

# ***miniSTORE***

512 channel DMX recorder playback

## **Users Manual**

Software version: 2.0



## miniSTORE

The miniSTORE is a smaller and simpler version of the showSTORE, using solid state non volatile memory for storage. The ministore is limited in memory capacity. Therefore a compression is used during recording. The intended application of the product is to record and playback a single small show with a few fixtures, scanners or moving heads for shop windows, product displays etc.

### Setup

On the back panel there are 4 dip switches with the following preset functions:

Dipswitch 1 and 2 are used for setting number of channels and the framerate:

1	2	Frames/sec:
↑	↑	40
↓	↑	33
↑	↓	25
↓	↓	12

A show with 12 moving lights with constant fading on 16-bit pan/tilt, CMY and dimmer will record up to 6 minutes (@ 40fps).

A show with just a few changes might record up to hours.

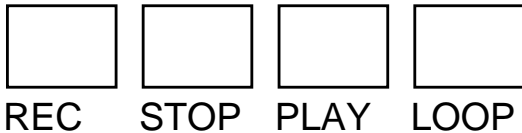
Dipswitch 3 and 4 are used for setting the mode of operation according to the table below

3	4	Function:
↑	↑	Normal record/play mode
↓	↑	Play only mode, recording inhibited
↑	↓	Contact play, no front panel control
↓	↓	Start up in LOOP, no front panel control

## Operation

The user interface consists of 4 illuminated momentary pushbuttons, located on the front panel.

They are labeled: **REC, STOP, PLAY and LOOP.**



## Record

Puts the device in RECORD READY, waiting for a DMX change to start recording. This state is indicated by blinking of the RECORD led. Depressing STOP will cancel the RECORD READY status.

Pressing RECORD the second time before a DMX change starts recording anyhow. The RECORDING status is shown by full illumination of the RECORD led.

Depressing STOP will give a RECORD PAUSE condition, indicated by an illuminated RECORD led and a blinking STOP led. From here on one can go on with recording via RECORD, again waiting for a DMX change or depressing RECORD again or stop by pressing STOP for the second time.

The DMX signal to be recorded has to be applied to the DMX IN connector. In RECORD READY and RECORD this signal is looped through to the DMX OUT connector without termination. In all other states the input signal is terminated.

## Play

Starts playing the show, indicated by illuminating the LED in the PLAY button. At the end, the unit comes in STOP.

## Stop

Using this button the first time in RECORD status puts the unit in PAUSE, a second push in STOP. In PLAY and LOOP the

playback halts, leaving the DMX signal as it was at the moment of STOP.

## **Loop**

Plays the show in repeat, starting again after finishing. The STOP function is as in PLAY. From PLAY one can change over to LOOP by depressing the LOOP button and back to PLAY again via PLAY. In this case the show will play till the end and stop then.

## **Record Inhibit (Play Only)**

To protect the unit from re-recording a file by non qualified people the **miniSTORE** can be set to a safe mode via the dip switches at the back: 3 to ↓ and 4 to ↑. In this case only the PLAY, LOOP and STOP buttons are available.

## **Control by external contact closure**

Instead of using the buttons at the front the **miniSTORE** can also be put into PLAY by an external contact. This setting can be made via the dip switches: 3 to ↑ and 4 to ↓. In this mode the front panel controls are inactive, so only change over to this mode in a STOP status. An external switch has to be connected to the DMX IN XLR between pins 2 and 1 or 3 and 1. Closing this contact momentary puts the **miniSTORE** in PLAY, indicated by the PLAY led. The show plays till the end and comes in STOP.

## **Automatic Play/Loop**

To have the **miniSTORE** constantly playing the show in LOOP after power on, dip switches 3 and 4 have to be set: 3 to ↓ and 4 to ↓. Now the show is repeated as long as the unit is switched on and the front panel controls are not active.

## **General Information**

### ***CE – Product***

The miniSTORE permits to the CE requirements set-up by the European Community. This can be recognized by this label on the outside of the product.



### ***Technical Specifications:***

DMX INPUT: XLR 5 pin male, optional 3 pin.  
DMX OUTPUT: XLR 5 pin female, optional 3 pin  
Termination: 120 Ohm in all modes except RECORD and RECORD READY when the input is looped through to DMX OUT.  
External switch: momentary contact from DMX IN pin 2 or 3 to GND (pin 1)  
Memory: 512kB static RAM with battery power.  
Battery: NiMH battery 70 mAh with trickle charge. Hold time > 120 days  
Power supply: 115/230 Volt AC, < 3VA. Changing the voltage is internal on the PCB.  
No fuses, protection is done via a PTC resistor.  
Dimensions: 200 mm. W x 150 mm. D x 44 mm. H  
Weight: 1,4 kg

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***ELC lighting***

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