

<b>Package</b>	Interface, sdcard, datasheet, cdrom, usb cable
<b>Software</b>	ESA + ESA PRO on PC/Windows, ESA2 on PC + MAC
<b>Application</b>	ARCOLIS + STICK REMOTE on iPhone/iPad/Android
<b>Available colors</b>	Frame (black or white), use the Stick Design Configurator web site
<b>Options</b>	Dedicated remote control (*), Power supply (*)
<b>Standards</b>	EC, EMC, ROHS, ETL, UL (some are in process)
<b>Image size</b>	Standard 150x110mm picture, contact us for a sample profile
<b>Temperature</b>	-10°C to 50°C
<b>Dimensions</b>	168x128x11,5 mm Complete package 250x150x55 mm
<b>Weight</b>	0,2 kg 0.44 lbs Complete package 0,6 kg 1.32 lbs

<b>SPECIFICATIONS / CONNECTIONS</b>		Built-in features	screw-terminal rear connector (9 pins)	extension socket rear connectors (2x10 pins)	front access connections (open cover)
<b>Power Supply</b>	6V DC 0.65A, supplied		•		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 2.0 communication for PC/software				•
<b>Ethernet</b>	Advanced networking features	•			
<b>Ports 1,2,3,4</b>	4 Contact closure inputs, connect to ground for operating		•	•	
<b>Ports 5,6,7,8</b>	4 Contact closure inputs, connect to ground for operating			•	
<b>User interface</b>	14 buttons, 1 fader, 28 leds (Touch-sensitive keypad)	•			power/data leds
<b>SDCARD</b>	Micro sd card for stand alone memory use (supplied)				•
<b>RESET</b>	Push button for reset operation				•
<b>RS232</b>	RS232 Serial communication for external synchronisation			•	
<b>Output relay</b>	Automatic Stand by 5V signal			•	
<b>Clock</b>	Real time clock and calendar, 10 minutes saving without power	•			
<b>Infrared receiver</b>	Easy learning triggering from any 36Khz remote control	•			

# EASY INSTALLATION

**PORT 1,2,3,4 :** If your application need to have some external contact closures, make the contacts between the ground and the ports

## 1. Mount an electrical box inside the wall

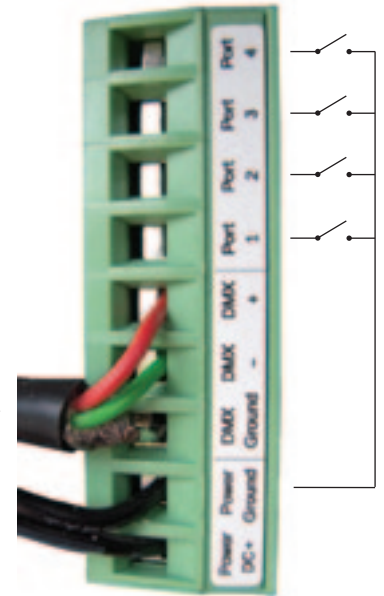
The S.T.I.C.K. controller can be installed in any standard electrical backbox. If you use a double size box, you can insert the power supply inside.



