SLESA-U11

Smart DMX Interface (USB & Ethernet)

Overview

The new SLESA-U11 is built on the latest generation of lighting controllers from Nicolaudie Architectural and combines all our recent innovations.

Programmable with ESA Pro 2 software or with Arcolis, the SLESA-U11 features the new Nicolaudie Stand Alone engine (NSA) offering incredible power with multi-zone, extended triggers and 16-bit channels management. Intuitive backlit keyboard with 10 presets and zone selection. With an Ethernet connection and Wifi, the SLESA-U11 can be controlled using Arcolis Remote Pro or Arcolis Remote apps from a smartphone or tablet.

http://www.nicolaudie.com/slesa-u11.htm

Key Features

- 2x DMX512 universes in live mode (computer/tablet)
- 2x DMX512 universes in stand alone mode
- Expandable from 2 to 4 DMX512 universes
- Intuitive backlit keyboard with 10 presets
- 99 scenes across 5 zones
- USB & Ethernet for programming/control
- Multi-zone microSD memory
- 16 dry contact trigger ports via 20-Pin IDC Socket
- Clock and calendar with Sunrise/Sunset triggering
- Network communication. Control lighting remotely
- OEM customization
- Windows/Mac software to set dynamic colors/effects
- Phone/iPad/Android remote and programming apps
- Metal bracket, mount to a wall or under a desk
- DMX in or out. RDM ready.
- Extended triggering possibilities (TCA)
- Smart Upgrade Technology (SUT)

Technical Data

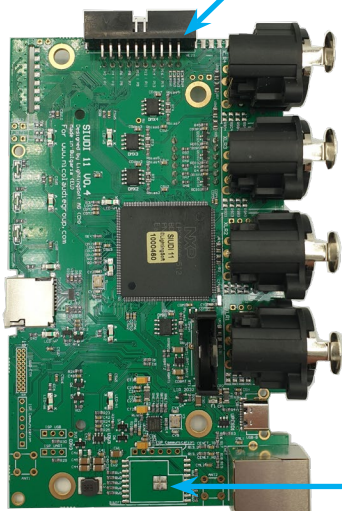|	
Input Power	5-5.5V DC 0.6A
Output Protocol	DMX512
Programmability	Windows, Mac OS, iOS, Android
Available Colors	Light Gray Stardust, Anthracite Dark Gray
Connections	Type C USB, XLR3, Ethernet, 20-Pin (2x10) Male IDC Socket, battery
Memory	microSD SD & SDHC (32Gb Max)
Environment	IP20. 0°C - 50°C
Buttons	10 buttons for direct access 2 buttons to change scene + 1 button to change zone
Dimensions	160x90x45mm 268g
OS Requirements	Mac OS X 10.8-10.15 Windows 10 64bit
Standards	EC, EMC, ROHS

Optional Accessories

CONNECTIVITY

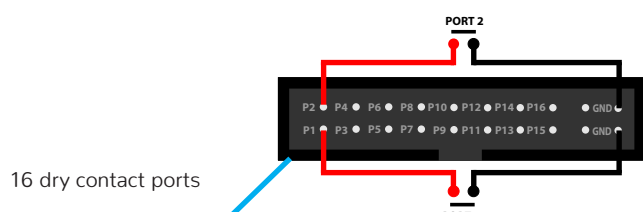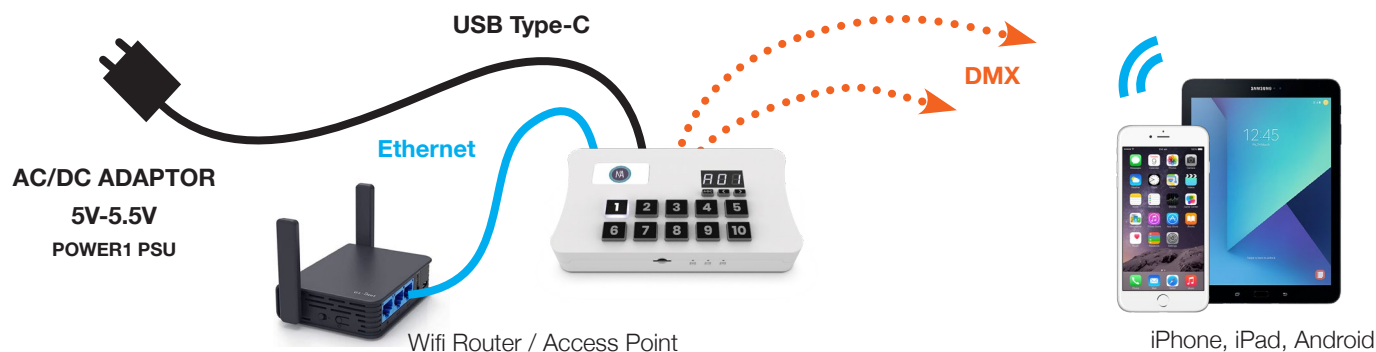## Live use with a computer

