

Application Notes for 20010131.mem

20010131.mem is a programmed light show for the 2518 DMX controller and any configuration of the fixtures listed below. It runs on Martin 2518 DMX Controllers with CPU firmware v 2.1 or later.

Supported fixtures

- 8 pieces Martin MX-4
- 1 piece Martin Acrobat

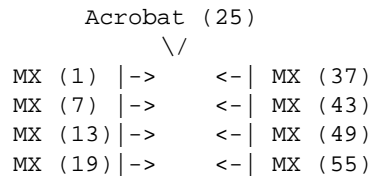
Software installation

2518 show (*.mem) files are transferred from a Windows 9x PC to the 2518 using a serial connection and a free utility that is available from the Service and Support area of the Martin web site at <http://www.martin.dk>. To install the show file:

- 1 Download 20010131.mem to a Windows 9x PC.
- 2 Download and install 2518Tool_21.exe.
- 3 Connect the controller to the computer serial port with an RS-232 cable wired straight through.
- 4 Open the utility. To configure the COM port setting, click Setup. In the 2518 Setting window, select the computer serial (COM) port. Click OK.
- 5 Click Load memory and retrieve 20010131.mem from the download location.
- 6 Click the upload button. Click yes in the confirmation dialog continue or no to cancel. A status display shows the upload progress. The controller may be disconnected from the computer when the upload is finished.

Fixture configuration

- 1 Set up all fixtures in 6-channel DMX mode as described in the user manual.
- 2 Rig the MX-4s in two rows with the mirrors up, facing in the direction shown below. Rig the Acrobat in a convenient location.
- 3 Set each fixture to the DMX address shown in parenthesis below.



The DIP-switch settings are as follows. 1 means ON and 0 means OFF:

Fixture type (address)	Pin Number											
	1	2	3	4	5	6	7	8	9	10	11	12
MX-4 (1)	1	0	0	0	0	0	0	0	0	0	0	0/1
MX-4 (7)	1	1	1	0	0	0	0	0	0	0	0	0/1
MX-4 (13)	1	0	1	1	0	0	0	0	0	0	0	0/1
MX-4 (19)	1	1	0	0	1	0	0	0	0	0	0	0/1
MX-4 (37)	1	0	1	0	0	1	0	0	0	0	0	0/1
MX-4 (43)	1	1	0	1	0	1	0	0	0	0	0	0/1
MX-4 (49)	1	0	0	0	1	1	0	0	0	0	0	0/1
MX-4 (55)	1	1	1	0	1	1	0	0	0	0	0	0/1
Acrobat (25)	1	0	0	1	1	0	0	0	0	0	0	0/1





- 4 Connect the serial data link as described in the user manual. Remember to terminate the last fixture in the link.

Operation

The show is divided into 3 sets of 10 banks with different characteristics. Banks 1-10 are slow and gentle, banks 11-20 are faster and more dynamic, and banks 21-30 are the fastest and most dynamic. Using Show Mode, you can easily switch between the 3 sets of banks to fit the lighting to the music.

The basic procedure for Show Mode operation is given here. See the 2518 user manual for additional details and options.

- 1 To set show mode, press and hold both arrow buttons until the bank display shows one or more horizontal bars.
- 2 Press the up or down arrow button to select the set of banks to execute. Sets are indicated by bars as shown to right and can be changed during execution.
- 3 Press a scene button to select 1-6 loops. The number is displayed by the scene digit and can also be changed during execution.
- 4 Select a trigger to start program execution.
- 5 To strobe the lights, press the MIDI button (flash scene).
- 6 To vary the action, access some or all of the MX-4s and adjust the pan/tilt speed with fader no. 6.
- 7 To exit show mode, press and hold both arrow buttons.

Banks	Bar(s)
1-10	
11-20	
21-30	
1-30	

Write protection

Locking a program in memory turns the 2518 DMX Controller into an easy-to-use playback controller with manual override. To lock or unlock the memory:

- 1 Turn off the controller.
- 2 Press and hold the fourth and sixth *channel* buttons (not scene buttons) while turning on the controller. Hold until "LO" is displayed.
- 3 Repeat steps 1 and 2 to unlock the memory. "OF" is displayed when the memory is unlocked.