

# SUNLITE-BC

**sun**lite

*Sunlite USB-DMX controller*



## Overview

Featuring 256 DMX channels, the SUNLITE-BC includes SUT (Smart Upgrade Technology) and is upgradable to 512 channels or more using optional Art-Net universes.

Compatible with Sunlite Suite 2 and 3 running in Express Mode, with the option to upgrade to Full Mode, the Sunlite-BC offers the most affordable way to access the power of Sunlite.

Each interface comes with internal flash Stand Alone memory, allowing for simple programmed scenes to be run without a computer.

<https://sunlitepro.com>

## Key Features

- Compatible with Sunlite Suite 2 & Sunlite Suite 3  
<https://www.sunlitepro.com/download.htm>
- USB Type-C connection
- 256 DMX channels in Live mode (expandable up to 512) \*
- 128 DMX Stand Alone channels (expandable up to 512) \*
- Buttons for changing scenes and dimmer in Stand Alone mode
- Windows software to write Stand Alone scenes
- Smart Upgrade Technology (SUT)

### \* SUT (Smart Upgrade Technology)

The interface is compatible with SUT (Smart Upgrade Technology). If you need more DMX channels or a Full Mode of software, SUT allows for an easy upgrade through our online portal. You can also purchase licences for any other Nicolaudio Group software. Free 30 days trials on most upgrades. Find out more at [store.dmxsoft.com](https://store.dmxsoft.com).

## Hardware Manager

Included with your software is a tool called *Hardware Manager*. Use this to check that you are running the latest firmware version everytime you update to the latest software version.

## Technical Data

<b>Input Power</b>	5-5.5V DC 0.6A
<b>Output Protocol</b>	DMX512 256 channels Live * 128 channels Standalone *
<b>Software Compatability</b>	Sunlite Suite 2 Express Sunlite Suite 3 Express ESA2 Other packages via SUT *
<b>Connections</b>	USB Type-C, XLR3
<b>Memory</b>	Internal flash
<b>Environment</b>	IP20. 0°C - 50°C
<b>Buttons</b>	2 buttons to change scene + 1 to activate dimmer
<b>Dimentionions</b>	90x50x37mm Complete Package 102x73x45mm
<b>OS Requirements</b>	Refer to specific software documentation
<b>Standards</b>	EC, EMC, ROHS

# CONNECTIVITY

## Live use with a computer

When connected to software, the controller will output DMX directly from the software.

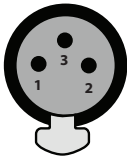


## Stand Alone mode

The controller will start in Stand Alone Mode when powered on. It will look for a project stored on the internal flash and then begin playing scenes.



## I/O Connections



- 1 DMX1 ground
- 2 DMX1 data-
- 3 DMX1 data+

FRONT



REAR



USB-C

# Using the Controller

## Available Software

The controller can be programmed from a PC, iOS (Apple) or Android device using the software listed below. Refer to the corresponding software manual for more information. Firmware and settings can be updated using Hardware Manager (installed with programming software).

### Windows / Mac Programming Software



**Sunlite Suite 3** - Live entertainment software (Windows)  
[https://eu-software.n-g.co/Release/sun\\_suite3.exe](https://eu-software.n-g.co/Release/sun_suite3.exe)  
[https://eu-software.n-g.co/Release/sun\\_suite3Beta.exe](https://eu-software.n-g.co/Release/sun_suite3Beta.exe)



**Sunlite Suite 2** - Legacy software (Windows)  
[https://eu-software.n-g.co/Release/sun\\_suite2.exe](https://eu-software.n-g.co/Release/sun_suite2.exe)



**Hardware Manager** (Windows/Mac) - Firmware, clock  
<https://eu-tools.n-g.co/Release/HardwareManager.dmg>  
<https://eu-tools.n-g.co/Release/HardwareManager.exe>

### Apple iOS and Android Apps



**Sunlite Remote (iOS, Android)**  
Remote control app for Sunlite Suite 3

## Basic Operation

Using your controller with software can be done via the following steps:

- Download Sunlite software from [sunlitpro.com/download](http://sunlitpro.com/download)
- Connect the controller via USB to a computer
- Connect your lights to the XLR ports
- Use Sunlite software to program lives shows (refer to manual / tutorials)
- Use the scenes created in the software to control your lights live

Your controller can also be used in Stand Alone mode. The controller comes pre-programmed with a demo RGB show with 8 scenes. This demo show can be rewritten at any time using Hardare Manager. In most cases you will want to create your own Stand Alone show for your specific fixtures using our software.

