



CONTROL SYSTEMS



Expansion Wing for the MantraLite User Manual

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1.1 Overview

The Mantra Wing is an accessory for the Mantra Lite lighting console. It can only be operated when it is connected to a Mantra Lite console.

- A Mantra Lite console can control up to 24 lighting fixtures with 10 playbacks (with 10 pages of memory) and has a single DMX512 universe output
- Connecting a Mantra Wing provides control of an additional 12 lighting fixtures (25-36) and a further 10 playbacks (11-20) (with 10 pages of memory) as well as a second DMX512 universe (U2) output
- Connecting a second Mantra Wing provides control of an additional 12 fixtures (37-48) and a further 10 playbacks (21-30) (with 10 pages of memory) as well as a third DMX512 universe (U3) output

1.2 Before You Plug In Your New Wing!

Your new Mantra Wing will only operate if your Mantra Lite is running software version 1.2 or higher. To see which version your Mantra Lite is running, on the touch screen select **Tools/Setup/About**. If this version number is not 1.20 or higher you will need to update your Mantra Lite software.

1.3 Mantra Lite Software Update

On the internet navigate to <http://www.bitly.com/MantraFW>. and download the latest version of Mantra Software. Save the downloaded file to a USB stick then insert the stick into your Mantra Lite. From the touch screen's home page select **Tools/Setup/Update Firmware**.

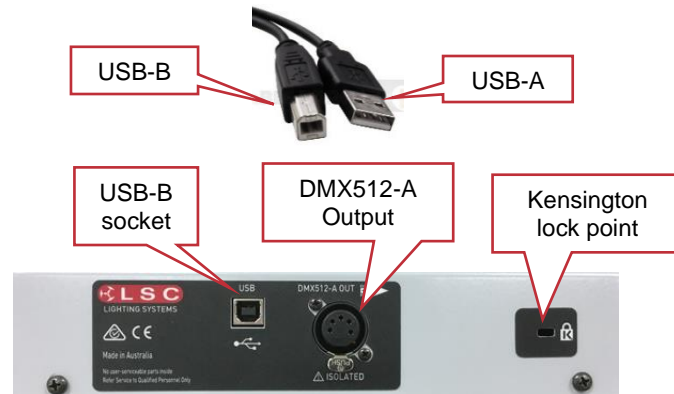
Follow the instruction to update your Mantra Lite to the latest version. After you have done the update check the "About" page again to make sure it is installed properly. Now plug in your new wing as described below. When a wing is connected, the "About" Page on the Mantra Lite shows the Wing Software details. If you can see this then the Mantra Lite has recognised your Wing and you are good to go.

1.4 Getting Connected

Mantra Wings are connected to the Mantra Lite console by a USB A-B cable (supplied). A maximum of 2 Mantra Wings can be connected to a Mantra Lite console.



Mantra Lite Rear Panel



Mantra Wing Rear Panel

Fixtures can be patched to the DMX512-A output in the Mantra Lites patch screen.

1.5 Front Panel

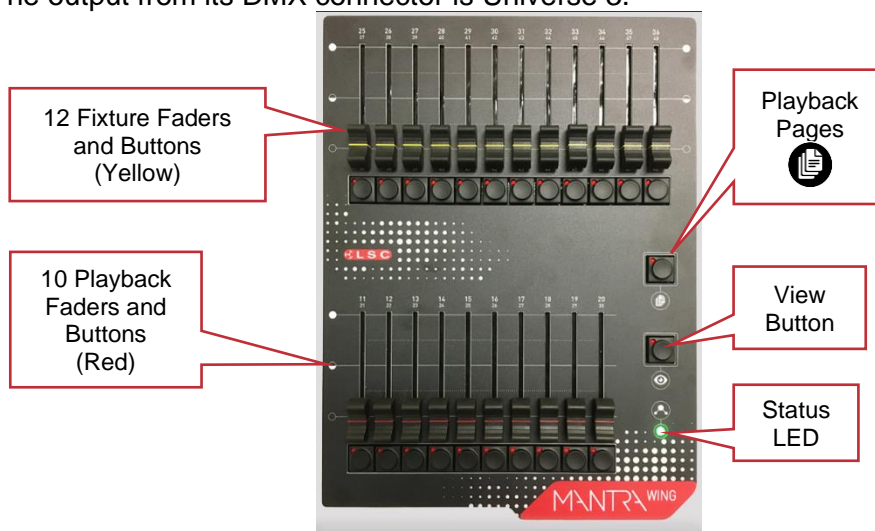
1.5.1 Status LED

When a single wing is connected the Mantra Lite console the wings "Status" LED turns **Green**. A **Green** status light indicates,

- Yellow faders/buttons control fixtures 25-36.
- Red faders/buttons control playbacks 11-20.
- The output from its DMX connector is Universe 2.

When a second wing is connected the Mantra Lite console that wings "Status" LED turns **Blue**. A **Blue** status light indicates,

- Yellow faders/buttons control fixtures 37-48.
- Red faders/buttons control playbacks 21-30.
- The output from its DMX connector is Universe 3.



If the console has had two wings connected it remembers the wing assignments (Green or Blue) when the console is switched off. If the console is switched on with the two wings already connected it will keep the original assignments.

If the console is switched on without any wings connected it will assign **Green** status to the first wing to be connected.

1.5.2 Faders/Buttons

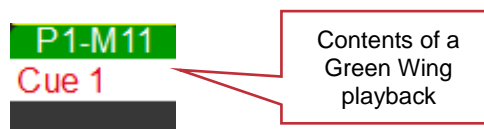
The operation of the yellow fixture faders/buttons and the red playback faders/buttons are the same as on the Mantra Lite console. Refer to the Mantra Lite Quick Start Guide and Mantra Lite User Manual for descriptions of their operations.

1.5.3 View Button

When you have recorded a cue(s) on any of the wing’s red playbacks you can see the contents of the playbacks on the Mantra Lites touch screen.

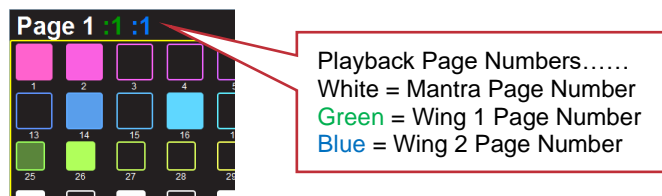
Press and hold the “View” button to momentarily view.

Double tap “View” to latch the display. Single tap to release.



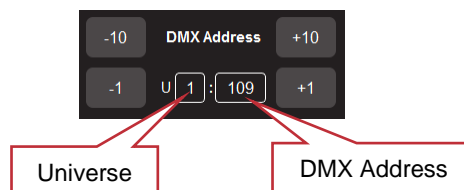
1.5.4 Page Button

The “Page” button changes the memory pages for red playbacks of the wing. The current page number for each wing is shown at the top of the “Home” page on the Mantra Lite console.



1.6 DMX Universes

Fixtures are patched to DMX universes via the Mantra Lite “Patch” screen. If the DMX address is incremented above 512 the universe automatically increments to the next universe. Alternately you can touch in the universe pane and enter a universe number using the pop-up keyboard. The DMX output connector on wing 1 (green) is connected to U2 in the Mantra Lite patch. The DMX output connector on wing 2 (blue) is connected to U3 in the Mantra Lite patch.



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