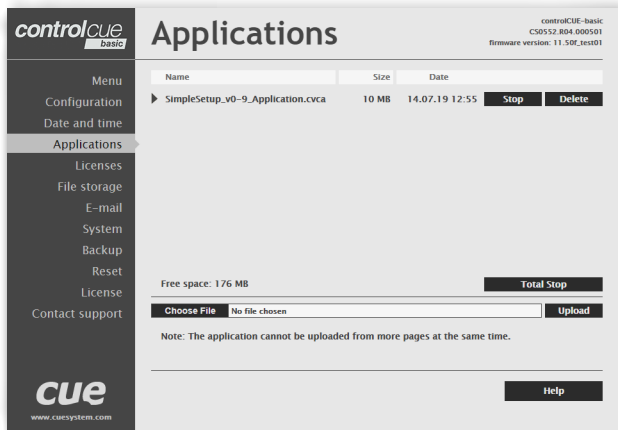
Internet clock



This page is used to synchronize of the CUEunit's date and time with an internet clock. Begin by selecting the check box for Use Internet clock. Next, enter the IP addresses (or complete address name) of the primary and secondary NTP servers. Use the Primary NTP server and the Secondary NTP server boxes for this purpose.

Be sure to click the Apply button for any changes to the internet clock to become effective!

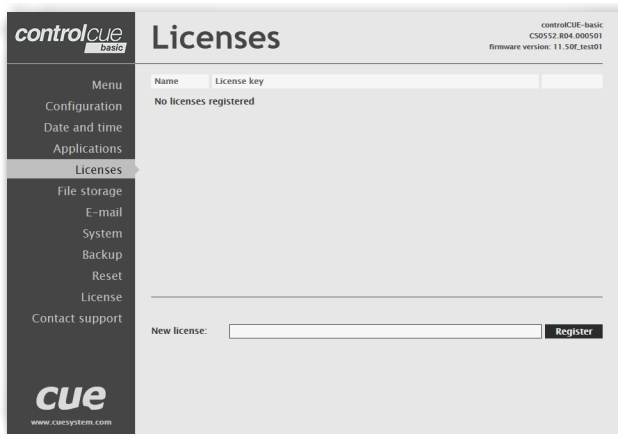
Applications



This page is used for uploading compiled Cue Visual Composer programs to your CUEunit.

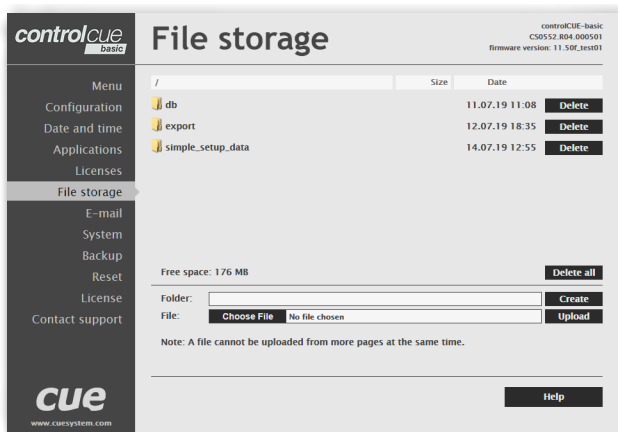
If you are using Simple Setup, you do not need any other applications. The Simple Setup application is built in. This application must be running. If the Stop button is displayed to the right of the application, the application is running and you do not have to do anything. If the Start button is next to the application, start Simple Setup with this button.

Licenses



This page is used for appCUE license management.

File Storage



The CUEunit's generous memory can be used as an auxiliary file storage device. This is helpful for storing presets, archiving electronic manuals or pdf files, and other support documentation. File storage is managed via the file storage page.

If you are using Simple Setup, the configuration data is stored in the simple_setup_data folder. Do not delete it or the files in this folder or change them, otherwise you may disrupt the configuration and cause the system to malfunction.

E-mail

SMTP

controlCUE basic
CS0552-804-010501
firmware version: 11.50F.test01

Menu
Configuration
Date and time
Applications
Licenses
File storage
E-mail
System
Backup
Reset
License
Contact support

controlCUE basic
www.cuesystem.com

E-mail

SMTP | E-mail addresses

Outgoing mail server (SMTP)

Name:

Port:

Encryption
Type:

Authentication
Type:

Username:

Password:

Apply Help

This page is used for setting the parameters of the SMTP server. Set a name or an address and the port of your SMTP server. If you are using Simple Setup, the settings on this page are not used.

