

DISTRIBUTION AND INTERFACE PRODUCTS FOR DMX512

Product Line and Price List — February, 2006

SPLITTERS are distribution products that provide many outputs from one input. These are used to distribute the DMX512 signal to multiple locations such as stage left, stage right, first electric, dimmer room, and orchestra pit. Portable, rack mount, and flanged wall mount units are available. Dash ? indicates connector type (-3 is 3 pin XLR, -5 is 5 pin XLR, -TB is terminal block). Mixed connectors are available at no additional charge.

Model	Name	Description	h w d (inches)	MSRP (US)
121-?	Isolation amplifier	Single output for isolation and boosting	1.7 x 6.5 x 6.5	\$ 421.30
121D-?	Dual universe iso amp	Two ins, two outs for 1024 dmx channels	1.7 x 6.5 x 6.5	563.20
121Q-?	Quad universe iso amp	Four ins, four outs for 2048 dmx channels	1.7 x 16.0 x 6.5	1,039.50
123-?	Three output splitter	One input, three output fully isolated splitter	1.7 x 6.5 x 6.5	563.20
125-?	Five output splitter	One input, five output fully isolated splitter	1.7 x 8.5 x 6.5	804.10
125EE-?	Five output enhanced	Souped up version of above	1.7 x 8.5 x 11.2	1,039.50
1211-?	Eleven output splitter	One input, eleven output fully isolated splitter	1.7 x 16.0 x 6.5	1,663.20
BID18	Bi-Directional Hub	Eight Port fully isolated DMX512 Hub	1.7 x 16.0 x 6.5	1,663.20
-WALL	Flanged wall enclosure	Add -WALL to part number for flanged encl.	8.5 x 10.5 x 2.0	N/C
-JBOX	NEMA type 1 J-box	Add -JBOX to part number for junction box	12.0 x 12.0 x 4	add'l 101.54

MERGERS (combiners) take DMX512 signals from multiple sources and merge them to a single output. For example, these units could be used to accept inputs from multiple control locations such as input jacks throughout a ball room. The most common combination algorithm is Highest Takes Precedence (HTP), where the output for each dmx channel is the highest level on any input for that channel. Other combination methods (priority mode for example) are also available. Five pin XLR connectors are standard on portable units. Terminal block connectors are standard on wall mount units. Alternate connectors are available on most products at no additional charge.

Model	Name	Description	h w d (inches)	MSRP (US)
221E	Two input merge unit	Fully isolated and protected two input merge	1.7 x 8.5 x 11.2	\$ 1,320.00
321E	Three input merge unit	Three input version of above	1.7 x 8.5 x 11.2	2,106.50
421E	Four input merge unit	Four input version of above	1.7 x 8.5 x 11.2	2,922.70
521E	Five input merge unit	Five input version of above	1.7 x 8.5 x 11.2	3,692.70
621E	Six input merge unit	Six input version of above	1.7 x 8.5 x 11.2	4,431.90
-WALL	Flanged wall enclosure	Add -WALL to "E" versions for flanged encl.	8.5 x 10.5 x 2.0	N/C
-JBOX	NEMA type 1 J-box	Add -JBOX to "E" versions for junction box	12.0 x 12.0 x 4	add'l 101.54

ROTOR-ROUTER is the name for our electronic patch bay that allows multiple DMX512 input locations to be routed to multiple DMX512 output locations. Up to twelve input locations can be 'patched' to an unlimited number of output locations via twelve position rotary switches (one switch per output). For small distribution needs, a single module with mixed inputs and outputs (no additional charge) may be all that is needed.

Model	Name	Description	h w d (inches)	MSRP (US)
RR-I	Rotor-Router input mod.	Twelve isolated inputs, 5 pin male XLR	1.7 x 19.0 x 6.5	\$ 2,763.20
RR-O	Rotor-Router output mod.	Twelve isolated outputs, 5 pin female XLR	1.7 x 19.0 x 6.5	2,763.20
RR-TB	Rotor-Router term. blk.	Twelve isolated inputs/outputs terminal blk.	1.7 x 19.0 x 6.5	2,763.20

PORK CHOPPER is an economical way to increase the total number of control channels of a Flying Pig Systems Wholehog II console. Each *Pork Chopper* is capable of doubling the channel capacity of the output port to which it is connected. Up to three Pork Choppers can be connected to a single console adding an additional 1536 channels.

Model	Description	h w d (inches)	MSRP (US)
PCHOP	One isolated input two isolated outputs "Overdrive" decoder	1.7 x 8.5 x 6.5	\$ 2,103.20

WALL PLATES can be either passive or active. Our passive wall plates incorporate an XLR connector mounted to a single gang, machined aluminum, black anodized, engraved wall plate with screw terminals provided for the in-wall wiring. These passive wall plates would then be wired back to a rack or wall mounted splitter, merger, or Rotor-Router. Active wall plates include buffer circuitry which allows more advanced distribution methods.

