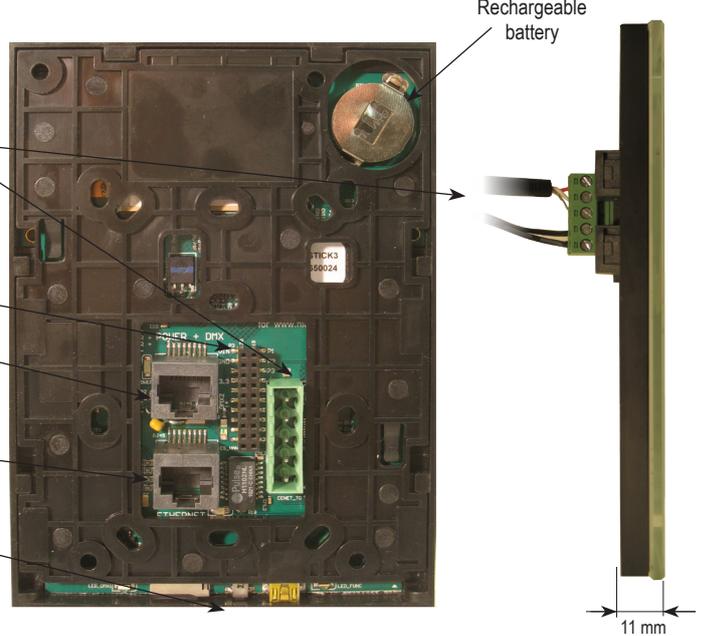


- Touch-sensitive user interface
- Screw-terminal rear connector (5 pins)
- Extension socket rear connectors (2x10 pins)
- Power+DMX socket (RJ45)
- Ethernet socket (RJ45)
- Front access connections



- data led
- mini usb
- reset button
- micro SD
- dmx led

|                         |   |
|-------------------------|---|
| <b>Package</b>          | Interface, sdcart, datasheet, cdrom, usb cable  |
| <b>Software</b>         | DVC3 on PC/Windows                              |
| <b>Mobile Apps</b>      | DMX Lightpad 3 + ARCOLIS on iPhone/iPad/Android |
| <b>Available colors</b> | Black frame, various front panel design         |
| <b>Options</b>          | See the OPTIONS table                           |
| <b>Standards</b>        | EC, EMC, ROHS, ETL, UL (some are in process)    |
| <b>Temperature</b>      | -10°C to 45°C                                   |
| <b>Dimensions</b>       | 146x106x11 mm    Complete package 177x146x48 mm |
| <b>Weight</b>           | 247 g 8.71 oz    Complete package 492 g 17.4 oz |

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

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

# EASY INSTALLATION

## 1. Mount an electrical box inside the wall

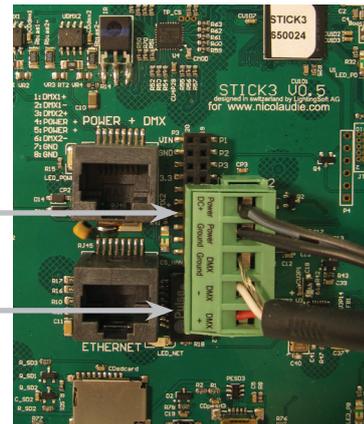
The S.T.I.C.K. controller can be installed in any standard electrical backbox. If you use a double size box, you can insert the power supply inside.



## 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+)

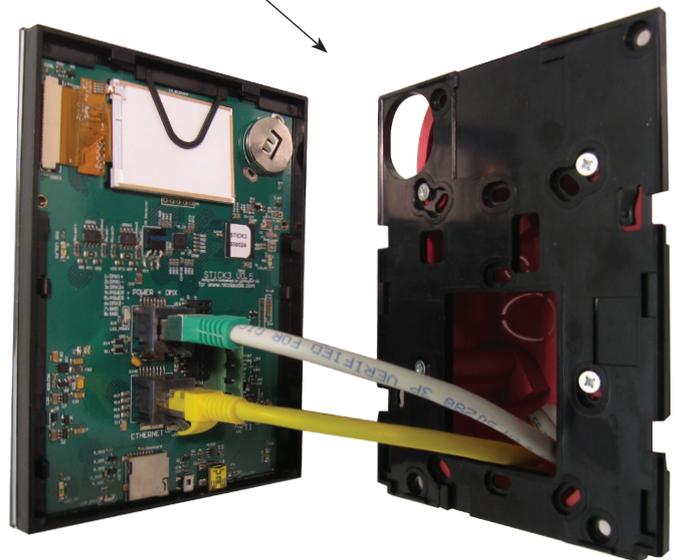


## 3. Mount the interface on the wall

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

Secondly, plug the connectors :

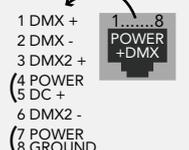
- Ethernet cable
- DMX and power (connector block or RJ45)



