

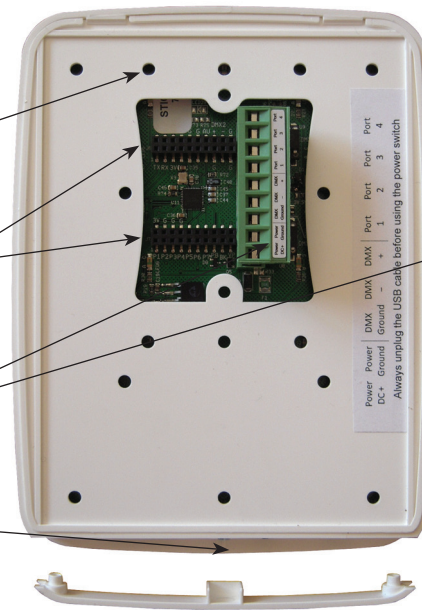
Touch-sensitive user interface

Compatible with any electrical gang box

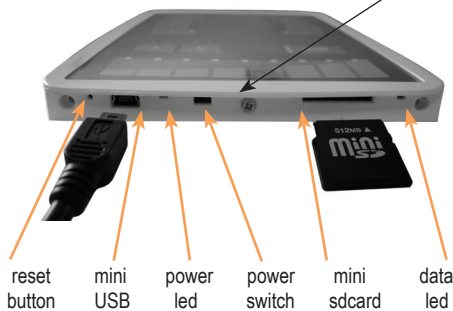
Extension socket rear connectors (2x20 pins)

Screw-terminal rear connector (9 pins)

Front access connections (open cover)



11,5 mm


Always unplug the USB cable before using the power switch

Package	Interface, sdcard, manual, cdrom, usb cable, power supply
PC requirement	Windows XP/VISTA/SEVEN 32/64 bits and USB 2.0
Software	Included : ESA (easy stand alone), ESA PRO and STICK TOOLS
Available colors	Frame (black or white), use the Stick Design Configurator web site
Options	Dedicated remote control (*), COM+ add-on (*)
Standards	EC, EMC, ROHS, ETL, UL (some are in process)
Image size	Standard 150x110mm picture, contact us for a sample profile
Temperature	-10°C to 50°C
Dimensions	168x128x11,5 mm Complete package 250x150x55 mm
Weight	0,2 kg 0.44 lbs Complete package 0,6 kg 1.32 lbs

SPECIFICATIONS / CONNECTIONS		Built-in features	screw-terminal rear connector (9 pins)	extension socket rear connectors (2x20 pins)	front access connections (open cover)
Power Supply	9V DC 0.65A, supplied		•		power switch
DMX Output #1	First universe, 512 channels DMX512 output		•	•	
DMX Output #2	Second universe, 512 channels DMX512 output (*)			•	
USB	USB 2.0 communication for PC/software				•
Ethernet	Advanced networking features (*)			•	
Ports 1,2,3,4	4 Contact closure inputs, connect to ground for operating		•	•	
Ports 5,6,7,8	4 Contact closure inputs, connect to ground for operating			•	
User interface	14 buttons, 1 fader, 28 leds (Touch-sensitive keypad)	•			power/data leds
SDCARD	Mini sd card for stand alone memory use (supplied)				•
RESET	Push button for reset operation				•
RS232	RS232 Serial communication for external synchronisation			•	
Output relay	Automatic Stand by 5V signal			•	
Clock	Real time clock and calendar (battery saving) (**)	•			
Infrared receiver	Easy learning triggering from any 36Khz remote control	•			
Microphone	Built-in microphone for sound to light effect (*)	•			
Audio input	Audio input for sound to light effect (*)			•	

(*) Requires a second generation product (s/n > 1500) (**) 10 minutes saving for products with s/n < 3000

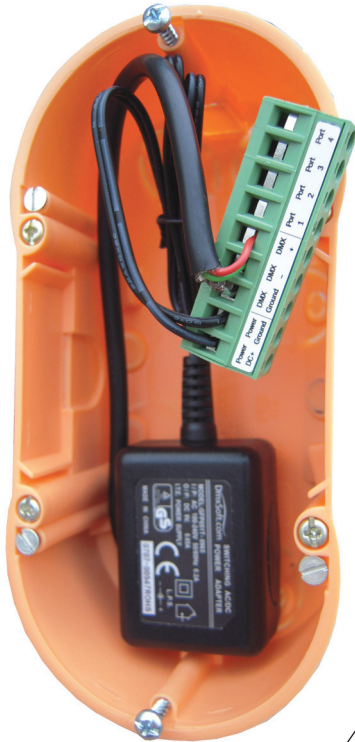


EASY INSTALLATION

PORT 1,2,3,4 : If your application needs to have some external contact closures, establish the connections between the ground and the ports

