



data led
mini usb
reset button
micro SD
dmx led

Touch-sensitive user interface

Screw-terminal rear connector (5 pins)

Extension socket rear connectors (2x10 pins)

Power+DMX socket (RJ45)

Ethernet socket (RJ45)

Front access connections



Rechargeable battery

11 mm

| | |
|-------------------------|---|
| Package | Interface, sdcard, datasheet, cdrom, usb cable |
| Software | ESA + ESA PRO on PC/Windows, ESA2 on PC + MAC |
| Mobile Apps | DMX Lightpad 3 + ARCOLIS on iPhone/iPad/Android |
| Available colors | Black frame, various front panel design |
| Options | See the OPTIONS table |
| Standards | EC, EMC, ROHS, ETL, UL (some are in process) |
| Temperature | -10°C to 45°C |
| Dimensions | 146x106x11 mm Complete package 177x146x48 mm |
| Weight | 247 g 8.71 oz Complete package 492 g 17.4 oz |

| CONNECTION SPECIFICATIONS | | Built-in features | Screw-terminal rear connector (5 pins) | Extension socket rear connectors (2x10 pins) | Power+DMX socket (RJ45) | Ethernet socket (RJ45) | Front access connections |
|---------------------------|---|-------------------|--|--|-------------------------|------------------------|--------------------------|
| Power Supply | 6V DC 0.6A, optional | | • | | • | | USB |
| DMX Output #1 | First universe, 512 channels DMX512 output | | • | • | • | | |
| DMX Output #2 | Second universe, 512 channels DMX512 output | | | • | • | | |
| USB | USB communication for PC/Mac software | | | | | | • |
| Ethernet | Advanced networking features | | | | | • | |
| Ports 1,2,...,8 | 8 Contact closure inputs, connect to ground for operating | | | • | | | |
| User interface | 10 buttons, 1 wheel, 1 color display, 5 leds (Touch-sensitive keypad) | • | | | | | power/data leds |
| SD card | Micro sd card for stand alone memory use (supplied) | | | | | | • |
| RESET | Push button for feet operation | | | | | | • |
| RS232 | RS232 serial communication for external synchronisation | | | • | | | |
| Output relay | Automatic standby 5V signal | | | • | | | |
| Clock | Real-time clock and calendar | • | | | | | |

| OPTIONS / ACCESSORIES | |
|-----------------------|---|
| RJ2BLOCK | RJ45 to connector block converter for POWER+DMX |
| POWER4M | Dedicated power adapter 110-220V to 6VDC |
| VERSIONS | WHITE OR BLACK front panel, choices of wheel design |

EASY INSTALLATION

1. Mount an electrical box inside the wall

The S.T.I.C.K. controller can be installed in any standard electrical backbox. If you use a double size box, you can insert the power supply inside.



2. Connect the wires

POWER: Connect a 5.5V or 6V DC 0.6A. Be sure to not invert the + and the ground.

DMX: Connect the DMX cable to the lighting receivers (Leds, Dimmers, Fixtures..) (for XLR: 1=ground 2=dmx- 3=dmx+)

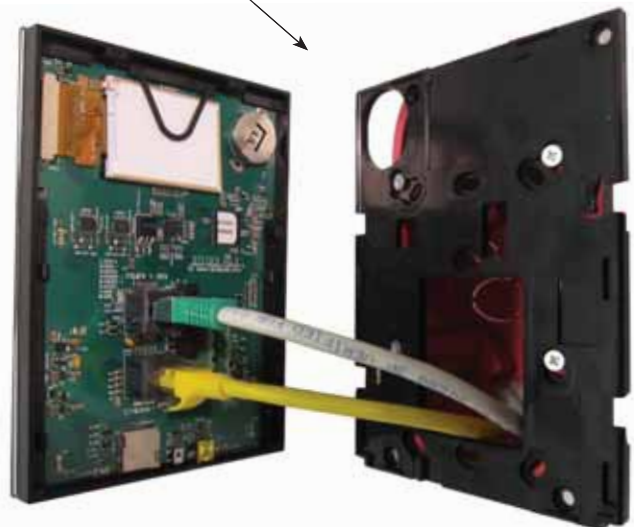
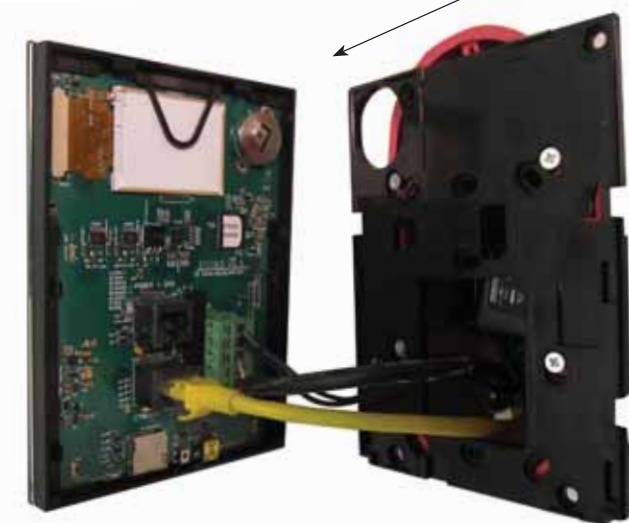


