



***DIGITAL DMX  
4+1 CHANNEL 4A.  
DIMMING POWER PACKS***

***DX-421***

***DX-422***

***DX-424A/E***

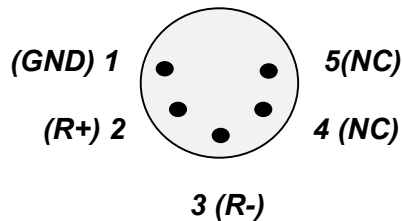
***USER MANUAL***

## OPERATION

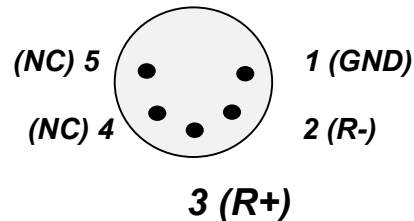
### SET-UP

- 1) Connect a 5 pin mic. cable from the DMX signal source to the input connector socket
- 2) If more than 1 power pack is required, depending on the signal source requirement, connect a 5 pin mic. cable from the first DMX power pack output to the next DMX-power pack input. A total of 12 DMX-power packs can be connected simultaneously ( 512 different channels).

### INPUT



### OUTPUT



### CHASE PATTERN / CHANNEL TESTING

When there is no connection into the dmx input, there are two options;

- 1) a chase pattern
- 2) testing of channels

To change option after channel output has been connected, push function (func.) button.

#### CHASE PATTERN

		○ = OFF
		● = ON
PATTERN	1	
STEP 1	● ○ ○ ○	
STEP 2	○ ● ○ ○	
STEP 3	○ ○ ● ○	
STEP 4	○ ○ ○ ●	

- To change chase pattern speed; push button #4 (speed up), or button #5 (speed down).
- The DMX-power packs has auto memory for speed level, until the machine is turned off.
- The initial speed is 1 signal for each second.

#### TESTING OF CHANNELS

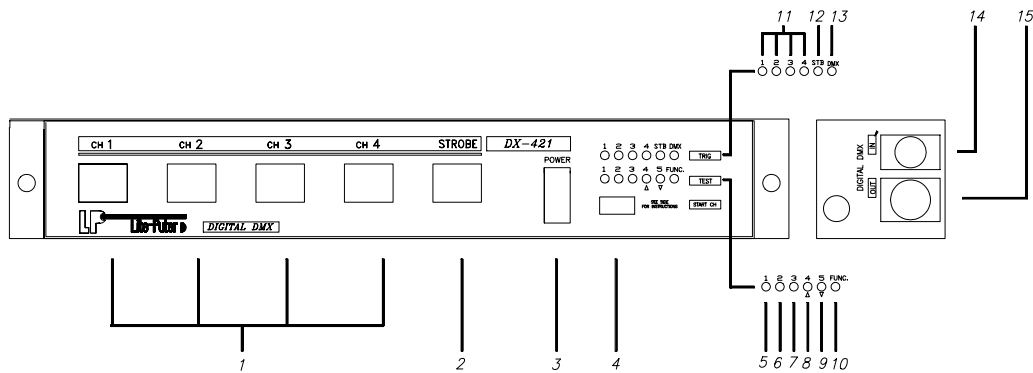
- Press the appropriate test button relating to the channel to be tested.
- Test button #5 relates to strobe. .