When connected to software the controller will output DMX directly from the software and will display LI on the screen.

Ethernet

OR

USB Type-C

DMX

2 Universes,
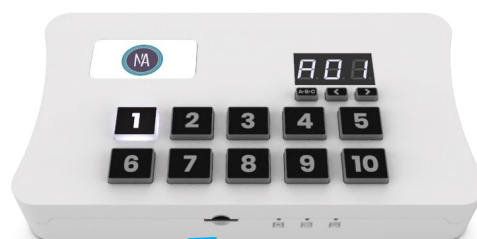expandable to 4

PC or Mac running the software
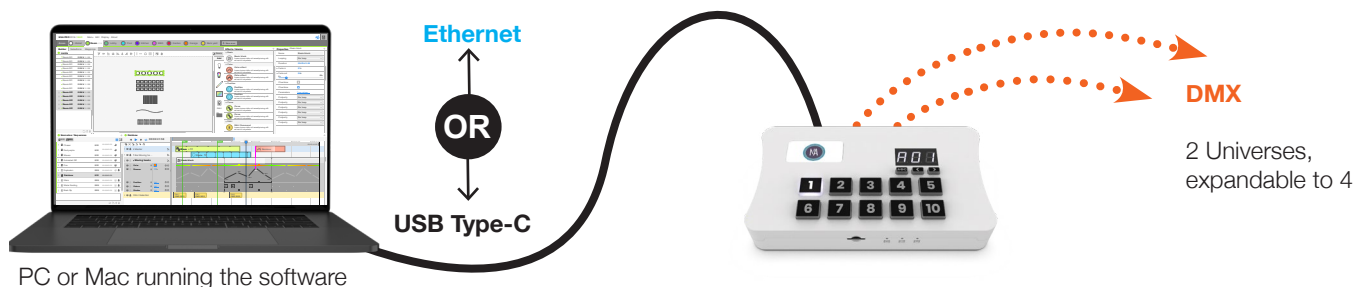
Stand Alone or live use with a smartphone/tablet

By default, the controller will start in Stand Alone Mode when powered on. It will look for a project stored on the microSD card and then begin playing scenes. A01 indicates Scene 1 from zone A is playing.

USB Type-C

DMX

AC/DC ADAPTOR

5V-5.5V

POWER1 PSU

Ethernet

Wifi Router / Access Point

iPhone, iPad, Android

PORT 2

| P2 • P4 • P6 • P8 • P10 • P12 • P14 • P16 • | GND • |
| P1 • P3 • P5 • P7 • P9 • P11 • P13 • P15 • | GND • |

16 dry contact ports

PORT 1

FRONT

SD CARD

REAR

Rechargeable
battery holder
(LIR 2032)

Universe #1,2,3,4
1 DMX1 ground
2 DMX1 data-
3 DMX1 data+

USB-C   ETHERNET

Setting up the Controller

Programming the Controller

The controller can be programmed from a PC, Mac, 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 PC/Mac programming software) or with Hardware Tools (Android / iOS, compatibility coming soon).

Windows / Mac Programming Software

ESA Pro 2 Software (Windows/Mac) - Multi-zone
nicolaudie.com/esapro2.htm

ESA2 Software (Windows/Mac) - Single Zone
nicolaudie.com/esa2.htm

Hardware Manager (Windows/Mac) - Firmware, clock..
Find this under Tools @ nicolaudie.com/download.htm

Apple iOS and Android Apps

Arcolis Designer
Multi-zone programming from a tablet or smartphone

Hardware Tools
Update firmware, set clock, settings, etc.

