SLESA-U11

Smart DMX Interface (USB & Ethernet)

NICOLAUDIE
ARCHITECTURAL

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.cqiled.com/cn/product/slesa-u11.html

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 (total) 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
Connections	Type C USB, XLR3, Ethernet, 20-Pin (2x10) Male IDC Socket, battery
TCP Connections	2
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 10.13 onwards Windows 8.1 64bit onwards
Standards	ETL, EC, EMC, ROHS

Optional Accessories

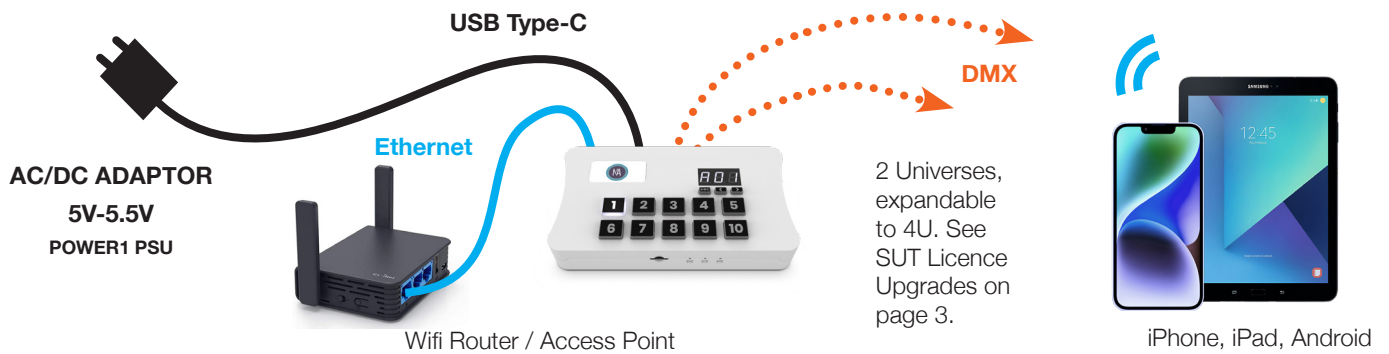|			
POWER1EU/UK/US	5V AC/DC PSU with EU/UK/US plug	**WALL BRACKET**	Attach to flat surface with 2 screws

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

PC or Mac running the software

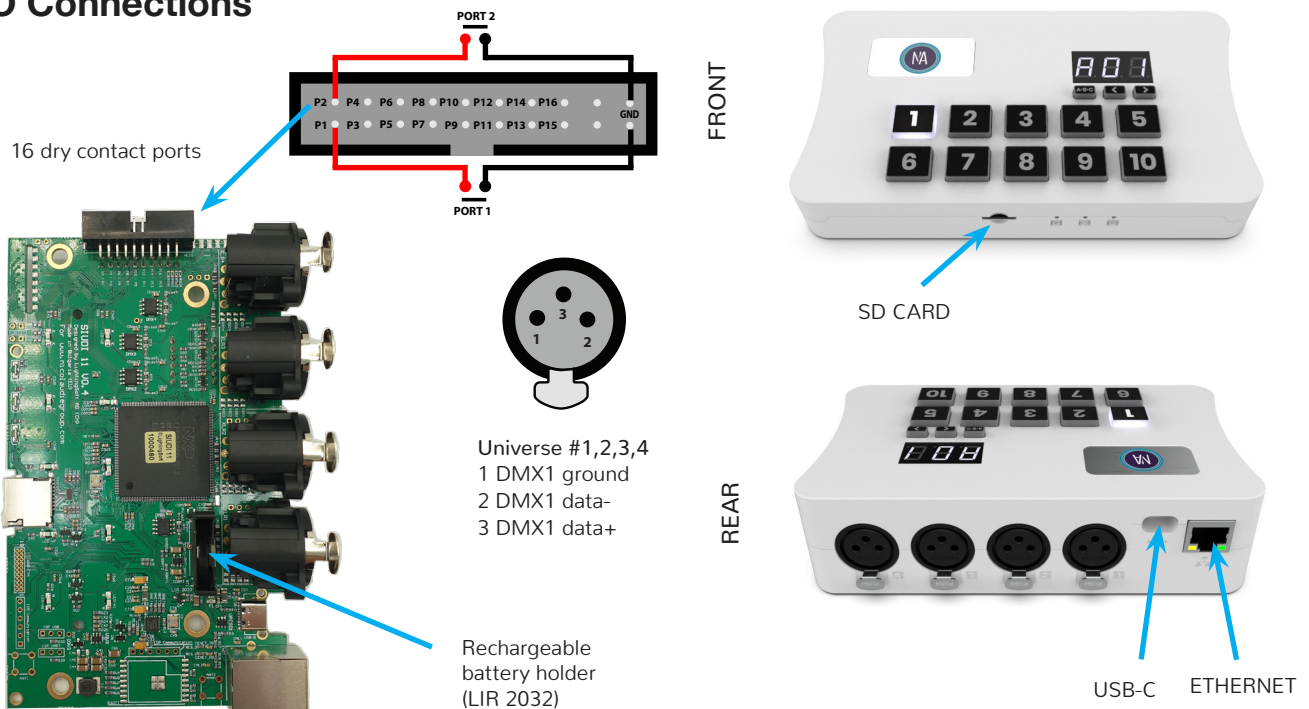2 Universes, expandable to 4U. See SUT Licence Upgrades on page 3.