**DX-421/ 422/ 424**  
**4 +1CH DIMMER PACKS**

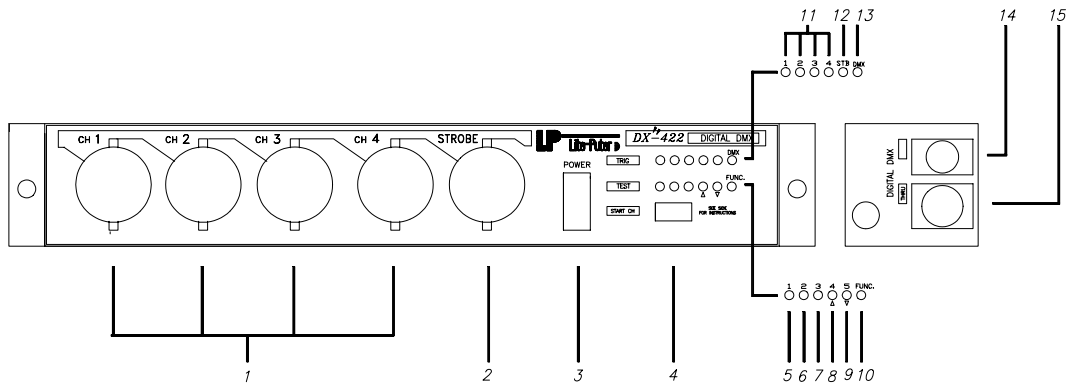


**FRONT / REAR PANEL DESCRIPTION**

**DX-421 120V. AC ONLY**



**DX-422 200-240V**

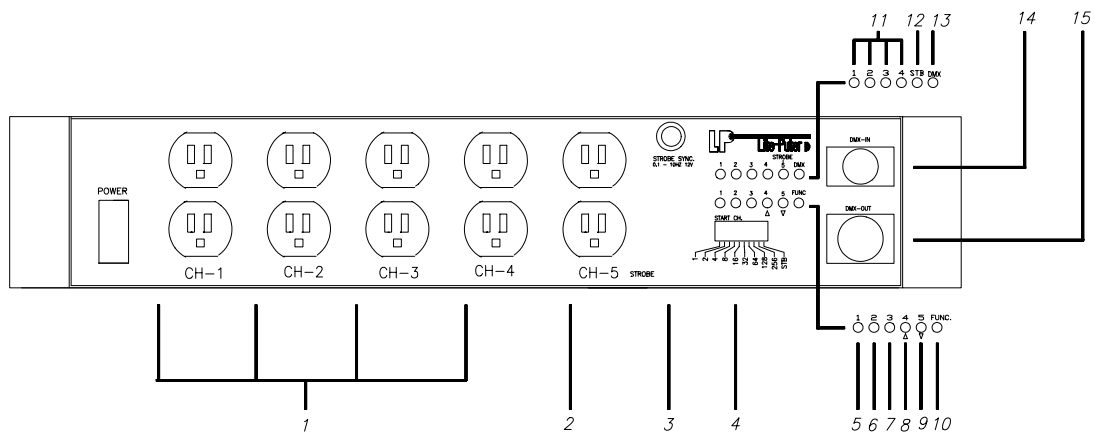


**DX-421/ 422/ 424**  
**4 +1CH DIMMER PACKS**

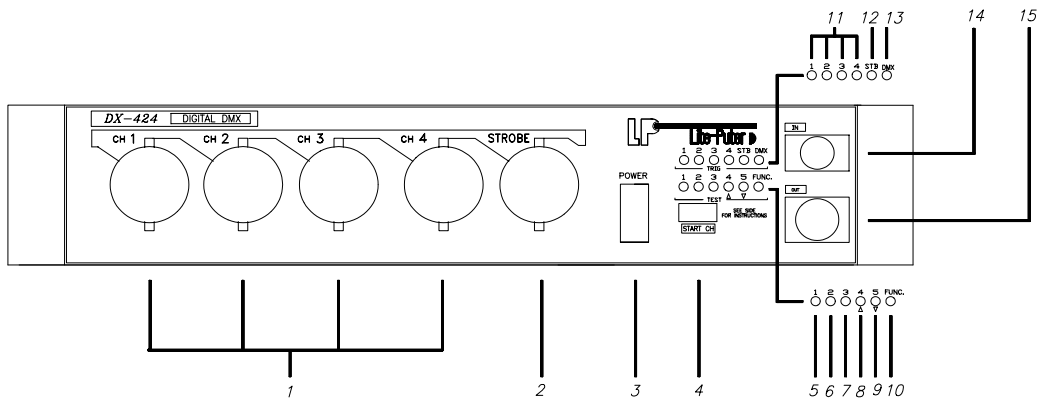


**FRONT / REAR PANEL DESCRIPTION**

**DX-424A 100-120V AC (RACK MOUNTABLE)**  
**(FOR AMERICAN MARKET)**



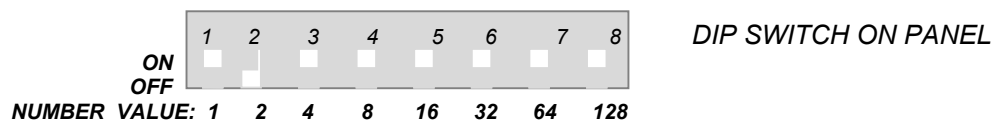
**DX-424E 200-240V AC (FOR EUROPEAN MARKET)**



## FRONT / REAR PANEL DESCRIPTION

- 1) 4 X 4A. POWER OUTPUT SOCKETS
- 2) 1A. POWER OUTPUT SOCKET FOR STROBE LIGHTING
- 3) POWER/ RESET CIRCUIT BREAKER
- 4) DIP SWITCH: Move the appropriate switch up to use the power pack for the signal output indicated..  
     See chart on side of case.
- 5) FUNCTION A.....CH1 TEST BUTTON
- 6) FUNCTION A.....CH2 TEST BUTTON
- 7) FUNCTION A.....CH3 TEST BUTTON
- 8) FUNCTION A.....CH4 TEST BUTTON
- 9) FUNCTION A.....STROBE TEST BUTTON
- 10) FUNCTION SELECTION BUTTON
- FUNCTION B.....SPEED UP
- FUNCTION B.....SPEED DOWN
- NOTE: Function B is obsolete when DMX is connected
- 11) CHANNELS #1-4 LIGHTING INDICATORS
- 12) STROBE LIGHT INDICATOR
- 13) DIGITAL-DMX INPUT INDICATOR
- 14) DIGITAL-DMX INPUT
- 15) DIGITAL-DMX THRU(OUT): Used when other DMX power packs are used simultaneously.

