

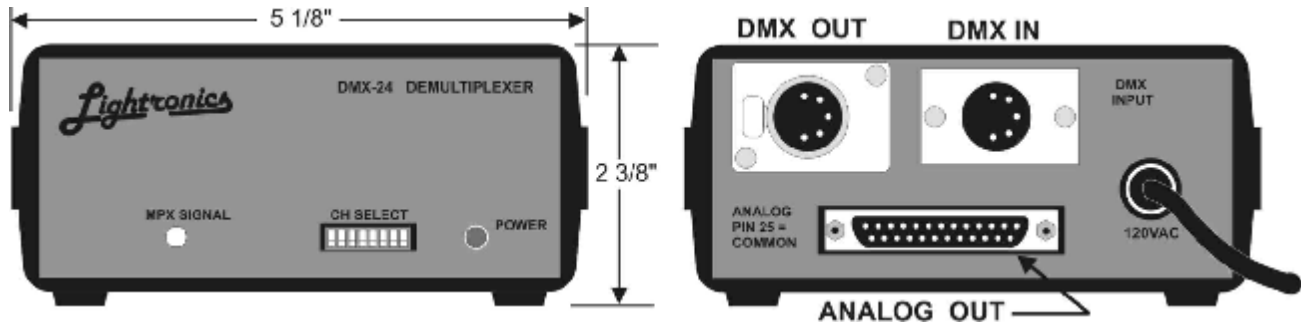
**DMX – 24 DMX to ANALOG TRANSLATOR  
OWNERS MANUAL**

Revision 1.0

03/02/2005

**DESCRIPTION**

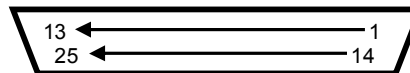
The DMX-24 is a very compact lighting protocol translator which receives a USITT DMX-512 signal from a typical DMX lighting console, reformats the information, and transmits it as 24 channels of 0–10 volt analog signals. A “passthru” DMX connector is provided. The unit is powered by 120 VAC.

**FACTORY CONFIGURATION OPTIONS**

The unit can be supplied to operate on 220 VAC power. The unit can also be supplied to output 0 – 15 VDC analog or 0 – 20 VDC analog.

**CONNECTIONS**

Connect the output of the console to the 5 pin male XLR connector on the rear of the DMX-24. The female 5 pin XLR connector on the rear of the unit is a “passthru” connector to connect the DMX signal to other equipment. The 25 pin (DB-25) D connector on the rear of the unit is for the analog output signals which are to be connected to the analog dimmers or other analog compatible lighting devices. Pin 1 of the DB-25 connector is the channel 1 output signal. Channels 2 through 24 follow in sequence (pin # = channel). Pin 25 is the common or signal ground. Plug the power cord into any convenient 120VAC outlet. It draws very little power.

**Analog Output Connector  
Pin Locations****OPERATION**

The red LED indicator on the front panel lights when power is applied to the unit. The green LED is lighted when a valid DMX signal is present. The unit may be set to operate any range of 24 channels up to 512 by setting the DIP switches on the front of the unit. A partial table of switch settings is on the bottom of the unit. The left DIP switch operates a hold function. If this switch is set to UP and the DMX signal is removed – the unit will continue to send the last valid channel information to the dimmers.

**MAINTENANCE****TROUBLESHOOTING**

- ü Check the connections and integrity of the associated cables (a very common source of problems).
- ü Ensure that the dimmers are on and operating. Verify that the dimmers addressing is correctly set.
- ü Check the address settings on the DMX-24.

**REPAIR**

There are no user servicable parts in the unit. Service by other than Lightronics authorized agents will void the warranty. If service is required, contact the dealer from whom you purchased the unit or contact Lightronics.

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**ADDRESS SELECTION**

The DIP Switch Setting column shows the positions of the DIP switches on the dimmer. The Start Channel column shows the resulting channel assignment for the first channel of the dimmer

All Lightronics products using DIP switches for address assignments conform to this table. Some dimmers cannot be set to all 512 channels and will have fewer switches than are shown in the table. If this is the case then match the right end switches in the table to your dimmer switches.

NOTE: Some control consoles can be programmed or "patched" to alter their channel order. You may get unexpected results if you are not aware of the console patch condition when you assign channels at a dimmer.

EXAMPLE: If a dimmer's DIP switches are set to 0Y0Y0YY then the first channel of the dimmer will respond to console channel 173. The remaining dimmer channels will respond to console channels 174, 175, 176 ...etc.

