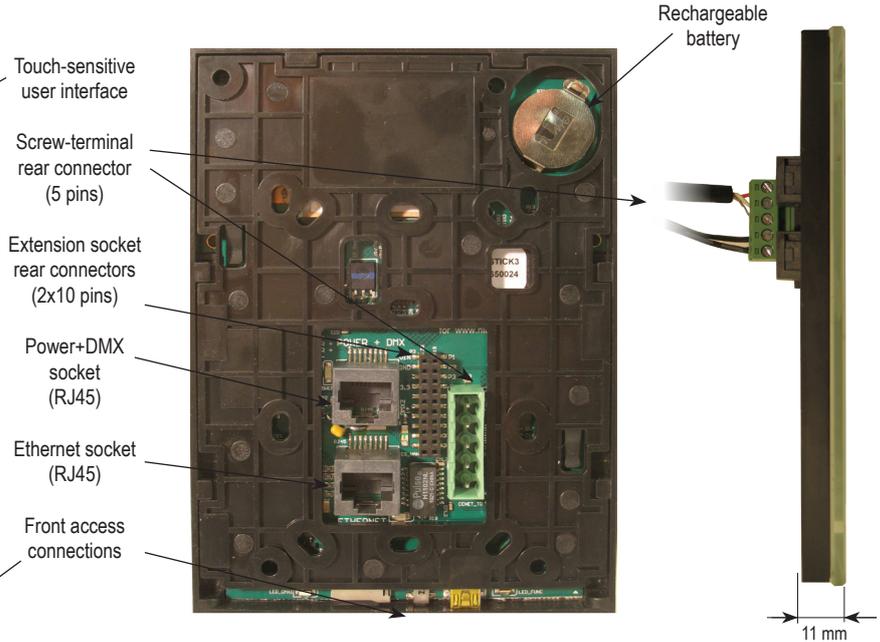


data led mini usb reset button micro SD dmx led



<b>Package</b>	Interface, sdcart, datasheet, cdrom, usb cable
<b>Software</b>	ESA + ESA PRO on PC/Windows, ESA2 on PC + MAC
<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>Infra-red receiver</b>	Easy learning triggering from any 36Khz remote control	•					

<b>OPTIONS / ACCESSORIES</b>	
<b>IR-REMOTE</b>	Dedicated remote control
<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 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+)

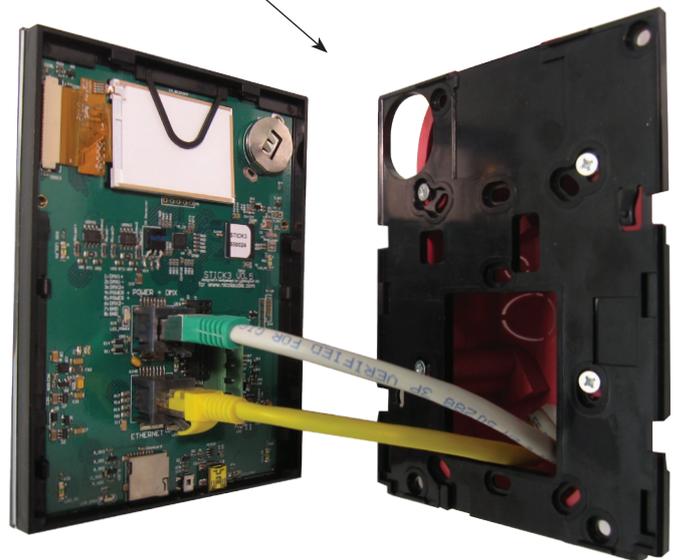
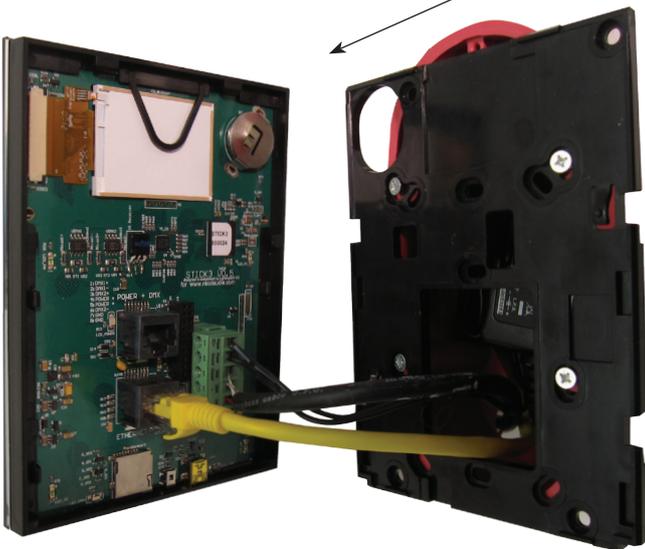


