SLESA-U10

NICOLAUDIE ARCHITECTURAL

Easy Stand Alone USB & WiFi - DMX controller

Overview

The Stand Alone DMX controller can be used to control a wide variety of different DMX systems, from RGB/RGBW to more advanced moving and color mixing luminaires. The controller comes with 512 DMX channels (upgradable to 1024) and a variety of features including iPhone/iPad/Android remote control, WiFi facilities, dry contact port triggering and flash memory.

The lighting levels, colors and effects can be programmed from a PC, Mac, Android, iPad or iPhone using the included software.

http://www.nicolaudie.com/slesa-u10.htm

Key Features

- DMX Stand Alone controller
- USB & WiFi connectivity for programming/control
- 512 DMX channels, upgradable to 1024
- Stand Alone mode with 99 scenes
- 100KB flash memory for storing stand alone programs
- 8 dry contact trigger ports via HE10 connector
- Wifi network communication. Control lighting remotely
- OEM customization
- Windows/Mac software to set dynamic colors/effects
- iPhone/iPad/Android remote apps
- SUT Technology allows the device to be used with other Nicolaudie Group software via an online upgrade

Note: feature compatibility depends on which application is being used with the controller and which SUT add-ons have been purchased

Technical Data

Input Power	5-5.5V DC 0.6A
Output Protocol	DMX512 (x2)
Programmability	PC, Mac, Tablet, Smart-phone
Available Colors	Orange
Connections	USB-C, 2x XLR3, 2x HE10
Memory	100KB flash
Environment	IP20. 0°C - 50°C
Buttons	2 buttons to change scene 1 button to change dimmer
Dimensions Complete Package	79x92x43mm 120g 140x135x50mm 340g
OS Requirements	Mac OS X 10.13 + Windows 10/11
Standards	Low voltage, EMC, and RoHS

Optional Accessories

POWER1_EU/UK/US   5V ACDC power supply with EU/UK/US plug

CONNECTIVITY

Live use with a computer

OR

WiFi

USB Type-C

PC or Mac running the software

Universe 2
(Optional SUT upgrade)

Universe 1

Stand Alone or live use with a smartphone/tablet
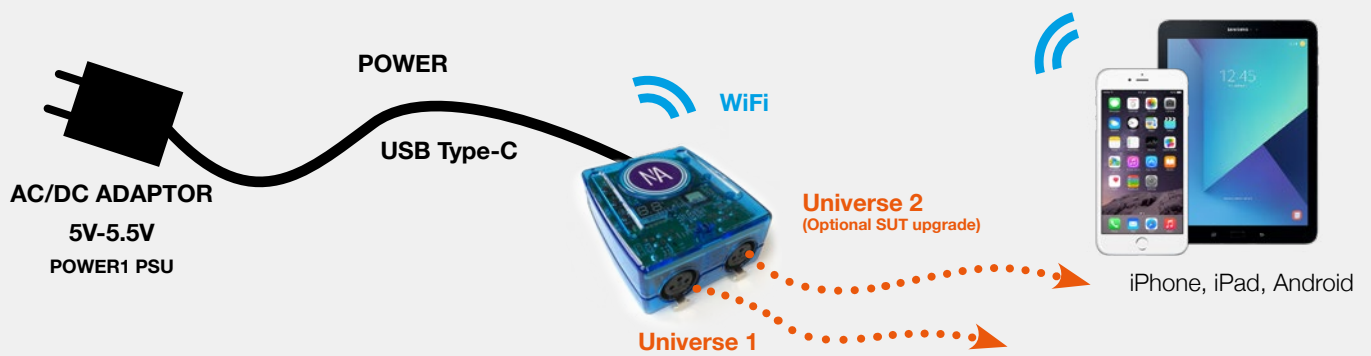
POWER

USB Type-C

WiFi

AC/DC ADAPTOR

5V-5.5V

POWER1 PSU

Universe 2
(Optional SUT upgrade)

