

12 channel DMX to analog interface

models: DMX12ANL-5, DMX12ANL-TB
technical data sheet



The DMX12ANL-5 and DMX12ANL-TB series are 12 channel DMX512 to analog 0-10V interfaces. They are available with either 5 pin XLR connectors or pluggable terminal blocks for the DMX512 in and thru connections. The analog outputs for both versions appear on pluggable terminal blocks. These units can be used as portable devices, or they can be rack mounted using optional rack kit model RK8-1.

Each analog output is capable of sourcing or sinking up to 15mA. No user adjustments or modifications are needed to select sourcing or sinking modes. Each output channel has a dedicated common terminal to ease field wiring. The DMX512 input is optically isolated from the analog outputs. The analog

outputs are not isolated from each other. 0-12 volt output is available on special order. Output isolation diodes can be installed for theatrical dimming applications (ANSI E1.3 current sourcing).

Indicators are provided for POWER, SIGNAL (DMX512), and MIMIC 1. The latter mimics the level of the first analog output. These are useful diagnostic indicators to verify addressing and operation.

SPECIFICATIONS: All specifications meet or exceed DMX512 requirements.

Input circuit: Protected EIA-485 receiver (LT1785).

Input protection: Undamaged by up to 60 Volts continuous, 15KV transients.

Input signal: 0.2 volts minimum, 12 volts maximum, DMX512, DMX512/1990, or DMX512-A.

Isolation: DMX512 input is optically isolated to 600 Volts.

Input/thru connector: DMX12ANL-TB: 3 position pluggable terminal blocks.
DMX12ANL-5: 5 pin gold plated Neutrik male (input) and female (thru) XLR connectors.

Termination: None. Unused pass through connections must be externally terminated.

Power input: 120 VAC 60 Hz 0.5 Amps.

Output connectors: Two 12 position pluggable terminal blocks. Each terminal block has 6 outputs and 6 commons.

DMX footprint: Twelve consecutive DMX slots beginning with the selected DMX starting address.

DMX starting address: Three digit front panel thumbwheel switch. Address changes are immediate (no power cycling required).

Local control: Address switch setting of 601 turns on output 1, 602 turns on output 2, etc.
Switch setting of 697 turns on all outputs if any DMX level is above zero.
Switch setting of 698 turns on all outputs if DMX is present.
Switch setting of 699 turns on all outputs.

SPECIFICATIONS: (continued)

Status indicators:	Red POWER indicator. Green MIMIC 1 indicator mimics the level of output 1 (useful in troubleshooting). Green SIGNAL indicator illuminates when DMX512 is present; flashes when local control is active (address switch settings of 601 thru 624 and 697 thru 699).
Cooling:	Convection cooling, no fan required.
Color:	Top, bottom and sides: Silver hammer tone. Front and rear: black.
Size and weight:	6.5" deep x 1.7" high x 8.25" wide, 5 pounds. (19" rack adapter available).
Warranty:	Five years parts and labor. Interface must be returned to Doug Fleenor Design for warranty repair. Shipping to Doug Fleenor Design is to be paid by the customer. Return ground freight is paid by Doug Fleenor Design. Warranty covers manufacturing defects.

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