Model	Name	Description	h w d (inches)	MSRP (US)
WP-I	Wall plate, input	Male 5 pin XLR single gang plate	4.5 x 2.7 x 1.5	\$ 110.00
WP-O	Wall plate, output	Female 5 pin XLR single gang plate	4.5 x 2.7 x 1.5	110.00
DFDNET	DFDNET output module	Buffered Female 5 pin XLR single gang plate	4.5 x 2.7 x 1.5	220.00

POWER SUPPLIES

Model	Description	h w d (inches)	MSRP (US)
LED300	Powers popular lighting fixtures in portable applications.	1.7 x 8.5 x 6.5	\$ 1,663.20




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RELAY PACKS use the DMX512 signal levels to control on/off functions. Doug Fleenor Design makes two types of relay packs: line voltage and low voltage. Line voltage packs switch the incoming AC power to AC receptacles. Low voltage packs provide contact closures on XLR connectors. Some manufacturer's relay packs use solid-state devices. Doug Fleenor Design's relay packs use mechanical (air-gap) relays. Mechanical relays are uncomplicated, work with any voltage (up to the maximum rating), do not leak current, have consistently low contact resistance, work on AC or DC circuits, and do not get hot. The primary disadvantage of mechanical relays is their finite life span (typically more than 100,000 operations).

Model	Description	h w d (inches)	MSRP (US)
DMX1REL20A	Line voltage output, single channel, 20 amps	1.7 x 6.5 x 6.5	\$ 467.50
DMX6REL15A	Line voltage outputs, six channel, 15 amps/chan. 15 amps total	1.7 x 16.0 x 6.5	605.00
DMX6REL30A	Line voltage outputs, six channel, 15 amps/chan. 30 amps total	1.7 x 16.0 x 6.5	715.00
DMX2REL5A	Low voltage contact closures, two channel, 5 amps/chan.	1.7 x 6.5 x 6.5	467.50
DMX6REL1A	Low voltage contact closures, six channel, 1 amps/chan.	1.6 x 5.6 x 9.0	715.00

Printed circuit boards with from one to twenty-four relays are available for OEM applications. Please call.

 **DMX96OC 96 channel solid state switch. 100mA continuous 500mA peak 1.7x 16.0 x 6.5 1,540.00**


DMX TO ANALOG CONVERTERS produce analog control signals from the DMX512 levels. Doug Fleenor Design's analog signals meet the ANSI E1.3 standard (0 to 10V Analog Control Specification). Analog signals from these converters are typically used to control analog (0-10V) dimmers, LED indicators, fog machines, and anything else that has a 0-10V analog control input.

Model	Description	h w d (inches)	MSRP (US)
DMX24ANL	24 analog outputs on (1) DB-25 connector	1.6 x 5.6 x 9.0	\$ 715.00
DMX96ANL	96 analog outputs on (4) DB-25 connectors	1.7 x 16.7 x 8.0	1,540.00

DMX TO AMX CONVERTERS allow control of dimming systems based on the AMX192 control standard via DMX512. Doug Fleenor Design's converters are very fast and very reliable for demanding applications. Conversion to/from Colortran's CMX protocol is accomplished using our dmX merge products (previous page).

Model	Description	h w d (inches)	MSRP (US)
DMX1AMX	Single AMX192 output port for up to 192 dimmers	1.6 x 5.6 x 9.0	\$ 1,320.00
DMX2AMX	Two AMX192 output ports for up to 384 dimmers	1.6 x 5.6 x 9.0	1,540.00


Units with any number of DMX512 inputs and AMX192 outputs can be manufactured on a per order basis.

 **DMX TO MICROPLEX** h w d (inches) MSRP (US)
 Converts DMX512 to Sunn,ETA,NSI, Leprecon or Lightronics versions of Microplex 1.7 x 6.5 x 6.5 715.00

DMX512 TO iPlayer 2 INTERFACE uses DMX512 control levels to select commands for the iPlayer 2. The interface uses three or five consecutive DMX channels to select trigger mode, show number and intensity.

Model	Description	h w d (inches)	MSRP (US)
DMX2iPLAY	DMX512 to RS-232 to trigger Color Kinetics iPlayer 2	5.3 x 3.2 x 1.8	\$ 1,320.00

DMX512 CONTROL CONSOLES generate the DMX512 control signal based on operator input. Doug Fleenor Design debuted the Apathy console in 1999. In 2003 we introduced the Preset 10 consoles. The Apathy is a single channel console that defaults to all DMX512 levels being patched to its single knob. A user hostile interface allows the Apathy to control a single channel, however. The Preset 10 is a snapshot console that captures up to ten static looks and plays them back at the touch of a button.

Model	Description	h w d (inches)	MSRP (US)
APATHY	Single channel console (w/ discreet dimmer control)	2.5 x 2.5 x 4.0	\$ 220.00
Pre10-A	DMX512 based architectural system capable of storing up to ten scenes		557.75
Pre10-P	Backup for DMX512 lighting consoles or as a stand-alone preset console		557.75
XFMR	Transformer for Preset 10 Architectural		24.20
RAD	Remote Addressing Device	4.3 x 2.3 x 1.7	164.99
 GIZMO	DMX512 test box	7.0 x 3.5 x 1.5	1,200.00

TERMINATORS plug into the feed-through connector of the final DMX512 device on a control cable. Use of a terminator improves signal reliability by preventing reflections and reducing ringing. Doug Fleenor Design's Terminator features a "happy" LED that illuminates when a strong DMX512 signal is present and incorporates *Tranzorb* diodes to suppress spikes that can appear on the control cable during electrical storms. The sequel (T2) without the indicator or spike suppression was introduced a year after the Terminator.

Model	Description	h w d (inches)	MSRP (US)
TERMINATOR	120 Ohm terminator w/ "happy" LED and spike suppression	0.8 x 0.8 x 1.9	\$ 53.90
T2	120 Ohm terminator	0.8 x 0.8 x 1.9	27.50