3. Mount the interface on the wall

First, mount the back side of the interface on the wall with 2 or more screws

Secondly, plug the connectors :

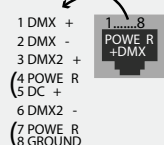
- Ethernet cable
- DMX and power (connector block or RJ45)



POWER+DMX
WITH THE
CONNECTOR BLOCK



POWER+DMX
WITH THE
RJ45 CABLE



2x10 pins EXTENSION connector

DMX CHIPS can be replaced here

DMX universe #1
DMX universe #2

Ref: SP485ECN-L
MAX485 CSA

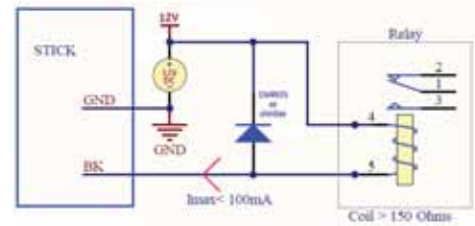


| | | | |
|---------|----|----|----------|
| VIN | 20 | 19 | PORT1 |
| GND | 18 | 17 | PORT2 |
| IR_RX | 16 | 15 | PORT3 |
| 3.3V | 14 | 13 | PORT4 |
| Relay | 12 | 11 | PORT5 |
| DMX2+ | 10 | 9 | PORT6 |
| DMX2- | 8 | 7 | PORT7 |
| DMX1+ | 6 | 5 | PORT8 |
| DMX1- | 4 | 3 | RS232 RX |
| GND_DMX | 2 | 1 | RS232 TX |

Compatible connectors:
WURTH ELEKTRONIK ref: 61301021121
MOLEX ref: 10-89-7202
TE Connectivity ref: 1-87227-0
FCI ref: 77313-101-20LF
HARWIN ref: M20-9981046
SAMTEC ref: TSW-110-xx-T-D
FARNELL ref: 1841232
RS ref: 763-6754 673-7534 251-8165
MOUSER ref: 538-10-89-7202
DIGIKEY ref: WM26820-ND

BLACKOUT relay (energy saving)
using the 2 pins : BK and G (GND)

Example of relay : FINDER
Ref. 22.23.9.012.4000
<http://www.findernet.com/fr/products/profiles.php?serie=22&lang=en>



RS232 triggering

Make a cable using the 3 pins : TX, RX and G (GND)

Set the RS232 parameters to : 9600bds 8 bits, no Parity, 2 Stop bits

- To play a scene, send 3 bytes : **1 x 255** (x = scene number)
- To stop a scene, send 3 bytes : **2 x 255** (x = scene number)
- To pause a scene, send 3 bytes : **3 x 255** (x = scene number)
- To release a pause, send 3 bytes : **4 x 255** (x = scene number)
- To reset a scene, send 3 bytes : **5 x 255** (x = scene number)

Note: the scene number (x) can be from 1 to 40. For instance, 11 means Page B Scene #3

PORTS triggering

It is possible to start scenes using the input ports (contact closure). To activate a port, a brief contact must be established between the ports (1...8) and the ground (GND). This is a contact closure so there is no need to hold the connection, it acts like a basic switch.



INTERNAL MENU (hardware configuration)



Press and hold the ON/OFF button for 3 seconds to get into the settings menu. Here are the available parameters:

- Mode (M) : allows to enable/disable speed/dimmer/...buttons
- Arrows (A) : allows to change the function of < and > arrows
- Palet (P) : allows to enable/disable the palet functions (speed/dimmer/color)
- Scene (S) : allows to change various settings (fade time, pause/stop...)
- First Start (F) : allows to setup what to do at startup (play a scene, blackout, etc...)
- Trigger (T) : allows to enable/disable triggers (RS232, IR, ports...)
- Ethernet (E) : allows to setup Ethernet parameters (IP address...)
- Date/Time (T) : allows to change date and time of the device
- Graphics (G) : allows to change the display settings (sleep mode, brightness...)
- DMX output (X) : allows to change the DMX signal parameters (speed...)
- Diagnostic : shows the date/time, firmware version...
- Reset : allows to reset the unit to factory settings

The < and > arrows allows you to move the cursor in the menu or change a value, the ZONE+ buttons allows you to edit/validate a value or enter a submenu, the ZONE- button allows you to return to the previous menu/submenu (read the hardware manual for a complete description).

SOFTWARE and LINKS

ARCOLIS software (Touch Lighting Editor app for iPhone/iPad, Android)
 DMX Lightpad 3 (Remote application for iPhone/iPad, Android, Windows)
 =>download your application from Google Play, Apple App Store or Windows Mobile website

ESA, ESAPRO software (Windows)
 ESA2 software (Windows, Mac)
 ESA, ESAPRO manuals

www.nicolaudie.com (-> Support -> Downloads)
www.nicolaudie.com (-> Support -> Downloads)
www.nicolaudie.com/manuals.php

Driver, Firmware, Tools

www.nicolaudie.com/hardware.php