## 2. Connect the wires

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

**POWER:** Connect a 6V DC 0.65A. Be sure to not invert the + and the ground.

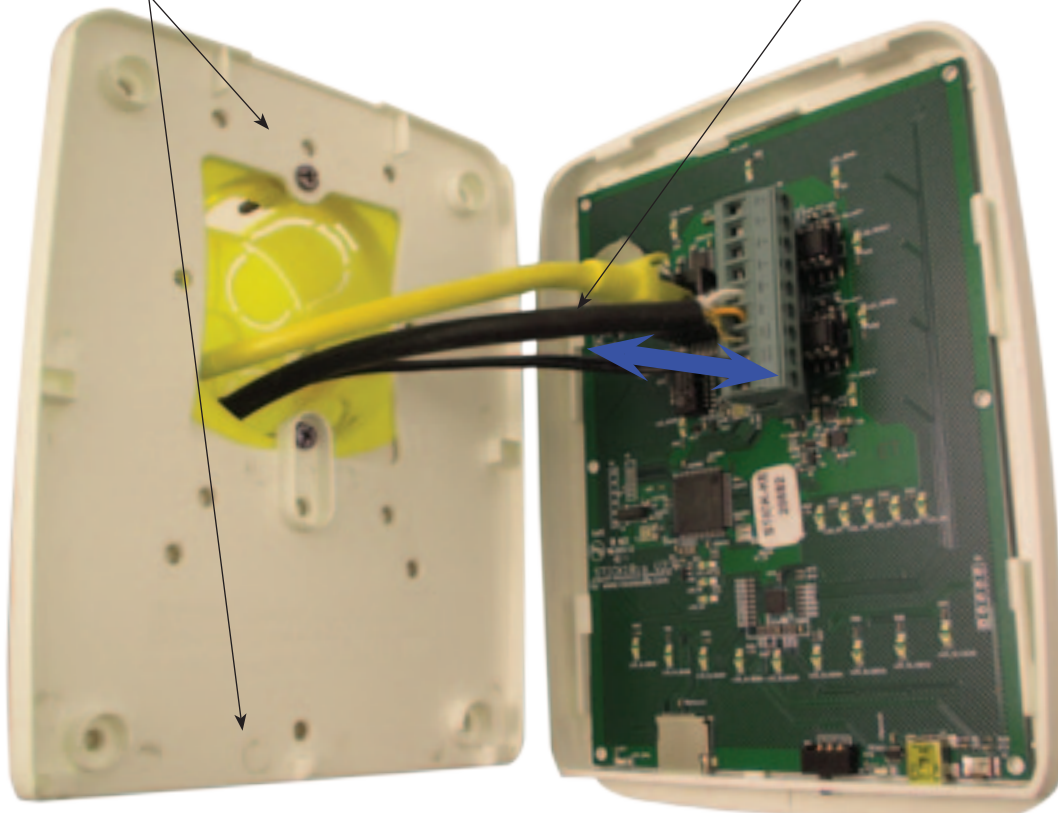


## 3. Mount the interface on the wall

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

Secondly, plug the 2 connectors (see blue arrow)

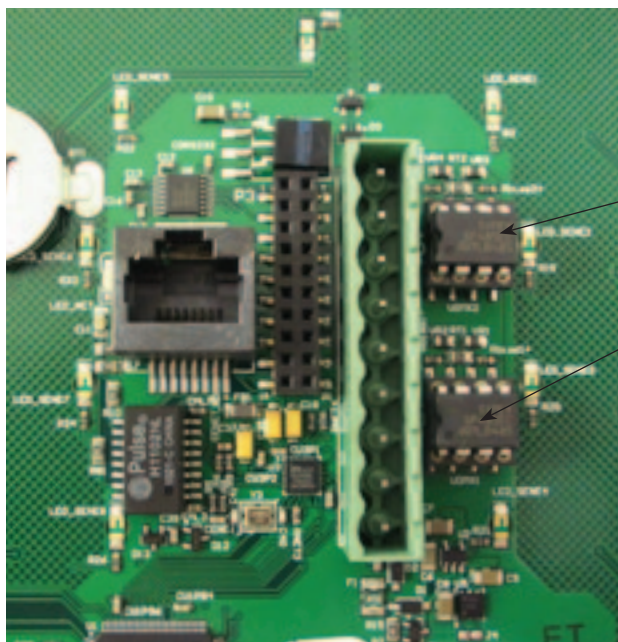
Then, close the interface, using one screw





<b>Sunlite Touch-sensitive Intelligent Control Keypad</b>	<b>Ref. STICK-KE1</b>	<b>Page 3/4</b>
<b>Technical datasheet</b>	Revision date 2 May 2013	www.nicolaudie.com
		Version 1.2

## 2x10 pins EXTENSION connector



You can easily replace DMX CHIPS

DMX universe #2

DMX universe #1

Ref:  
SP485ECP-L  
MAX485CPA+

**PORTS 1 to 8** make contacts between G (GND) and P1..P8

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

## 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

## SOFTWARE and LINKS

ARCOLIS software (iPhone/iPad)  
ARCOLIS software (Android)

<http://itunes.apple.com/en/app/arcolis/id495161115?mt=8>  
<https://play.google.com/store/search?q=arcolis>

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

[www.nicolaudie.com](http://www.nicolaudie.com) (-> Support -> Downloads)  
[www.nicolaudie.com](http://www.nicolaudie.com) (-> Support -> Downloads)  
[www.nicolaudie.com/manuals.php](http://www.nicolaudie.com/manuals.php)

STICK REMOTE  
*Remote application for iPhone/iPad, Android, Windows*

[www.lightingsoft.com](http://www.lightingsoft.com)


Driver, Firmware, Tools  
STICK Forum  
STICK design configurator

[www.nicolaudie.com/hardware.php](http://www.nicolaudie.com/hardware.php)  
[www.nicolaudie.com/forum\\_support](http://www.nicolaudie.com/forum_support)  
[www.nicolaudie.com/stick\\_config](http://www.nicolaudie.com/stick_config)



Some functions are available directly from the STICK keypad using the SELECT button.



<b>SELECT + 1</b>	View time	Example : view 2:45pm = 14:45 = <b>1445</b> <b>1445</b> = 2:45pm (USA) or 14:45 (Europe)
<b>SELECT + 2</b>	View date	Example : view 6 SEP. 2009 date = <b>060909</b> <b>060909</b> = September 6th 2009
<b>SELECT + 3</b>	Set time	Example : set 3:30pm = 15:30 = <b>1530</b> <b>1 5 3 0</b> = <b>1530</b>
<b>SELECT + 4</b>	Set date	Example : set 5 DEC 2008 date = <b>051208</b> <b>0 5 1 2 0 8</b> = <b>051208</b>
<b>SELECT + 5</b>	Set Fade time	Example : set 01'32" fade time = 1 minute and 32 seconds = <b>0132</b> <b>0 1 3 2</b> = <b>0132</b>
<b>SELECT + 9</b>	Set IR	Example : assign an IR key to Scene #2 <b>2</b> + 
<b>SELECT + 0</b>	Firmware version	Example : view 1.02 firmware version = <b>0102</b> <b>0102</b> = firmware version <b>1.02</b>