E-mail addresses

controlCUE basic
CS0552-804-010501
firmware version: 11.50F.test01

Menu
Configuration
Date and time
Applications
Licenses
File storage
E-mail
System
Backup
Reset
License
Contact support

controlCUE basic
www.cuesystem.com

E-mail

SMTP | E-mail addresses

Sender
Name:
E-mail:

Recipient #1
Name:
E-mail:

Recipient #2
Name:
E-mail:

Recipient #3
Name:
E-mail:

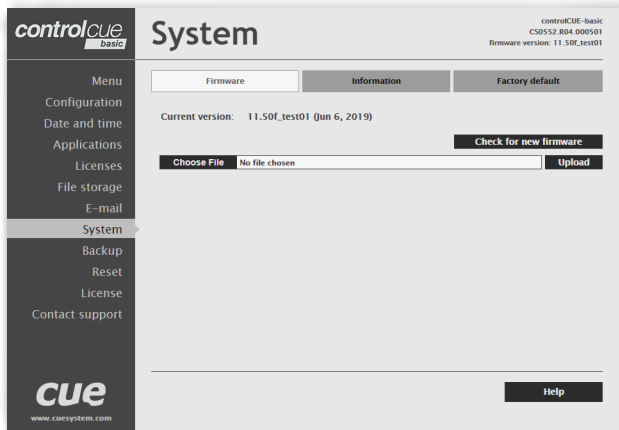
Recipient #4
Name:
E-mail:

Apply Help

This page is used for setting e-mail parameters and recipients addresses. If you are using Simple Setup, the settings on this page are not used.

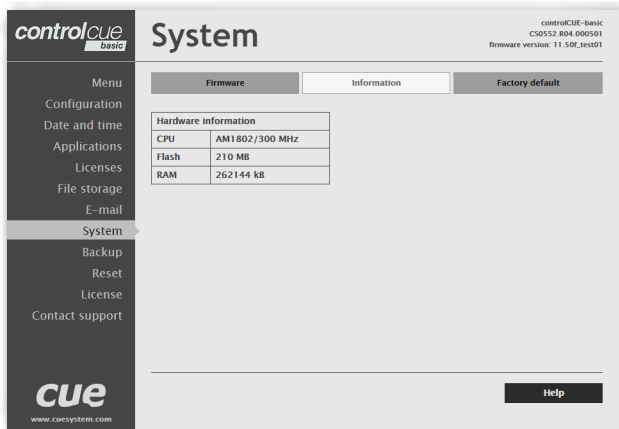
System

Firmware



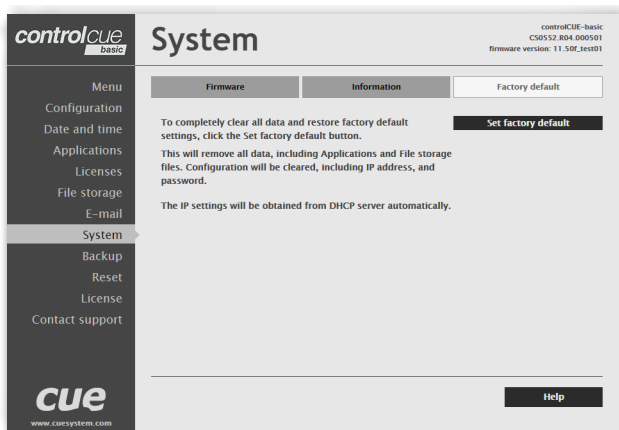
This page is used for updating the CUEunit firmware including Simple Setup application. The Current version of the firmware is shown. To upload new firmware, select the file with the desired version, and click the Upload button. If the unit is connected to the Internet, you can use the “Check for new firmware” button to download the latest firmware.

Information



The page shows the basic information about your CUEunit’s hardware. The CPU type, CPU frequency, and the flash and RAM memory sizes are shown.

Factory default

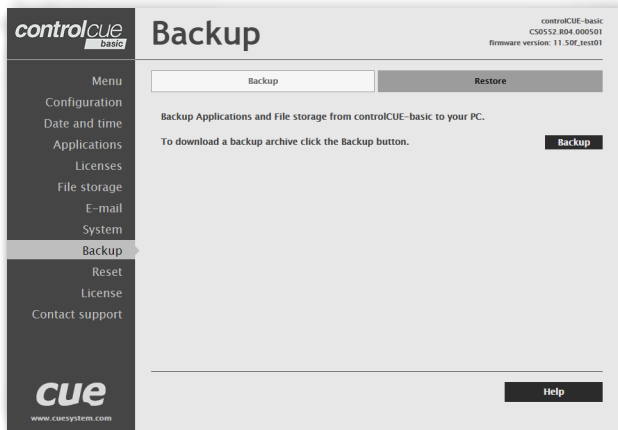


To completely clear all data and restore factory default settings, click the “Set factory default” button. This will remove all data, including Applications and File storage files. Configuration will be cleared including the IP address, password, and touch-screen calibration values. DHCP will be enabled and the IP address will be obtained from the DHCP server.