## SUT Licence Upgrades

Extra hardware features (e.g. extra DMX512 channels) and software compatibility can be unlocked at:  
[https://store.dmxsoft.com/my\\_interfaces](https://store.dmxsoft.com/my_interfaces)

- Click + *Register a new Interface* and download the SUT driver software. Follow the on-screen prompts.

- Once registered, select your interface on the left. You can buy new upgrades and software licenses, change the device name or transfer the device to a new owner. 30 day software trials are available.

Any licence changes will be *automatically* synchronised the next time you connect your interface to almost any Nicolaudie Group software while connected to the internet.

Note: The Art-Net upgrade allows live output from software only (Sunlite, Daslight etc). The controller cannot output Art-Net when operating in Stand Alone mode.

# Troubleshooting

## The controller is not detected by the computer

- Be sure that the latest software version is installed from our website.
- Connect by USB and open the Hardware Manager (found in the software directory). If it is detected here, try to update the firmware. If it is not detected, try the method below.
- **Bootloader Mode**  
Sometimes the firmware update may fail and the device may not be recognised by the computer. Starting the controller in ‘Bootloader’ mode forces to the controller to start at a lower level and in some cases allows the controller to be detected and the firmware to be written. To force a firmware update in Bootloader Mode:

1. Power off your interface.
2. Remove the PCB from the housing by removing the screws
3. Start Hardware Manager on your computer.
4. Activate Bootloader by bridging the 2 metal components labelled ‘BootLoader’ (using a metal object, such as a screwdriver) whilst connecting power simultaneously. If successful, your interface will appear in HardwareManager with the suffix \_BL.
5. Update your firmware.

Contact [help.sunlitpro.com](mailto:help.sunlitpro.com) for further assistance.

## The lights are not responding


- Check the DMX +, - and GND are connected correctly
- Check that the driver or lighting fixture is in DMX mode
- Be sure that the DMX address has been set correctly
- Check there are no more than 32 devices in the chain
- Connect with the computer and open Hardware Manager (found in the software directory). Open the DMX Input/Output tab and move the faders. If your fixtures respond here, it is possibly a problem with the show file

## Device appears as ‘UNLICENSED’ in software

This message means no licences found on device. The device is likely not yet registered. If you see this message try:

- Connecting your device to a computer with an internet connection
- Go to [store.dmxsoft.com/my\\_interfaces](http://store.dmxsoft.com/my_interfaces)
- Click + Register a new Interface and download the SUT driver software. Follow the on-screen prompts.

If this does not solve it, try completely disabling your firewall or create a rule which allows our software to communicate through your firewall, then repeat the steps above. If this does not solve it, contact support with your device serial number.

 <b>siudi</b> <small>SUNLITE INTELLIGENT USB DMX INTERFACE</small>	Sunlite Suite USB DMX Controller		Ref: SUNLITE-BC	Page 4
	Technical datasheet	Revision date May 2025	<a href="http://www.sunlitpro.com">www.sunlitpro.com</a>	V 2.1

## Intended use

The device is intended for use as a lighting controller to control a wide variety of DMX fixtures. The device is build to be used in live mode (connected to a compatible Nicolaudio Group software), or in stand alone mode (running pre-programmed scenes). If the device is used in any other way than its intended use, there will be no liability assumed.

## Disposal instructions



Dispose of all packaging materials according to local recycling regulations. Do not dispose of materials with your normal household waste. Separate all materials and make sure they are collected for recycling. Follow local regulations and observe markings on the packaging.



Device is not suitable for disposal in your regular household waste. This device contains electrical and electronic components which must be collected separately to enable proper recycling and prevent potential harm to the environment and human health. Ensure your device is disposed of at an official collection point for Waste Electrical and Electronic Equipment (WEE). Contact your local council or municipal authority for nearest drop-off point.

## Company information

Sunlite is a part of the Nicolaudio Group - <https://www.nicolaudiogroup.com>

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