**POWER+DMX**  
WITH THE  
CONNECTOR BLOCK



**POWER+DMX**  
WITH THE  
RJ45 CABLE

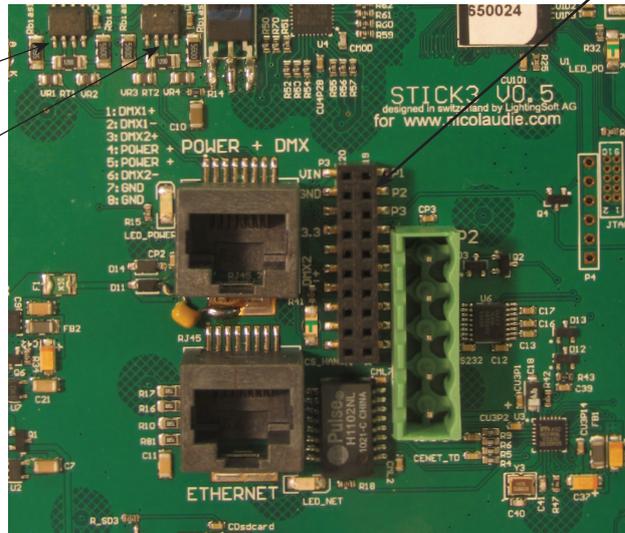


## 2x10 pins EXTENSION connector

DMX CHIPS can be replaced here

DMX universe #1  
DMX universe #2

Ref: SP485ECN-L  
MAX485 CSA

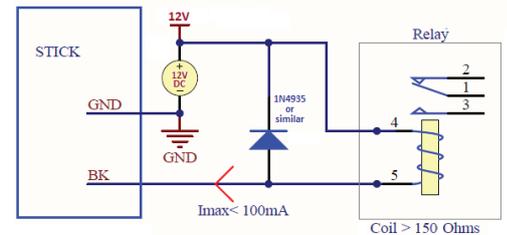


|         |    |    |          |
|---------|----|----|----------|
| VIN     | 20 | 19 | PORT1    |
| GND     | 18 | 17 | PORT2    |
| IR_RX   | 16 | 15 | PORT3    |
| 3.3V    | 14 | 13 | PORT4    |
| Relay   | 12 | 11 | PORT5    |
| DMX2+   | 10 | 9  | PORT6    |
| DMX2-   | 8  | 7  | PORT7    |
| DMX1+   | 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)

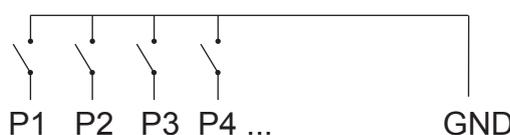
Set the RS232 parameters to : 9600bds 8 bits, no Parity, 2 Stop bits

- 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)

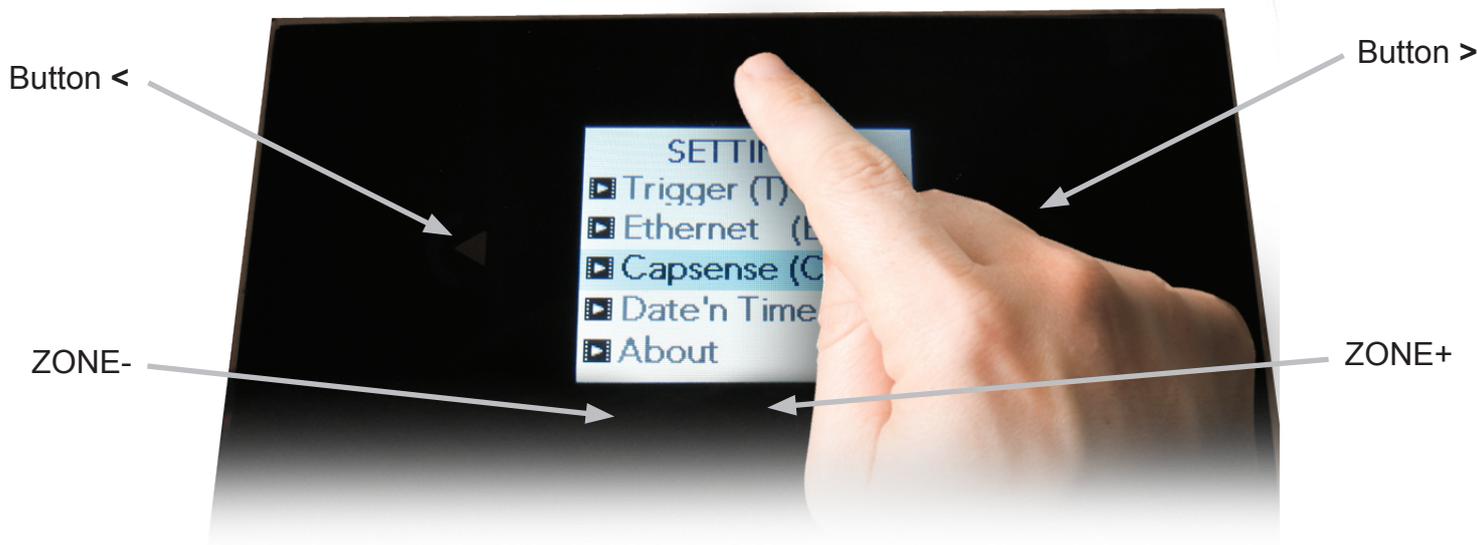
Note: the scene number (x) can be from 1 to 40. For instance, 11 means Page B Scene #3

## 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

DVC 3 (Windows) [www.daslight.com](http://www.daslight.com) (-> Support -> Downloads)

Driver, Firmware, Tools [www.daslight.com/dpadgold.htm](http://www.daslight.com/dpadgold.htm)