DMX EP-TOUCH-1
CONTROLLER

Product Introduction:

The EP-TOUCH-1 isa complete stand alone wall-mounted DMX controller is the perfect answer to interior lighting control expectations. Along with a state of the art design, the product comes with amazing features such as 1024 DMX channels, touch sensitive panel, clock/calendar, remote control, Ethernet facilities, and much much more....
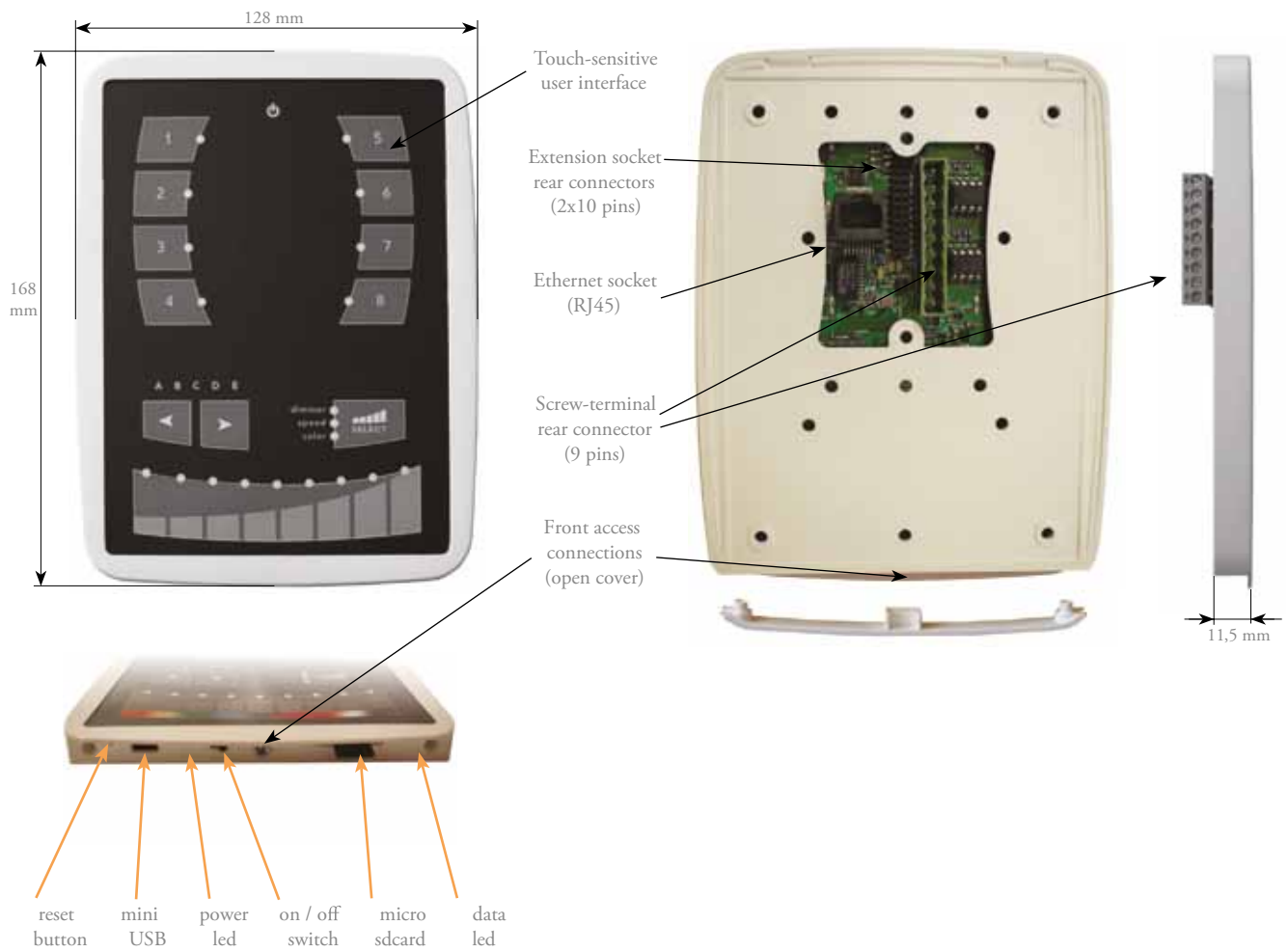
Performance Parameter

