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1 ZONE DMX WALL CONTROLLER

The **GEN**LED Acolyte® 1 Zone DMX Wall Controller creates lighting scenes and moods from a sleek touch-sensitive display. Program and save unique transitions, rolls and fades with ease. Choose between full spectrum color or variable color temperature control. Universal protocol DMX controllers can control any lighting fixture that supports DMX protocol.

- 1 Zone
- 5 15V DC input
- Manage 2 Universes of 512 DMX Channels
- Change color, brightness, saturation, speed & more
- Touch Capacitive
- Programmable with ESA2 PC/Mac software
- Up to 36 preset scenes via 6 buttons
- 1 USB port and 8 contact ports
- Built-in flash memory
- Operating Temperature: -10° C 45° C
- Available in Black finish

Applications:

Commercial Entertainment Healthcare Hospitality Residential Museums Retail Public Spaces



DIMENSIONS

FC



Width: 4.17 in (106 mm) Length: 5.75 in (146 mm) Depth: 0.39 in (10 mm)

ORDERING GUIDE

STANDARD Category DMXCTRLG DMXCTRLG - 1 Zone DMX Wall Controller





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SPECIFICATIONS / COMPONENTS / FEATURES

COMPONENTS

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Standby Scene Selection Reset Color Dimmer Saturation

TECHNICAL DATA				
Input Power	5-15V DC 0.6A			
Output Protocol	DMX512 (x2)			
Programmability	PC, Mac			
Available Colors	Black			
Connections	USB, 8 dry contact ports, open drain ouput (for relay)			
Memory	In-built flash			
Temperature	14° - 113° F (-10° - 45° C)			
Battery	LIR1220			
Mounting	Single or double-gang wall socket			
Dimensions	5.75 x 4.17 x 0.39 in. (146 x 106 x 10 mm)			
Weight	0.44 lb (200 g)			
Standards	EC, EMC, ROHS			

KEY FEATURES	
DMX stand alone controller	Up to 36 dynamic or static scenes
Compatible with any DMX fixture or DMX LED driver	1024 DMX channels. Control 340 RGB fixtures
Ready-to-use (pre-loaded with 8 scenes and 170 RGB fixtures)	Clock and calender with Sunrise/Sunset triggering
Sleek, black glass design which sits 11mm from the wall	WiFi network communications. Control lighting remotely
Color palette (can also be used for scene selection)	USB connectivity for programming and control
12 touch-sensitive buttons. No mechanical parts	8 dry contact trigger ports
Touch-sensitive wheel allows for accurate color selection	OEM customization of the color palette and logo
Built-in flash memory for storing programs	Windows/Mac software to set dynamic colors/effects

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SETTING UP THE CONTROLLER

PROGRAMMING THE CONTROLLER

The DMX controller can be programmed from a PC or Mac using the software available on our website. Refer to the corresponding software manual for more information which is also available on our website. The firmware can be updated using the Hardware Manager which is included with the programming software.