Basic Operation

Your controller comes pre-programmed with a demo RGB show with 8 scenes (A01-08). This demo show can be rewritten at any time using HardareManager. In most cases you will want to create your own show for your specific fixtures using our software.

- Download ESA Pro 2 or ESA2 from nicolaudie.com/download.htm or Arcolis Designer from the Android Playstore or iOS App Store.
- Connect the controller with USB or ETHERNET to a network. Arcolis can connect with Wifi or with USB (Android only)
- Connect your lights to the DMX1 or DMX2 connectors
- Use app to program your controller (refer to manual / tutorials)
- Use the controller in stand alone mode with USB power
- Trigger the scenes with the remote apps, dry contacts, internal clock/calendar, UDP messages or the 10 buttons keypad

Remote Control Over Local Network

Nicolaudie provide free apps to allow remote control over a local area network. Connect the controller to a Wifi network by Ethernet cable. The apps will find all compatible devices on the network. Use Hardware Manager tool to configure the network settings for your controller using a USB connection.

Arcolis Remote
Lightpad provides a simple interface allow you to trigger scenes with multizone control, manual color control, dimmer, speed, scene stop and scene reset. (Available iOS / Android)

Arcolis Remote Pro
Create a customized remote control interface for your tablet or smartphone. Easy Remote Pro allows you to add scene buttons, color controls and faders. (Available iOS / Android)

UDP Network Triggering
The controller can be connected to an existing automation system using a local area network (LAN) and triggered via UDP packets on port 2430. Refer to the remote protocol document for more information. Note: This interface cannot be controlled over the internet.

Mount Controller

Mount your controller against a wall or under desk with a sliding metal bracket and 2 screws. Metal bracket provided on request only.

Dry Contact Port Triggering

Port triggering is possible using the *20-Pin (2x10) Male IDC Socket* on the right hand side of the controller. You will need to remove a plastic protective cover to access it.
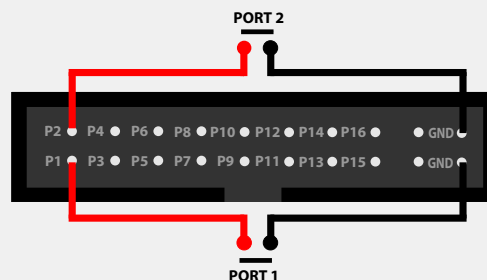
To activate a port, a brief contact of at least 1/25 second must be established between the ports (1...16) and the ground (GND) using the external HE20 connector.

Upgradeable Features

Extra features (e.g. extra universes) and software compatibility can be unlocked at store.dmxsoft.com. Licences are automatically synchronised to your controller by our software when connected to the internet. 30 day free trials available on some software.

Display Messages

000 022 at startup -> means serial number 1 000 022
A01 to E99 -> Stand Alone OK (Zone A-E + Scene No. displayed)
USB/Eth PC -> connected to a Windows software (live mode)
USB/Eth nAC -> connected to a MacOS software (live mode)
USB/Eth LI -> connected to a Linux software (live mode)
USB/Eth APP -> connected to another OS app (live mode)
no LIC -> no licences (the interface needs to be registered)
no Sd -> no sdcard
no Sho -> sdcard empty or files not good
err CHA -> too many channels in the show files
err PIN -> Hardware configuration problem (return the interface)
err XXX -> Error code number XXX (send us the code)
HDF XXX -> Hardware fault number XXX (send us the code)

Troubleshooting

'888' is flashing 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 available from the downloads section of our website.

'no SHo' is displayed

There is no show on the microSD device. Use our software to write a new show.

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. Start HardwareManager on your computer
  3. Activate Bootloader by holding down the 3 buttons under the screen (A-B-C, < , >) while connecting power. If successful, your interface will appear in HardwareManager with the suffix _BL.
  4. Update your firmware

'USB' or 'ETH' is showing on the display

This means your controller is connected by either USB or Ethernet to our software for live output of DMX and programming of the memory. We refer to this as 'Live Mode'. Note that remote control apps do not connect in this way.

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?

- Yellow : The device is receiving power
- Red : Flickering indicates DMX activity
- Green : USB activity