1. Mount an electrical box inside the wall

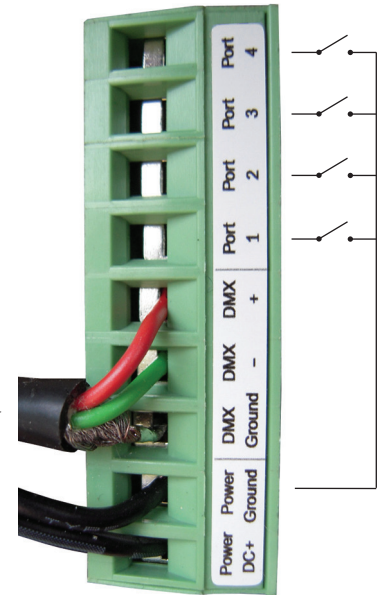
The S.T.I.C.K. controller can be installed in any standard electrical gang box. If you use a double size box, you can insert the power supply inside.



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 9V DC 0.65A. Make sure to not invert the + and the ground.

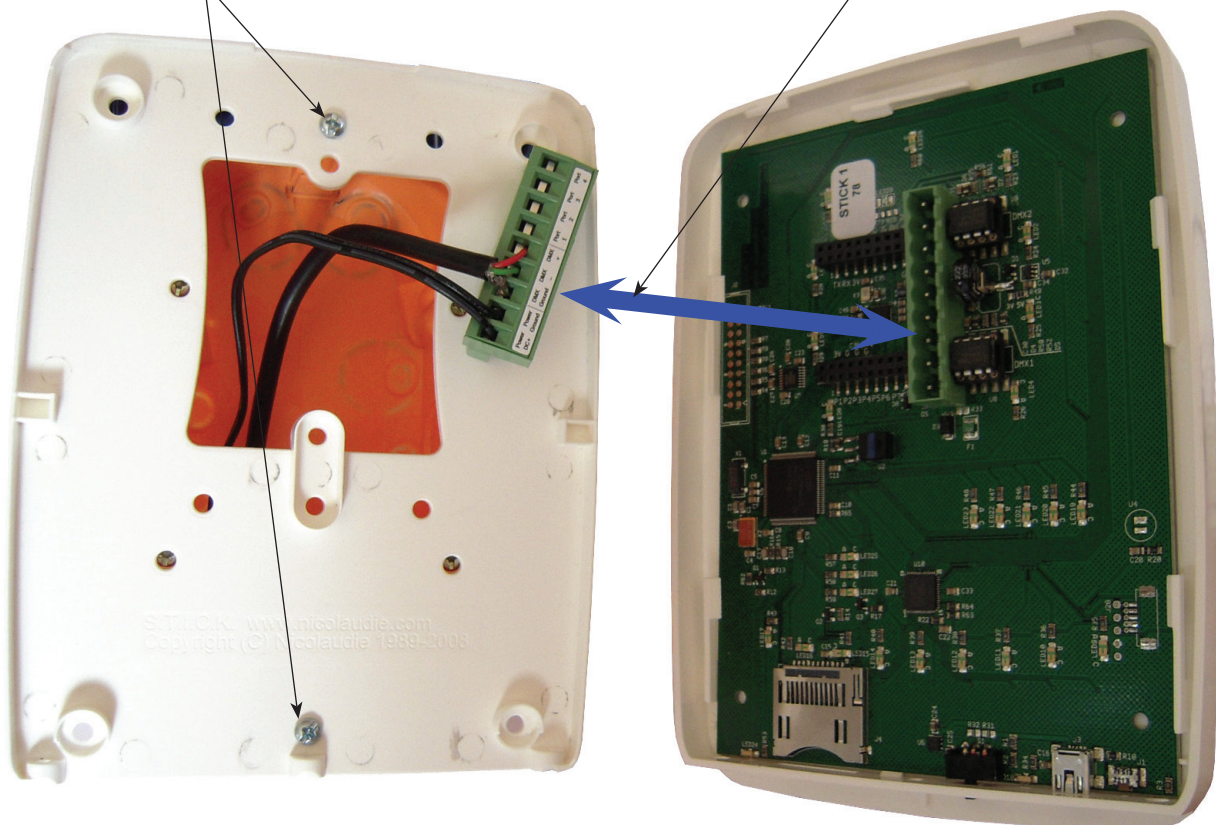


3. Mount the interface on the wall

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





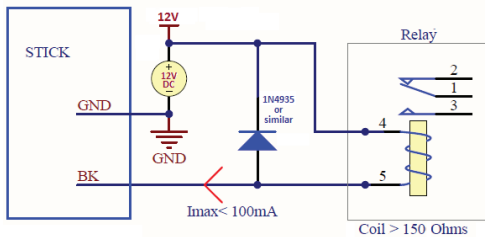
EXTENSION connectors

2x20 pins connections

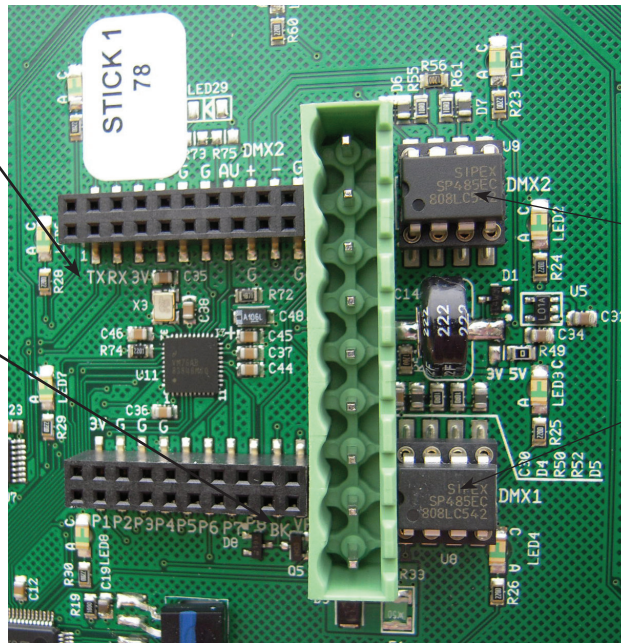
RS232 make a 3 pins cable
Use TX, RX and G (GND)

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

BLACKOUT connect a relay
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>



You can easily
replace the DMX
CHIPS

DMX
universe #2

DMX
universe #1

Ref:
SP485ECP-L
MAX485CPA+
ADM485JNZ

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

TOOLS program

Use the TOOLS program to update the firmware, test the DMX signal, change the starting parameters, change the time settings, setup the ethernet and IR functions...

ETHERNET triggering

See the dedicated documentation.

TROUBLESHOOTING

