

# Checker

Handheld DMX512 / RDM toolbox

Users Manual for release 1.0



*ELC*

The ELC DMX Checker is a handheld DMX toolbox with the following features:

- Send DMX in command style, type in the channel numbers with up to 99 memories
- View DMX input, as bargraphs or values.
- Analyze DMX input timing and line voltages
- Fixture testing with built-in library and macros line lamp strike and reset
- RDM (bi-directional DMX) device discovery, identify and address setting
- Full real-time show recording and playback, compatible with the ELC showStore and miniStore. Recorded on internal 1GB disk.
- Cable testing
- Dipswitch calculator

#### **Connections:**

- DMX input on XLR5
- DMX output on XLR5
- USB device port for firmware update and disk access

#### **Controls:**

- Graphic backlit display
- 16 button backlit keypad
- side thumb encoder wheel with push function
- Soft on/off button on the top next to the USB connector

#### **Power**

- internal Nimh rechargeable battery
- USB connection, also used for charging internal battery

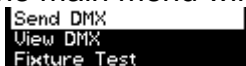
#### **Operation**

First switch of the unit by pressing the ON button (on the top)



The start-up screen will show the current software version.

Next the main menu will slide in



This menu will show the functions. Use the side encoder or + / - to select the operation and press the enter key (E) or the side encoder.

Functions are:

- Send DMX
- View DMX
- Fixture Test
- RDM control
- Show Playback
- Show Recording
- Cable Test
- Dipswitch
- Options

Function key (F), has 2 operating functions. it either will return to the previous menu level, or will bring on a pop up menu. The pop up menu will feature a Exit function by pressing 0.

## Send DMX



Send DMX  
1+6>5@5

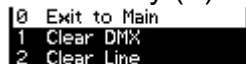
Use the keypad to select channels or groups of channels.

Examples:

1 Enter	channel 1 at full
2 @ 5 Enter	channel 5 at 50%
+10 Enter	add channel 10 at full to the current scene
1>4 Enter	channel 1 thru 4 at full

Press the side encoder to select it's function, either channel mode or level mode

The functions key (F) will bring up the pop up menu



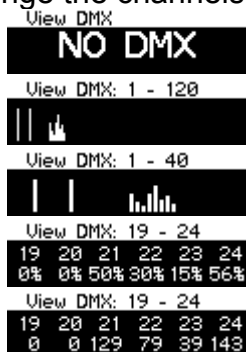
0 Exit to Main  
1 Clear DMX  
2 Clear Line

In this menu you can:

- clear the DMX output
- clear the command line
- recall a memory
- store a memory
- set DMX merge
- set DMX options

## View DMX

The view DMX menu will show the dmx values from the DMX input. use the encoder to change the channels or by typing in the number



View DMX  
NO DMX  
View DMX: 1 - 120  
View DMX: 1 - 40  
View DMX: 19 - 24  
19 20 21 22 23 24  
0% 0% 50% 30% 15% 56%  
View DMX: 19 - 24  
19 20 21 22 23 24  
0 0 129 79 39 143

no DMX or error

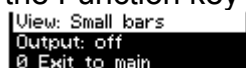
120 channels in 1 screen

40 channels in 1 screen

6 channels in percentage

6 channels in decimal

Press the Function key for the pop up menu



View: Small bars  
Output: off  
0 Exit to main

In this menu you can:

- change the view mode

set the DMX output function, to off / resend or trigger (for connecting a scope)  
 exit to main menu  
 view all DMX line timing and voltages

### Fixture Test



The fixture test menu will enable you to select a fixture from the library and test the parameters or run macro's. The start address and number of fixtures can be selected.

Select the parameters menu item to change the values of the fixture channels.



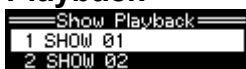
Press the encoder (or enter) to select a parameter and use the encoder, +/- or digits to set the value. Press @ to set the parameter at the default value.

The macro menu will show all available DMX macros.



Select the macro and press enter to execute it.

### Show Playback



Select the stores show and press enter



Press 1 to start, 2 to loop and 3 to hold.

To exit press F, the playback must be in hold.

### Show Record



Select the new show to record and then select "Start Recording"



Press 1 to start the recording

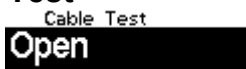


The unit will now wait for a DMX change to start the recording, or press 1 to start the recording anyhow



Press 2 to hold the recording and then F to exit and save the recording.

### Cable Test



No cable



Cable OK

## Dipswitch Calculator

Addr:	<input type="checkbox"/>										
20	1	2	3	4	5	6	7	8	9	10	
Step:	1	Offset:		0							

Set the address via the encoder or digits. The + and - will add or subtract the number set in the "step" value. Press Enter to select the next field.

The offset is used to set the values for channel 1. On some address settings, the address 0 would be channel 1.