### 3. Mount the interface on the wall

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

Secondly, plug the connectors :

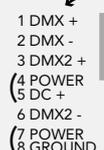
- Ethernet cable
- DMX and power (connector block or RJ45)



**POWER+DMX**  
WITH THE  
CONNECTOR BLOCK



**POWER+DMX**  
WITH THE  
RJ45 CABLE

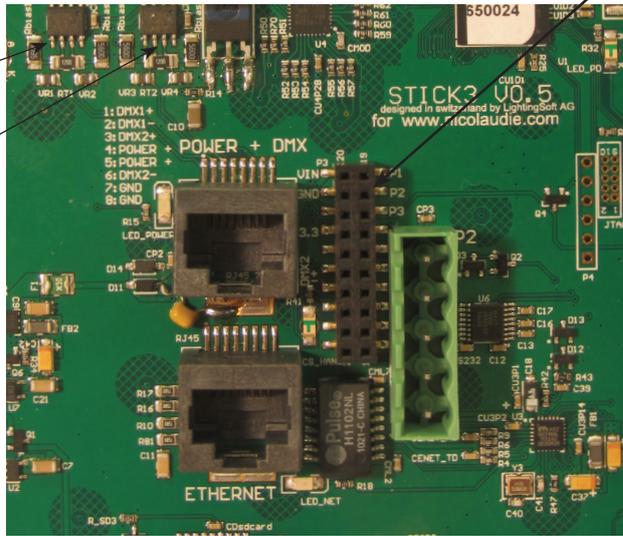


## 2x10 pins EXTENSION connector

DMX CHIPS can be replaced here

DMX universe #1  
DMX universe #2

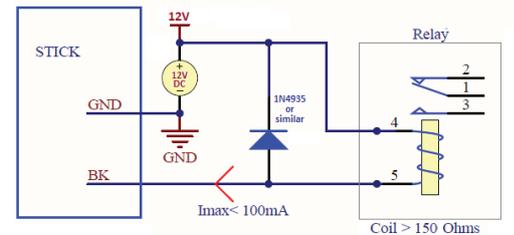
Ref: SP485ECN-L  
MAX485 CSA



P3		
RS232 TX	1	2 GND_DMX
RS232 RX	3	4 DMX1-
PORT7	5	6 DMX1+
PORT6	7	8 DMX2-
PORT5	9	10 DMX2+
PORT4	11	12 Relay
PORT3	13	14 3.3V
PORT2	15	16 IR_RX
PORT1	17	18 GND
PORT0	19	20 VIN

**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)

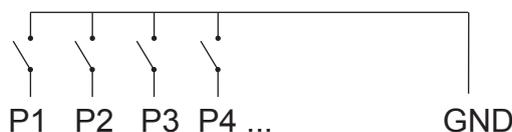
Set the RS232 parameters to : 9600bds 8 bits, no Parity, 2 Stop bits

- 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
- 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 (iPhone/iPad)	<a href="http://itunes.apple.com/en/app/arcolis/id495161115?mt=8">http://itunes.apple.com/en/app/arcolis/id495161115?mt=8</a>
ARCOLIS software (Android)	<a href="https://play.google.com/store/search?q=arcolis">https://play.google.com/store/search?q=arcolis</a>
ESA, ESAPRO software (Windows)	<a href="http://www.nicolaudie.com">www.nicolaudie.com</a> (-> Support -> Downloads)
ESA2 software (Windows, Mac)	<a href="http://www.nicolaudie.com">www.nicolaudie.com</a> (-> Support -> Downloads)
ESA, ESAPRO manuals	<a href="http://www.nicolaudie.com/manuals.php">www.nicolaudie.com/manuals.php</a>
DMX Lightpad 3	<a href="http://www.nicolaudie.com/en/stick-de3.htm">www.nicolaudie.com/en/stick-de3.htm</a>
<i>Remote application for iPhone/iPad, Android, Windows</i>	
Driver, Firmware, Tools	<a href="http://www.nicolaudie.com/hardware.php">www.nicolaudie.com/hardware.php</a>