- If the on/off and all 8 buttons LED are flickering, the sdcard is missing or damaged
- If all 8 buttons LED are flickering, the sdcard is empty
- If all LED are flickering, there is a problem with the firmware

SOFTWARE and LINKS

ESA, ESAPRO software
ESA, ESAPRO manuals
Driver, Firmware, Tools
STICK Forum
STICK design configurator

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



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



WARNING

= 3:30pm
 3:30pm = 15:30
 15:30 = **1530**

= 5 DEC 2008
 5 DEC 2008 = **051208**

	View time	Example : view 2:45pm = 14:45 = 1445 1445 = 2:45pm (USA) or 14:45 (Europe)
	View date	Example : view 6 SEP. 2009 date = 060909 060909 = September 6th 2009
	Set time	Example : set 3:30pm = 15:30 = 1530 = 1530
	Set date	Example : set 5 DEC 2008 date = 051230 = 051208
	Set Fade time	Example : set 01'32" fade time = 1 minute and 32 seconds = 0132 = 0132
	Lock function	This function locks the keypad (disabled by default) Use the TOOLS program to enable it and set the 4-digit code
	Audio function	This function turns the audio mode ON (disabled by default) Press SELECT+7 again to release the function
	Set IR	Example : assign an IR key to Scene #2
	Firmware version	Example : view 1.02 firmware version = 0102 0102 = firmware version 1.02