Stand Alone or live use with a smartphone/tablet

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

2 Universes, expandable to 4U. See SUT Licence Upgrades on page 3.

iPhone, iPad, Android

I/O Connections

16 dry contact ports

PORT 2
P2 P4 P6 P8 P10 P12 P14 P16
P1 P3 P5 P7 P9 P11 P13 P15 GND
PORT 1

FRONT

SD CARD

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

Rechargeable battery holder (LIR 2032)

REAR

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). Refer to the SUT page in HardwareManager for a full list of software licences.

Windows / Mac Programming Software

ESA Pro 2 Software (Windows/Mac) - Multi-zone
http://www.cqiled.com/cn/product/esapro2.html

ESA2 Software (Windows/Mac) - Single Zone
http://www.cqiled.com/cn/product/esa2.html

Hardware Manager (Windows/Mac) - Firmware, clock
http://www.cqiled.com/cn/product/hm.html

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

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.
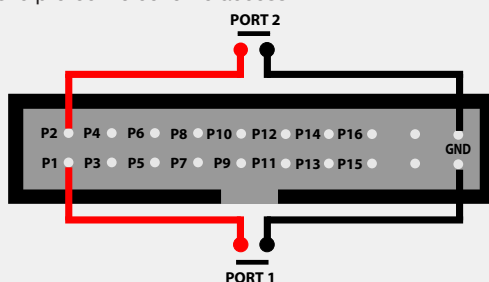
To activate a port, a brief contact of at least 1/25 second must be established between the ports (1...16) and the ground (GND) using the external HE20 connector.

A suitable IDC cable can be found by searching for '*IDC 20 Pins Connector Flat Ribbon Cable Female Connector 2.54mm Pitch*'. If making your own cable you will need '*20 Way Flat Ribbon Cable, Pitch 1.27mm*'. To connect cable to a screw terminal breakout board, search for '*IDC20 2x10 Pins Male Header Breakout Board*'.

Mount Controller

A metal bracket for mounting against a wall is available upon request.

Remote Control Over Local Network

Free apps are provided to allow remote control over a local area network when running in stand alone mode. Connect the controller to a Wifi network. The apps will find all compatible devices on the network using multicast / broadcast messages. Use *Hardware Manager* to configure the network settings for your controller.

Arcolis Remote - A simple interface provides the easiest way to control your device (iOS / Android)

Arcolis Remote Pro Create a customized remote controller with buttons, faders and color control (iOS / Android)

UDP Network Triggering
Refer to User Manuals > Siudi11 Dina1 & 2 Remote Control document at nicolaudie.com/download.htm

SUT Licence Upgrades

Extra hardware features (e.g. extra DMX512 universes) and software compatibility can be unlocked at :
store.nicolaudie.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 features and software compatibility, change the device name or transfer the device to a new owner. 30 day software trials 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 Artnet upgrade allows live output from software only (Daslight, Sunlite etc). The SIUDI-11A cannot output Artnet when operating in Standalone mode.

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)
See Trouble Shooting section for other messages.

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. 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

'8.8.8.' 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.

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

Displayed error messages

You may see one of the following messages on the LCD display

no LIC	no licences found on device. See information below this table.
no SD	no SD card detected. insert an SD card.
no Sho	no show files detected on the SD card. write a show using our software.
bAd Sho	invalid show found on SD card. write a new show using our software
err drl	drive fail - make sure the microSD is formatted to FAT16 or FAT32 and 32Gb or less in capacity - try replacing microSD, if faulty
err CHA	too many channels in the show files. Reduce number of channels in your show or purchase channel upgrade if an extra DMX port is available. max 4 universes, 2048 channels
err PIN	try rewriting your show Contact support with error number
err XXX	error code number XXX. send support code.
HDF XXX	hardware fault number XXX. send support code

no LIC

This message means no licences found on device. The devices should come pre-registered with licences installed.   If you see this message try :
- connecting your device to a computer with an internet connection
- open latest version of HardwareManager from our website
- select the controller on the left
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 surport with your device serial number.   The serial number is displayed when it first powers on; see display messages on page 3.