Universe 1

iPhone, iPad, Android

External HE10

GND	P6	P4	P2	
P8	P7	P5	P3	P1

P1 PORT 1   **P6** PORT 6
P2 PORT 2   **P7** PORT 7
P3 PORT 3   **P8** PORT 8
P4 PORT 4   **GND** Ground
P5 PORT 5

Internal HE10

2	4	6	8	10
1	3	5	7	9

1 Ground   **6** NEXT
2 Dimmer   **7** Zone
3 DMX1+   **8** LED DMX
4 PREVIOUS   **9** VUSB
5 DMX1-   **10** LED USB

External HE10

Internal HE10

Universe 1
DMX Chip
SP485ECP-L
MAX485CPA+
ADM485JNZ

Universe 2
DMX Chip

WiFi antenna   USB-C   8 dry contact ports

REAR

FRONT
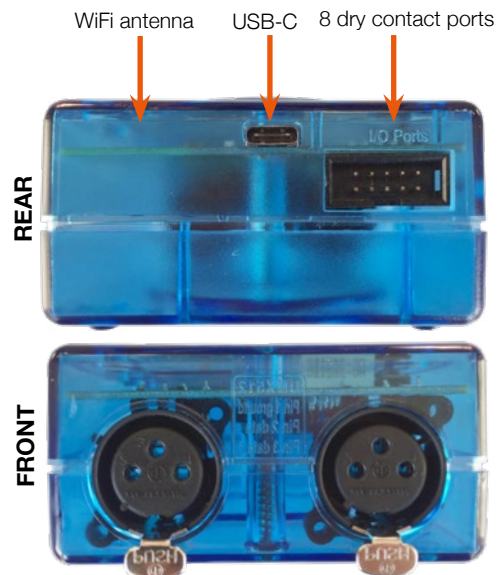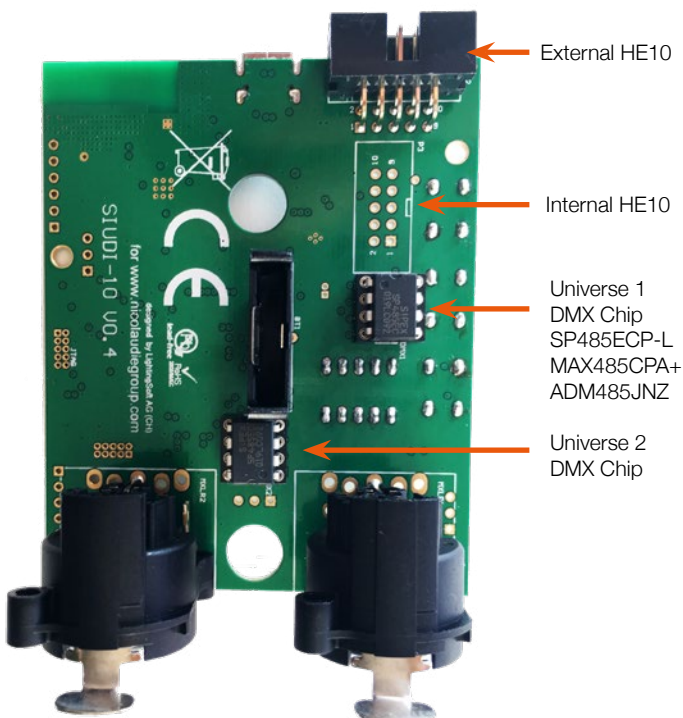
Universe #1
1 DMX1 ground
2 DMX1 data-
3 DMX1 data+

Universe #2
1 DMX2 ground
2 DMX2 data-
3 DMX2 data+

Setting up the Controller

Network Control

The controller can be connected directly from a computer/smartphone/tablet (Access Point Mode), or it can be connected to an existing local network (Client Mode). The controller will work in Access Point (AP) Mode by default. See *Programming the Controller* for further information

- In AP Mode, the default network name is **Smart DMX Interface XXXXXX** where X is the serial number. For serial numbers above 179000 the default password is **smartdmx0000** For serial numbers below 179001 the default password is **00000000.**
- In Client Mode, the controller is set, by default, to get an IP address from the router via DHCP. If the network is not working with DHCP, a manual IP address and subnet mask can be set. If the network has a filewall enabled, allow port 2430

Upgrades

The controller can be upgraded at store.dmxsoft.com. Hardware features may be unlocked and software upgrades may be purchased without the need to return the controller.

