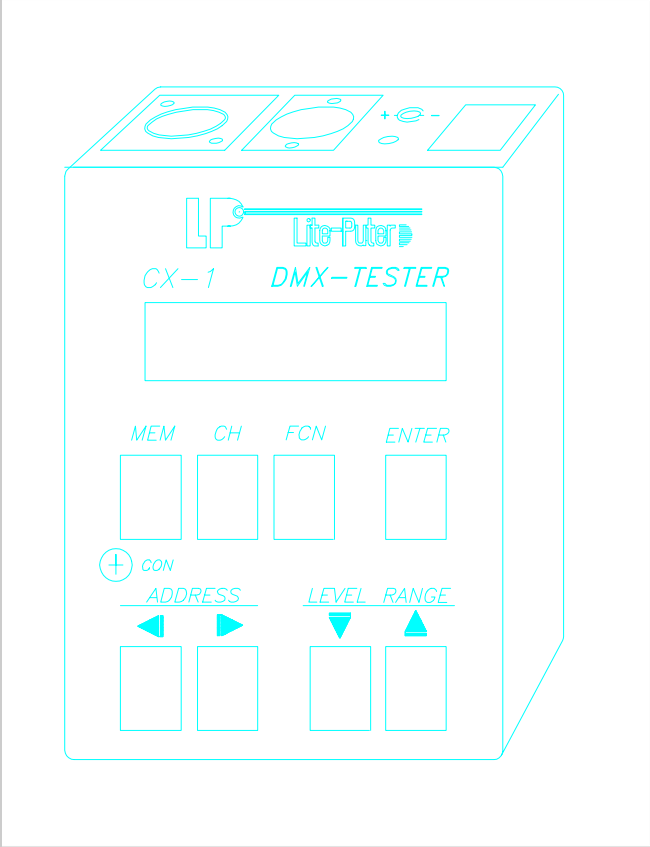
Lite-Puter

DIGITAL DMX TESTER

CX-1

USER MANUAL



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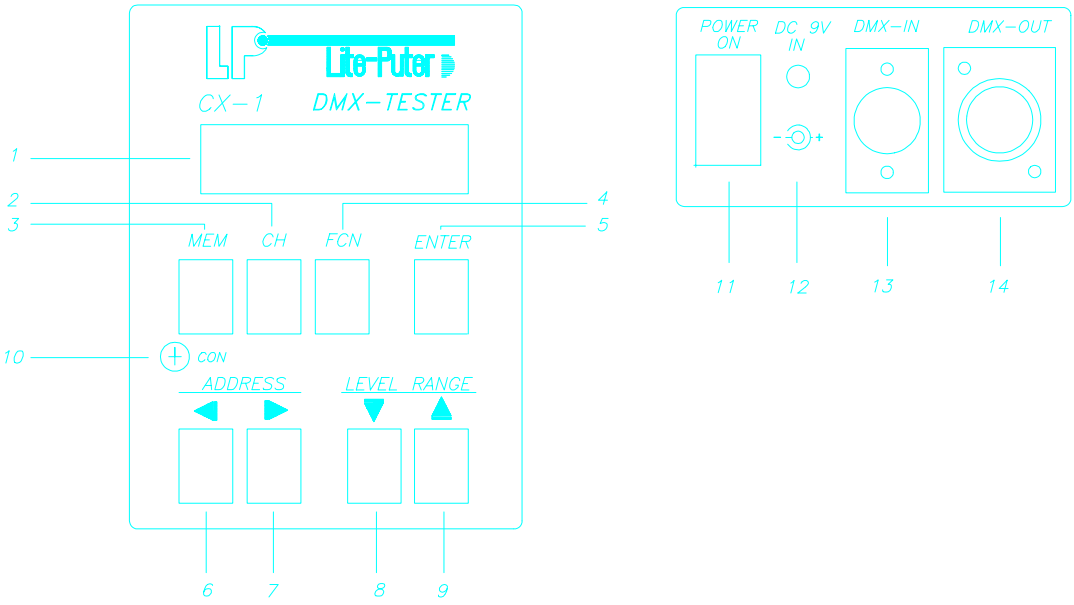
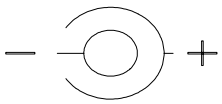
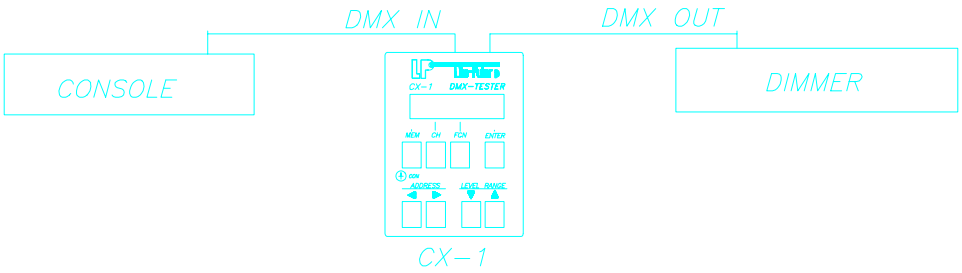
GENERAL FUNCTIONS