The current Simple Setup project stored in the controller will be hereby deleted.

Backup

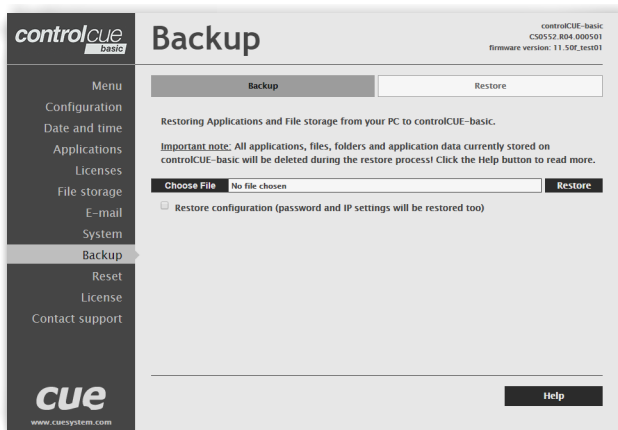
Backup



The page is used for the backup applications, files and folders. The Backup copies all Applications, Application data, File storage and Web storage to one archive which is saved to the PC. To start the backup process, click the Backup button.

Note: To see the backed-up/restored applications, click the Applications menu. To see the backed-up/restored files and folders, click the File Storage menu. The page is used for the backup of all applications, files and folders.

Restore



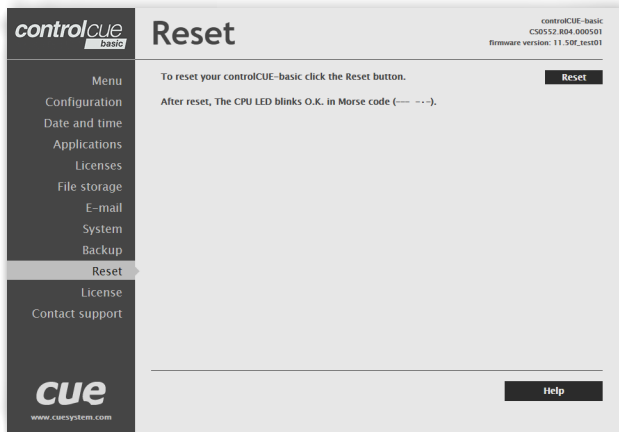
READ ALL IMPORTANT NOTES THAT FOLLOW BEFORE USING THIS OPERATION!

The page is used for the restoring of all applications, files and folders. Restore copies of all applications, files, and folders from a backup archive on the PC to their corresponding locations on the CUEunit. To start the restoration process, select the desired backup archive, then click the Restore button. The restoration process can take up to 10 minutes, depending on the size of the files being restored. If you want CUEunit settings to be restored too, check the "Restore configuration" box. The CUEunit's settings are accessible via the Configuration, Date and time and Password menus.

Important notes

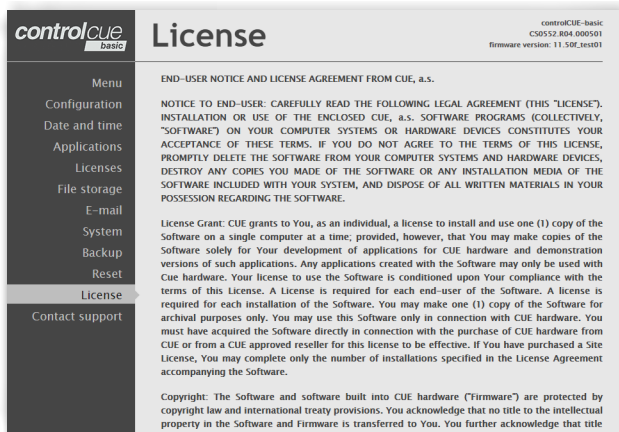
- The current password and IP settings will be restored too. The restoration process takes from 1 to 10 minutes depending on the sizes of the restored files.
- When restoring files, the running application will be stopped and all applications, files, and folders currently stored in the CUEunit will be deleted! If you want to retain them, use the Backup command before the Restore command.
- To see the backed-up/restored applications, click the Applications menu. To see backed-up/restored files and folders, click the File Storage menu.

Reset



To restart your CUEunit, click the Reset button.

License



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