Dry Contact Port Triggering

Scenes can be started using the input ports (contact closure). To activate a port, a contact of at least 1/25 second must be made between the ports (1...8) and the ground (GND) using the external HE10 connector. To respond, scenes must be assigned to a port 1-8 in the programming software before writing to the dmx interface. Refer to software manual. Note: Scenes will not stop or pause when connection is released.

Connector: IDC Connector, Female, 2.54 mm, 2 Row, 10 Contacts, 0918 510 6813
Cable: Ribbon cable. 191-2801-110
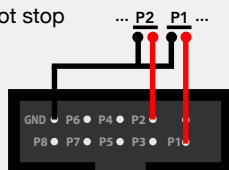
iPhone/iPad/Android Remote Control

Arcolis Remote Remote controller app for Wireless LAN. Control scene selection, dimmer and scene reset. The app will find all compatible devices on a network.

Arcolis Remote Pro Create an entirely customized remote controller for your tablet or smartphone. Arcolis Remote Pro is a powerful and intuitive app allowing you to easily add buttons, faders, color wheels and more. The app will find all compatible devices on a network.

Note: * Color wheel and color selection remote control functions are not supported with this model of controller.

www.nicolaudie.com/arcolis

Light Rider

The SLESA-U10 can be upgraded to work with Light Rider by purchasing a SUT licence @ store.dmxsoft.com

Push your light show to the next level with the new DJ app for Android and iPad. Light Rider lets you control your DMX lights without needing to program anything: www.lightrider.com

UDP Triggering

The controller can be connected to an existing automation system over a network and triggered via UDP packets on port 2430. Refer to the remote protocol document for more information.

Programming the Controller

The controller can be programmed from a PC, Mac, Tablet or Smartphone using the software available on our website. Refer to the corresponding software manual for more information. The firmware can be updated using the Hardware Manager which is included with the programming software and also available on the App Store.

ESA2 Software (Windows/Mac)
http://www.nicolaudie.com/esa2.htm

ESA Pro 2 (Windows/Mac)
https://www.nicolaudie.com/esapro2.htm

Hardware Manager (Windows/Mac/iPhone/iPad) - Firmware, settings ...
https://eu-tools.n-g.co/Release/HardwareManager.exe
https://eu-tools.n-g.co/Release/HardwareManager.dmg

iPhone/iPad/Android version can be found by searching for 'Hardware Tools' on the app stores.

Service

Serviceable parts include:
- DMX Chips - used to drive the DMX (see page 2.)

Troubleshooting

'88' is showing on the display

The controller is in bootloader mode. This is a special 'startup mode' which is run before the main firmware loads. Try re-writing the firmware with the latest hardware manager

'EA' is displayed

There is no standalone show on the device. Try writing a show to it.

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 recognized 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. Start HardwareManager on your computer
  3. Press and hold the dimmer button (marked 'PB_ZONE" on PCB) and connect the USB cable at the same time. If successful, your interface will appear in HardwareManager with the suffix _BL.
  4. Update your firmware

'LI' is showing on the display

This stands for 'LIVE' mode and means that the controller is connected and running live with a computer, tablet or smartphone.

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
- Check that the red DMX LED is flickering. There's one by each XLR
- 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

What do the LED's on the controller signify?

- Blue :
  ON : Connected but no data transmission
  Flickering : WiFi activity
  OFF : no WiFi connection
- Yellow : The device is receiving power
- Red : Flickering indicates DMX activity
- Green : USB activity