## START CHANNEL PROGRAMMING



START CHANNEL= Total of all number values in "n" position.

EXAMPLE: (SEE DRAWING ABOVE)

TO SET START CHANNEL ADDRESS AT 2 ( Power pack will be set for channels; 2,3,4,5, and 6)

DIP SW # 1 = OFF

DIP SW # 2 = ON

DIP SW # 3~8 = OFF

SEE THE FOLLOWING PAGES FOR MORE DESCRIPTIVE PROGRAMMING CHART.

**START CHANNEL PROGRAMMING**

CHN=B1+B2+B4+B8+B16+ -- +B256  
 STB:ON STROBE CH. NO DIMMING  
 ON=1  
 OFF=0

**START CHANNEL PROGRAMMING**

CH-1		CH-16		CH-32		CH-48	
CH-2		CH-17		CH-33		CH-49	
CH-3		CH-18		CH-34		CH-50	
CH-4		CH-19		CH-35		CH-51	
CH-5		CH-20		CH-36		CH-52	
CH-6		CH-21		CH-37		CH-53	
CH-7		CH-22		CH-38		CH-54	
CH-8		CH-23		CH-39		CH-55	
CH-9		CH-24		CH-40		CH-56	
CH-10		CH-25		CH-41		CH-57	
CH-11		CH-26		CH-42		CH-58	
CH-12		CH-27		CH-43		CH-59	
CH-13		CH-28		CH-44		CH-60	
CH-14		CH-29		CH-45		CH-61	
CH-15		CH-30		CH-46		CH-62	
		CH-31		CH-47		CH-63	

## START CHANNEL PROGRAMMING

<p>CHN=B1+B2+B4+B8+B16+ -- +B256          STB:ON STROBE CH. NO DIMMING          ON=1          OFF=0</p>				<p>START CHANNEL PROGRAMMING</p>			
CH-64		CH-80		CH-96		CH-112	
CH-65		CH-81		CH-97		CH-113	
CH-66		CH-82		CH-98		CH-114	
CH-67		CH-83		CH-99		CH-115	
CH-68		CH-84		CH-100		CH-116	
CH-69		CH-85		CH-101		CH-117	
CH-70		CH-86		CH-102		CH-118	
CH-71		CH-87		CH-103		CH-119	
CH-72		CH-88		CH-104		CH-120	
CH-73		CH-89		CH-105		CH-121	
CH-74		CH-90		CH-106		CH-122	
CH-75		CH-91		CH-107		CH-123	
CH-76		CH-92		CH-108		CH-124	
CH-77		CH-93		CH-109		CH-125	
CH-78		CH-94		CH-110		CH-126	
CH-79		CH-95		CH-111		CH-127	

## **TECHNICAL SPECIFICATIONS**

### **POWER INPUT**

DX-421.....	120V AC( 5A MAX PER CH TOTAL 15A)
DX-422.....	240V AC ( 5A MAX PER CH TOTAL 15A)
DX-424A/E.....	100~120V / 240V AC ( 5A MAX PER CH TOTAL 15A)

**CHANNEL/ STROBE LOADING.....**4A. / 4A.

**DMX CONNECTOR IN.....**XLR 5 POLE MALE SOCKET

**DMX CONNECTOR OUT.....**XLR 5 POLE FEMALE SOCKET

**DMX SIGNAL CABLE.....**STANDARD XLR CABLE

**DMX DISTANCE.....**MAX 100M.

### **DIMENSIONS**

DX-424.....	482mm (w) x 88mm (h) x 80mm (d)
	19" 2U rack mountable

## **MAINTENANCE**

- \* Use only the voltage/ power this machine has specified.  
(see label on machine)
  - \* Guarantee is void if improperly connected.
  - \* Internal repairs to be done by a professional technician.
- 

## **LITE-PUTER ENTERPRISE CO., LTD.**

P.O. BOX 1-33  
HSI-CHIH, TAIPEI HSEIN  
TAIWAN  
TEL: 886-2-8647-2828  
FAX: 886-2-8647-2727  
E-MAIL:sales@liteputer.com.tw  
Website: www.liteputer.com.tw