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 Ethernet connection, the SLESA-U11 can be controlled using Easy Remote Pro or LightPad 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.
- Ingenious USB-C Protection
- 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 7/8/10 64bit
Standards	EC, EMC, ROHS

Optional Accessories

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

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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) - Multizone
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 - Search for 'Arcolis' on the Google Play Store and iOS App Store.

Hardware Tools (compatibility coming soon)
Search for 'Hardware Tools' on the iOS App Store. Android coming soon.

Basic Operation

- Download ESA Pro 2 or ESA2 from nicolaudie.com/download.htm or ARCOLIS 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 calendar, UDP triggering or the 10 buttons keypad

Remote Control Over Local Network

We 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.

Easy 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)

Lightpad
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)

UDP Network 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.

Upgradeable Features

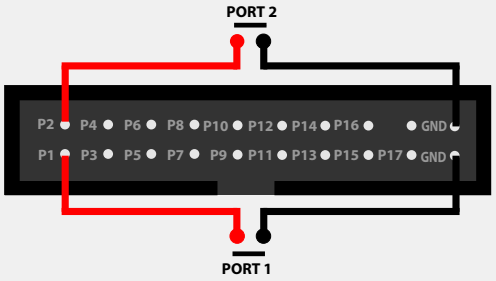
Extra features and software compatibility can be unlocked at store.dmxsoft.com. 30 day free trials exist for some software.

Mount Controller

Mount your SLESA-U11 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 SLESA-U11. You may need to remove a a protective cover in order to access it. With the ESA Pro 2 software you can create powerful trigger rules using combinations of calendar, 16 port triggers and UDP messages.



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.

UDP Network Triggering

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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)

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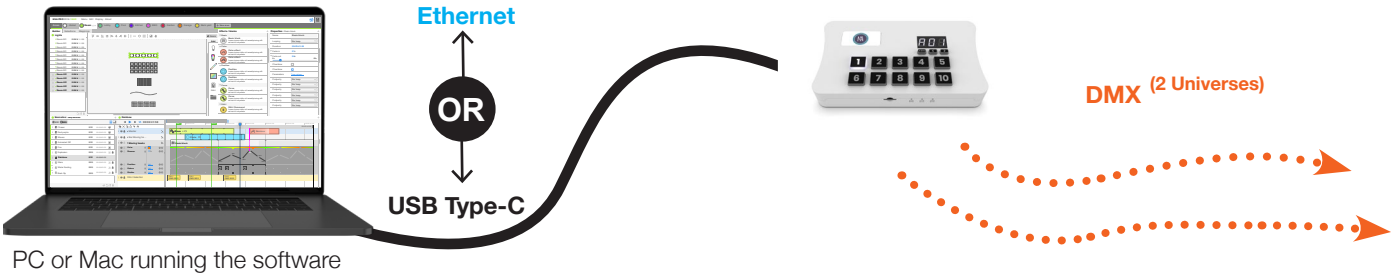
CONNECTIVITY

Live use with a computer



PC or Mac running the software

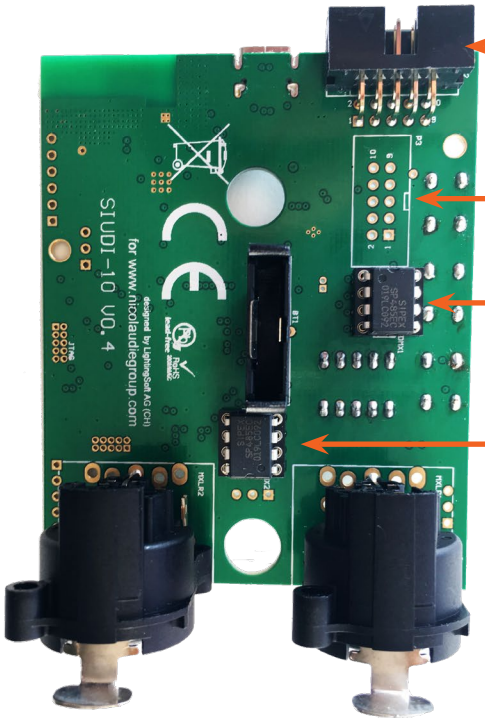
Stand Alone or live use with a smartphone/tablet

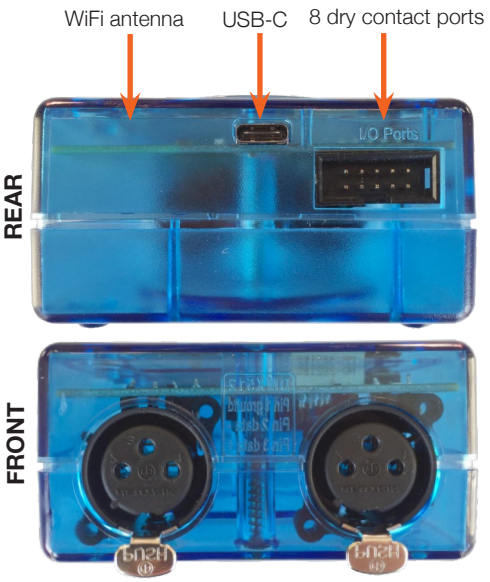
External HE10

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

Internal HE10

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





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

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

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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 show on the device.

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. 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

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