



# Austin Led Consultants

DMX and Led power over ethernet

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## AL-DMX-Switch wall dimmer with DMX output



### Product Description - AL-DMX-Switch

This switch operates just like any standard residential light switch – however it uses DMX512 for communication with other devices. This DMX source in a standard residential style outline fits into any home, looks like any switch yet requires no licensed electrician for installation – the dimmer itself uses under 50 mw yet controls thousands of watts of lighting. Stand alone it operates as a single Universe for one DMX address. It has DMX in and DMX out for daisy chaining. One address is set by a dip switch in the range of 8,16,24 etc up to 64. The On/Off switch is like any normal switch. The slider can be used in either RGB mode or white DIM mode.

When used in an ATX-LED complete system, it can operate in N-Way mode and multiple AL-DMX-Switches can form a complete DMX Universe with up to 64 addresses. Multiple strings of switches are combined in a central controller.

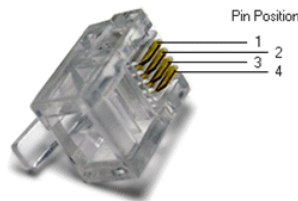
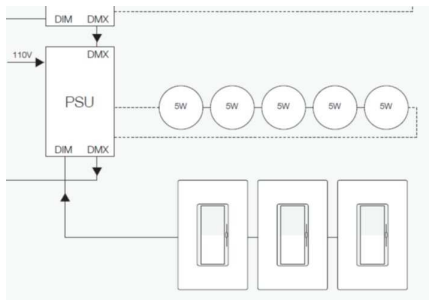
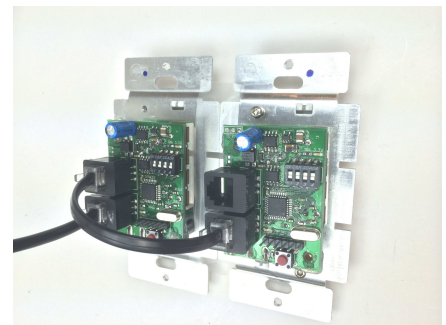
To save space – the connector used is a RJ-11 phone type connector with power and data on the same connector. Supply the switch with 12v to 56v and connect the data pins to your DMX device with a RJ11 to XLR jumper cable if needed. Use simple phone wire up to 1000 ft over standard CAT-3 2 pair telephone wire.

In an ATX-LED system the AL-DMX-Switch can be daisy chained with up to 8 on one telephone type wire connection. Each one has 16 addresses for controlling 16 LEDs on one or many AL-Driver. N-Way switching controls lights from opposite sides of a room, or long hallway, or across stairways on multiple floors with one switch per floor.

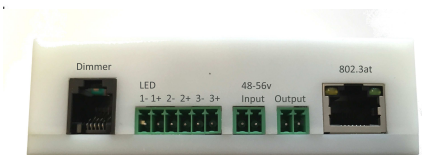
Fully scalable to a 512 light DMX universe, this building block in a 100% low voltage led lighting solution allows low cost installations of light in new and remodel construction.

### Specifications

Power and data source and load	RJ 11 female connectors ( 2 )
Power Protocol	Passive
Input voltage range	12v to 57 volts
Power pins in	1 and 4 from PL type LED driver
Data pins ( DMX512 over Rj11)	2 and 3
Max Power consumption	50 milliwatts
Addressing	16 unit addresses via dip switch
Protection	Reverse protection and static protection
Operating Temperature	0°C ~ 50°C
Size	115 x 46 x 50 mm



- Pin 4 Ground and XLR pin 1
- Pin 3 DMX XLR pin 3
- Pin 2 DMZ XLR pin 2
- Pin 1 +12v to + 48v



AL-Driver