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

Specification

SPECIFICATIONS / CONNECTIONS		Built-in features	screw-terminal rear connector (9 pins)	extension socket rear connectors (2x10 pins)	front access connections (open cover)
Power Supply9	V DC 0.65A, supplied•				USB
DMX Output #1F	irst universe, 512 channels DMX512 output		••		
DMX Output #2S	econd universe, 512 channels DMX512 output (*)			•	
USBU	SB 2.0 communication for PC/software				•
Ethernet	Advanced networking features	•			
Ports 1,2,3,44	Contact closure inputs, connect to ground for operating		••		
Ports 5,6,7,84	Contact closure inputs, connect to ground for operating			•	
User interface	14 buttons, 1 fader, 28 leds (Touch-sensitive keypad)•				power/data leds
SDCARD	Micro 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			•	
ClockR	eal time clock and calendar, 10 minutes saving without power	•			
Infrared receiver	Easy learning triggering from any 36Khz remote control•				

Dimensions

128 mm

168 mm

Touch-sensitive
user interface

Extension socket
rear connectors
(2x10 pins)

Ethernet socket
(RJ45)

Screw-terminal
rear connector
(9 pins)

Front access
connections
(open cover)

11,5 mm

reset
button

mini
USB

power
led

on / off
switch

micro
sdcard

data
led

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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 EP-TOUCH-1 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 9V 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

2x10 pins EXTENSION connector

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

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
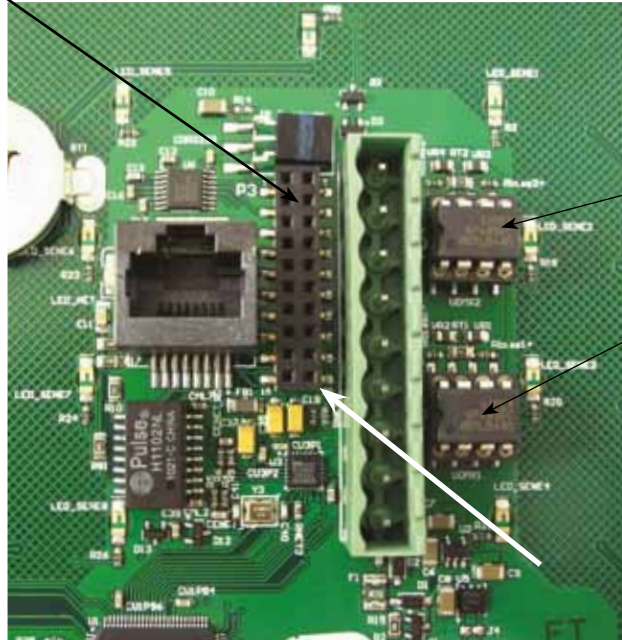
You can easily replace DMX CHIPS

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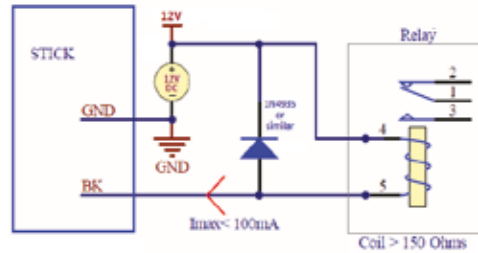
Example of relay : FINDER
Ref. 22.23.9.012.4000
http://www.findernet.com/fr/products/
profiles.php?serie=22&lang=en

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

SOFTWARE

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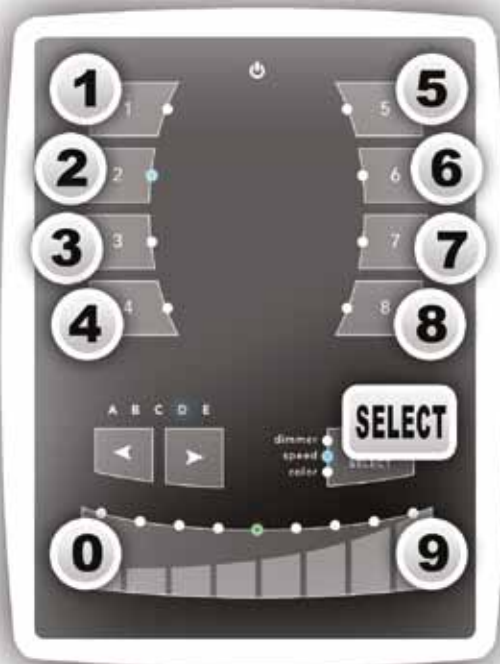ARCOLIS software (Android)

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

EP-TOUCH REMOTE
Remote application for iPhone/iPad, Android, Windows

Driver, Firmware, Tools

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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**