[1] LCD DISPLAY
[2] CH = Channel selector
[3] MEM = Memory selector
[4] FCN = Functions selector
[5] Enter
[6] < = ADDRESS -1
[7] > = ADDRESS +1
[8] ^ = LEVEL +1
[9] v = LEVEL -1
[10] CON = Contrast (Turning the screw changes the contrast)
[11] POWER = Power switch
[12] DC 9V. IN: DC 9V Input > 200mA



[13] DMX IN : XLR 5 PIN DMX INPUT
[14] DMX OUT: XLR 5 PIN DMX OUTPUT



BASIC OPERATION

NOTE;

- ***IMPORTANT; PRIOR TO USE, CHARGE BATTERIES FOR 8 HOURS***
- ***Power, during discontinued use, remains on only for 5 minutes.***
- ***If power went down, , turn switch off, then back on again. Once the CX-1 is on, press any key one time to return to previous operation.***
- ***All testing is accomplished through one of the primary testing functions***
- ***All measurements are recorded and displayed in either;***
  1) percentages (%) OR 2) hexadecimals (h)
  If wish to change, see secondary mode: UNIT TYPE

To enter into the desired function;

STEP ❶ Press FCN or ADDRESS key until desired primary testing or secondary function is shown in the LCD display.

STEP ❷ Press ENTER key to enter function.

STEP ❸ Follow function description as described on the following pages.

STEP ❹ Once in primary testing mode, and wish to enter into a secondary mode, press FCN switch until desired mode is reached.

STEP ❺ After secondary mode is completed, LCD screen automatically returns back to previous primary testing mode.
ATTN: DMX OUT; Returns to step 1
DMX IN: Returns to original step.
INTELLIGENT LIGHTING: Returns to company's I.L.
AUTO FADE: Returns to step 1

PRIMARY TESTING FUNCTION A DMX OUT

NOTES

- ***For quick changes of levels (0 ➡50➡100➡0..), push ⮟ and ⮝ at same time.***
- ***To record to memory, see REC MEM function***
- ***3 FUNCTIONS OF DMX OUT MODE***

1) TO TEST ONE CHANNEL AT A TIME

1---------->0%

Channel 1: at 0 percent

⮜ ⮞ = *Changes channels (CH 1~512)*

⮝ ⮟ = *Changes level of the channel*

H *UNIT; 00~FF*

% UNIT; 0~100

2) TO TEST A CONTINUOUS SET OF CHANNELS AT THE SAME LEVEL

STEP ❶ Select starting channel as described above

STEP ❷ Push "CH" key button

1------ 2-----> 0%

Start channel 1.... thru.... end channel 2: All channels at 0 percent

⮜ ⮞ = *Adjusts the end channel (range of channels to be tested)*

⮝ ⮟ = *Changes level of the channels output*

H *UNIT; 00~FF*

% UNIT; 0~100

3) TO TEST A CONTINUOUS SET OF CHANNELS AT DIFFERENT LEVELS

STEP ❶ Once in DMX OUT, press MEM switch.

1--------->0%

ENTER

STEP ❷ Select BUFFER or a clear memory file (◅ ▻changes file).

M00 BUFFER *OR* ***M01 ~ 09 EMPTY***

Buffer *Select memory files #01 ~ 09 empty*

Attn: If all files show RECORDED, then modify existing file or clear a file by entering into CLR MEM mode.

STEP ❸ If wish to modify a previously recorded file, go to step ❺

STEP ❹ If a empty memory file was selected, go to STEP ❻

STEP ❺ 2 ways to modify:

a) Increases or decreases all channel levels at same time.

M02 1----->1%

b) 1 x 1 modify each channel's level. *(press "CH" key button)*

M02* 1----->1%

◅ ▻ = *Adjusts the channel to be tested.*

▲ ▼ = *Changes level of the channel's output.*

H *UNIT; 00~FF*

% *UNIT; 0~100*

*Attn: To cancel all modifications, and return to original setting as well as canceling * press ENTER.*

NOTE: All new settings must be recorded as described on page 9.

EMPTY MEMORY SETTING .

STEP ❼ Press ⮜ ⮞, select start channel

M01 ADR CH 1

ENTER

STEP ❼

M01 3 ----> 0%

ENTER

⮜ ⮞ = *Adjusts the channel to be tested.*

⮝ ⮟ = *Changes level of the channel's output.*

H *UNIT; 00~FF*

% *UNIT; 0~100*

(ATTN Maximum channel setting to output through buffer or a memory channel is 48 art channel + 47 channels).

PRIMARY TESTING FUNCTION B DMX IN

NOTE:

- ***Only 4 continuous channels from the indicated start channel can be checked at one time.***
- ***If a single digit is shown in the beginning for each channel, measurement units are in %.***
  If double digits are shown in the beginning for each channel, measurement units are in hexadecimals.

C 1->10.20.30.40

Start ch 1 ..thru.. End ch 4.

