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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. ▼ = 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) hexadeimals (h)
  If wish to change, see secondary mode: UNIT TYPE

To enter into the desired function:

STEP 1 Press FCN or ADDRESS key until desired primary testing or secondary function is shown in the LCD display.

STEP 2 Press ENTER key to enter function.

STEP 3 Follow function description as described on the following pages.

STEP 4 Once in primary testing mode, and wish to enter into a secondary mode, press FCN switch until desired mode is reached.

STEP 6 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 ① Select starting channel as described above

STEP ② 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 1 Once in DMX OUT, press MEM switch.

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

ENTER

STEP 2 Select BUFFER or a clear memory file (< > changes file).

<table>
<thead>
<tr>
<th>Buffer</th>
<th>BUFFER</th>
<th>OR</th>
<th>M01 ~ 09</th>
<th>EMPTY</th>
</tr>
</thead>
</table>

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

STEP 1 If wish to modify a previously recorded file, go to step 3

STEP 4 If a empty memory file was selected, go to STEP 6

STEP 6 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%

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 1**
Press < >, select start channel

<table>
<thead>
<tr>
<th>M01</th>
<th>ADR</th>
<th>CH</th>
<th>1</th>
</tr>
</thead>
</table>

**STEP 2**

| M01 | 3 | ----> | 0% |

**< >** = 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 1  Select starting channel as described above

STEP 2  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 1 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 2 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 1 Press FCN until REC MEM mode

REC MEM

STEP 2 Select empty memory file (← → change file)

M01 ~ M10

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) hexadeimals (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.