Button	Function	Example
SELECT + 1	View time	Example : view 2:45pm = 14:45 = 1445 **1445** = 2:45pm (USA) or 14:45 (Europe)
SELECT + 2	View date	Example : view 6 SEP. 2009 date = 060909 **060909** = September 6th 2009
SELECT + 3	Set time	Example : set 3:30pm = 15:30 = 1530 1 5 3 0 = **1530**
SELECT + 4	Set date	Example : set 5 DEC 2008 date = 051230 0 5 1 2 0 8 = **051208**
SELECT + 5	Set Fade time	Example : set 01'32" fade time = 1 minute and 32 seconds = 0132 0 1 3 2 = **0132**
SELECT + 6	Lock function	🔒 This function locks the keypad (disabled by default) Use the TOOLS program to enable it and set the 4-digit code
SELECT + 9	Set IR	Example : assign an IR key to Scene #2 2 + [remote]
SELECT + 0	Firmware version	Example : view 1.02 firmware version = 0102 **0102** = firmware version 1.02
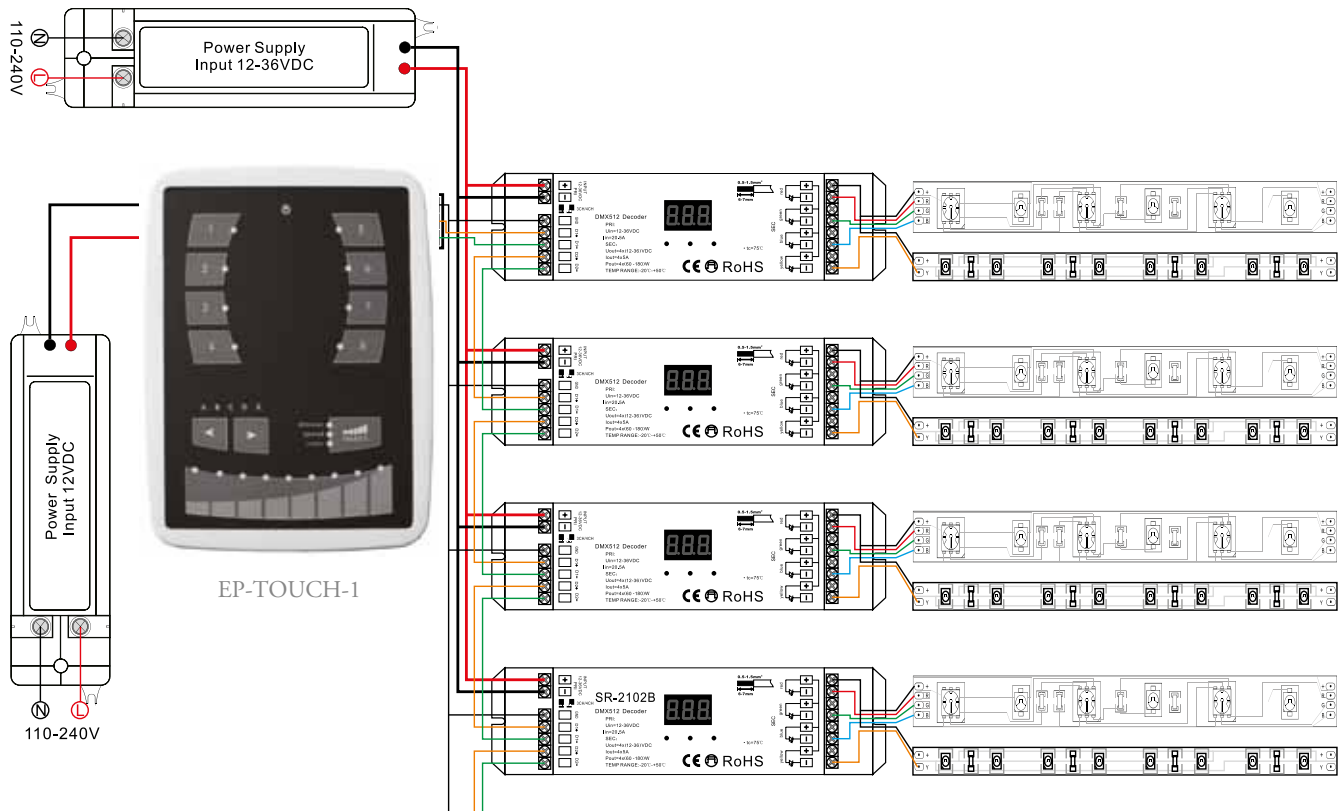
NETWORK SYNCHRONIZATION

EP-TOUCH-1

Power Supply
Input 12-36VDC

110-240V

Power Supply
Input 12VDC

110-240V

DMX512 Decoder

SR-2102B
DMX512 Decoder

Ethernet / HUB / ROUTER

RJ45 or WIFI

RJ45 cables

EP-TOUCH-1

DECODER

To access Ethernet
network features, you
need a EP-TOUCH-1 or a
EP-TOUCH-3 .

POWER + DMX

ETHER NET