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ESA2 Software (Windows/Mac) -	Single Zone	http://www.nicolaudie.com/esa2.htm	
Network Control		 The controller can be connected directly from a computer/smartphone/tablet (Access Point Mode), or can be connected to an existing local network (Station Mode). The controller is set to work in Access Point (AP) Mode by default. In AP Mode, the default network name is Smart DMX Interface XXXXXX where X is the serial number. The default password is 00000000 (8 zeros). To connect using Station Mode, use HardwareManager to set the WiFi settings to Station or Dual mode. Then connect your controller to your network by selecting your WiFi router from the Network List. The controller is set, by default, to get an IP address from the router via DHCP. If the network is not working with DHCP, a manual IP address and subnet mask can be set on allow port 2430. 	
iPhone/iPad/Android Control		Easy Remote Pro (for iPad/iPhone. Android coming soon): Create an entirely customized remote control interface for your tablet or smartphone. Easy Remote Pro is a powerful and intuitive app, allowing you to add buttons, faders, color wheels and more. Connect to a Wi-Fi network and the app will find all compatible devices on the local network. Available for iOS & Android. Lightpad: Designed to work seamlessly with the controller, Lightpad provides an easy way to control your lights over a local Wi-Fi network. Connect and you will see a representation of your controller on the screen. Use the on-screen controls as you would do for the controller in real life.	
TROUBLESHOOTING			
All 7 LED's on the controller are blinking	The controller • Check that • Try re-writin	[,] is in bootloader mode; this a special 'startup mode' which is run before the main firmware loads. there is nothing metallic touching the back of the controller ng the firmware with the latest Hardware Manager	
Contact us if you see the following errors	Center LED R Center LED G Center LED B	ed, cycling pattern on 6 LEDs - Error1 reen, cycling pattern on 6 LEDs - Error2 lue, cycling pattern on 6 LEDs - Error3	
The controller is not detected by the computer	 Be sure that the latest software version is installed Connect by USB and open the Hardware Manager (found in the software directory). If it's detected here, try updating the firmware Try another USB cable, port, and computer Bootloader Mode: Sometimes the firmware update may fail and the device may not be recognised by the computer. Starting the controller in 'Bootloader' mode forces to the controller to start at a lower level and, in some cases, allows the controller to be detected and the firmware to be written. To force a firmware update in Bootloader Mode: Power off your interface. Start HardwareManager on your computer. Press and hold the button on the back of the circuit board labelled BootLoader and connect the USB cable at the same time. If successful, your interface will appear in HardwareManager with the suffix _BL. Update your firmware. 		
The 6 scene LED's are blinking	No show file f • Download t • Update to t • Try re-writin	as been detected on the controller. he latest software he latest firmware using the included Hardware Manager ng the show file	
The lights are not responding	 Check the DMX +, - and GND are connected correctly Check that the driver or lighting fixture is in the DMX mode Be sure that the DMX address has been set correctly Check there are no more than 32 devices in the chain Check that the DMX LED is flickering to the right of the SD card Connect with the computer and open Hardware Manager (found in the software directory). Open the DMX Input/Output tab and move the faders. If your fixtures respond here, it is possibly a problem with the show file 		
Trouble connecting over a network	 Try disabling any firewalls on your computer (e.g. Windows Firewall) Update firmware using the latest Hardware Manager from our website Allow port 2430 on your network Check controller is connected to the same Wi-Fi network Close / kill all other dmx software / apps Check that you are not connecting to STICK through a VPN. VPNs are not compatible with our network discovery process 		
Calendar trigger problems	 If scenes are If the control If scenes statistication Sunset / Sur 	e not triggering or are doing so at the incorrect time, check the time stored on the controller using HardwareManager > Clock Iler forgets the time set, replace the battery (see pg2) Int triggering 1 hour early/late, check Clock > DST settings Inise triggers not matching the real world? Check the controller is set to the correct location. Default is Montpellier, France.	

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CONNECTIONS

STEP-BY-STEP

inside the wall

1. Mount an electrical box

2. Connect

the wires

3. Mount the

the wall

interface on

The controller can be installed in a standard electrical backbox. This box is usually 60 mm high and wide, except in Japan and America where it is 83.5 mm/3.29 inches high. You can insert the AC/DC adapter inside or outside the backbox.

POWER: Connect a 5-10V 0.6A ACDC supply. 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+)

IMPORTANT: If using DMX 3 conductor-shielded wire for data, this method must be used exclusively throughout. Alternatively, if using RJ45, then RJ45 must be used exclusively throughout. You cannot combine these two daisy-chaining methods.

First, mount the backside of the interface on the wall with 2 or more screws. Secondly, connect the DMX and power (connector block or RJ45).

Take note of the location of the Wi-Fi aerial and install front panel with care. The front panel is mounted by pressing it against the back plate and then sliding down. Two screws should then be attached underneath to hold the controller in place.

OTHER CONNECTIONS

* VIN (pin 20) is not protected and should not be used Compatible header 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)

A relay can be connected between the RELAY (pin 12) and GND sockets of the 20 pin extension socket. This is an open drain output that allows current to flow only when the controller is on.

It can be used to turn off other equipment such as lighting drivers to save power.

DRY CONTRACT PORT TRIGGERING

It is possible to start scenes using the dry contact input ports available on the HE10 extension socket. To activate a port, a brief contact of at least 1/25 second must be established between the ports (1...8) and a ground (GND) pin. Note: the scene will not be switched off when the switch is released.

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POWER + DMX WITH CONNECTOR BLOCK





POWER + DMX WITH RJ45 CABLE

1 DMX + 2 DMX -3 DMX2 + (4 POWER 5 DC + 6 DMX2 -(7 POWER 8 GROUND

Output DMX Universe #1 Only

Output DMX Universe #1 & #2

CHECK PIN CONFIGURATIONS, APPLYING POWER TO THE DMX INPUT WILL DAMAGE THE CONTROLLER MAKE SURE THE CONTROLLER IS MOUNTED FLAT WITHOUT OBSTRUCTIONS FROM BEHIND AS THIS CAN PUSH APART THE GLASS



DMX CHIPS To replace, solder the DMX

NC	1	2	GND_DMX
NC -	3	4	- DMX1-
PORT8 -	5	6	DMX1+
PORT7	7	8	
PORT6	9	10	DMX2+
PORT5 -	11	12	Relay
PORT4	13	14	
port3	15	16	- NC
PORT2	17	18	GND
PORT1	19	20	VIN*

chips to the 8 pin connectors.





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