CHANNEL 1 LEVEL = 10
CHANNEL 2 LEVEL = 20
CHANNEL 3 LEVEL = 30
CHANNEL 4 LEVEL = 40

◄ ► *Changes start channel*

MAIN FUNCTION C. AUTO FADE

1) TO TEST ONE CHANNEL'S FADING LEVEL AT A TIME

1----------> 0%

Channel 1 Levels fade 00~FF (hexadecimal unit)

◄ ► = *Changes different channels; 1~512*

▲ ▼ = *Changes speed of level fading time of the indicated channel*

H display; 00~FF

% display; 0~100

2) TO TEST A CONTINUOUS SET OF CHANNELS' FADING LEVEL WITHIN THE SAME INDICATED LEVEL.

STEP ❶ Select starting channel as described above

STEP ❷ Push CH key button, then select end channel.

1------ 2-----> 0%

Start channel 1.... thru.... End channel 2 levels fade 00~FF (hexadecimal unit)

◄ ► = *Adjusts the end channel (range of channels to be tested)*

▲ ▼ = *Changes speed of level fading time of the indicated channels' output*

***H** UNIT; 00~FF*

***%** UNIT; 0~100*

MAIN FUNCTION D. INTELLIGENT LIGHTING

STEP ❶ ***Select the manufacturer of the intelligent lighting using the address buttons ⮜ ⮞, then press ENTER.***

.

1. LITE PUTER	***11. JB***
2. B + K	***12. LAMPO***
3. CAMELON	***13. MARTIN***
4. CLAY PAKY	***14. NJD***
5. COEMAR	***15. SGM***
6. COLOR CHANGER	***16. SHOW PRO***
7. F.A.L.	***17. STUDIO DUE***
8. F.L.Y.	***18. SUMMA***
9. G.L.P.	***19. SYNCROLITE***
10. HIGH END	***20.VARI LITE***

STEP ❷ *Select the specific manufacturer's intelligent light using the address buttons ⮜ ⮞, then press* ***ENTER.***

EXAMPLE: .

LITE PUTER

ENTER

LITE PUTER SCAN

ENTER

START CHANL 1

⮜ ⮞ *Changes start channel*

ENTER

COLOR 1.....50%

⮜ ⮞ *Changes channel's name/functions;*

EXAMPLE: LITE PUTER - COLOR 1 (start ch.) ➡ GOBO 1 (start ch+1) ➡ PAN (start ch+2)➡ TILT (start ch.+3)

⮝ ⮟ *Changes level or movement .*

All channels' names/functions start at 50% .

SECONDARY FUNCTION E REC. MEMORY

` **STEP ❶ Press FCN until REC MEM mode**

REC MEM

ENTER

STEP ❷ Select empty memory file (➢ ➢ change file)

M01 ~ M10

ENTER

To see setting, press enter again.

NOTES;

- **Can not modify buffer status in REC MEM mode. Can not record data on a single channel as described in function #1, and #2 of DMX OUT. User must enter data through function #3 of DMX OUT.**
- **10 Memories available; M01 - M10**
- **Each memory can record up to 48 channels. (start ch +47channels**

SECONDARY FUNCTION F CLR. MEM

TO CLEAR BUFFER;

M00 BUFFER

ENTER

TO CLEAR INDIVIDUAL MEMORY FILES;

M01 ~M10

ENTER

TO CLEAR ALL MEMORY FILES;

M00 ~M10

MEM + ENTER (At the same time)

NOTE; ● ***< > Changes memory file***

● ***After clearing memory, operation returns back to previous primary testing mode***

SECONDARY FUNCTION G BACKLIGHT ON / OFF

NOTE; ● ***After the backlight has been turned on, and the CX-1 has not been used for 30 seconds, the light will automatically turn off.***

TO TURN ON / OFF BACKLIGHT

Enter in either;

1) Backlight function, then press ENTER.

2) End of each function step, then press ENTER.

SECONDARY FUNCTION H POWER DOWN ON

NOTE; ● ***Power, during discontinued use, remains on only for 5 minutes.***

● ***If power went down, , turn switch off, then back on again. Once the CX-1 is on, press FCN one time to return to previous operation.***

TO TURN ON / OFF POWER DOWN MODE

Enter into the POWER DOWN mode, then press ENTER.

ATTN; ● *After ENTER has been pressed, power down mode will automatically be changed, and the LCD will indicate the previous primary testing mode.*

SECONDARY FUNCTION I UNIT TYPE % OR H

NOTE; ● **All measurements are recorded and displayed in either;**
1) **percentages (%)**
2) **hexadecimals (h)**

● **After measurement unit type has been selected will measurement unit type will automatically be changed, and the LCD will indicate the previous primary testing mode.**

UNIT TYPE % OR H

ENTER

1. PERCENTAGE

2. HEXADECIMAL

ENTER

◄ ► CHANGES MEASUREMENT UNIT TYPE .

WARNING

- **Guarantee is void if improperly connected.**
- **Internal repairs to be done by a professional technician.**

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