DIP Switch Setting	Start Channel	DIP Switch Setting	Start Channel	DIP Switch Setting	Start Channel	DIP Switch Setting	Start Channel
0000000	1	0Y00000	129	Y000000	257	YY00000	385
000000Y	5	0Y0000Y	133	Y00000Y	261	YY0000Y	389
00000Y0	9	0Y000Y0	137	Y0000Y0	265	YY000Y0	393
00000YY	13	0Y000YY	141	Y0000YY	269	YY000YY	397
0000Y00	17	0Y00Y00	145	Y000Y00	273	YY00Y00	401
0000Y0Y	21	0Y00Y0Y	149	Y000Y0Y	277	YY00Y0Y	405
0000YY0	25	0Y00YY0	153	Y000YY0	281	YY00YY0	409
0000YYY	29	0Y00YYY	157	Y000YYY	285	YY00YYY	413
000Y000	33	0Y0Y000	161	Y00Y000	289	YY0Y000	417
000Y00Y	37	0Y0Y00Y	165	Y00Y00Y	293	YY0Y00Y	421
000Y0Y0	41	0Y0Y0Y0	169	Y00Y0Y0	297	YY0Y0Y0	425
000Y0YY	45	0Y0Y0YY	173	Y00Y0YY	301	YY0Y0YY	429
000YY00	49	0Y0YY00	177	Y00YY00	305	YY0YY00	433
000YY0Y	53	0Y0YY0Y	181	Y00YY0Y	309	YY0YY0Y	437
000YYY0	57	0Y0YYY0	185	Y00YYY0	313	YY0YYY0	441
000YYYY	61	0Y0YYYY	189	Y00YYYY	317	YY0YYYY	445
00Y0000	65	0YY0000	193	Y0Y0000	321	YYY0000	449
00Y000Y	69	0YY000Y	197	Y0Y000Y	325	YYY000Y	453
00Y00Y0	73	0YY00Y0	201	Y0Y00Y0	329	YYY00Y0	457
00Y00YY	77	0YY00YY	205	Y0Y00YY	333	YYY00YY	461
00Y0Y00	81	0YY0Y00	209	Y0Y0Y00	337	YYY0Y00	465
00Y0Y0Y	85	0YY0Y0Y	213	Y0Y0Y0Y	341	YYY0Y0Y	469
00Y0YY0	89	0YY0YY0	217	Y0Y0YY0	345	YYY0YY0	473
00Y0YYY	93	0YY0YYY	221	Y0Y0YYY	349	YYY0YYY	477
00YY000	97	0YYY000	225	Y0YY000	353	YYY0000	481
00YY00Y	101	0YYY00Y	229	Y0YY00Y	357	YYY000Y	485
00YY0Y0	105	0YYY0Y0	233	Y0YY0Y0	361	YYY00Y0	489
00YY0YY	109	0YYY0YY	237	Y0YY0YY	365	YYY00YY	493
00YYY00	113	0YYYY00	241	Y0YYY00	369	YYYYY00	497
00YYY0Y	117	0YYYY0Y	245	Y0YYY0Y	373	YYYYY0Y	501
00YYYY0	121	0YYYY00	249	Y0YYYY0	377	YYYYY00	505
00YYYYY	125	0YYYYYY	253	Y0YYYYY	381	YYYYYYY	509



All Lightronics products are warranted for a period of TWO/FIVE YEARS from the date of purchase against defects in materials and workmanship.

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This warranty is subject to the following restrictions and conditions:

- A) If service is required, you may be asked to provide proof of purchase from an authorized Lightronics dealer.
- B) The FIVE YEAR WARRANTY is only valid if the warranty card is returned to Lightronics accompanied with a copy of the original receipt of purchase within 30 DAYS of the purchase date, if not then the TWO YEAR WARRANTY applies. Warranty is valid only for the original purchaser of the unit.
- C) This warranty does not apply to damage resulting from abuse, misuse, accidents, shipping, and repairs or modifications by anyone other than an authorized Lightronics service representative.
- D) This warranty is void if the serial number is removed, altered or defaced.
- E) This warranty does not cover loss or damage, direct or indirect arising from the use or inability to use this product.
- F) Lightronics reserves the right to make any changes, modifications, or updates as deemed appropriate by Lightronics to products returned for service. Such changes may be made without prior notification to the user and without incurring any responsibility or liability for modifications or changes to equipment previously supplied. Lightronics is not responsible for supplying new equipment in accordance with any earlier specifications.
- G) This warranty is the only warranty either expressed, implied, or statutory, upon which the equipment is purchased. No representatives, dealers or any of their agents are authorized to make any warranties, guarantees, or representations other than expressly stated herein.
- H) This warranty does not cover the cost of shipping products to or from Lightronics for service.
- I) Lightronics Inc. reserves the right to make changes as deemed necessary to this warranty without prior notification.