

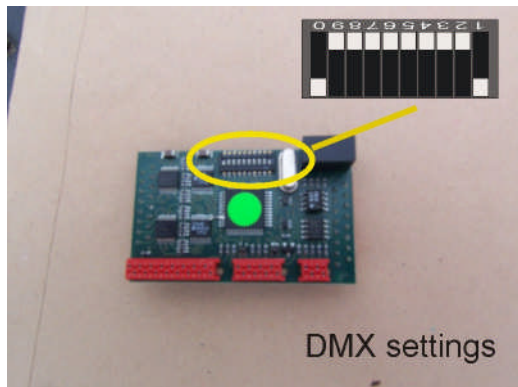
FB3 Console Manual

Designed specifically for any laser projector using the Pangolin Flashback (FB3 card)

The console will allow selection and storing of effects already held on the flashback module. It is for the user to fully or partially populate the memory of the flashback module using the supplied software utility provided by Pangolin with the card.

The console allows all of the Flashbacks parameters to be controlled and stored to the Page and scene presets. The modifier keys allow editing of the following parameters: Size, Position, Angle Zoom, Colour, Fade, Page, Scene, Animation speed, Points visible and Scan Speed.

Once these parameters are changed they can be stored to any one of the 432 Preset keys i.e. 9 pages of 48 scenes.



The console is preset to use DMX channels 1 to 16. It is important to ensure the dip switches on the flashback modules are also configured for this address range.

Blackout:

Pressing this key toggles between laser projection and black out. If the LCD displays the word black-out no projection will take place.

Size Selecting size allows the user to change the image size in both x and y directions. The four grey buttons allow the size to be increased and decreased in both directions. The projection may be inverted by decreasing the size below zero and into a minus value.

Position Selecting position allows the user to change the image position in both x and y directions. The four grey buttons allow the position to be moved up / down / left and right.

Angle Selecting angle allows the user to rotate the image. The two grey buttons allow the angle to be rotated clockwise and anti-clockwise.

Zoom Selecting zoom allows the user to increase both the x and y size of the image at the same time. The two grey buttons allow the size to be increase or decreased.

Colour Selecting colour allows the user to sweep through a range of colours for the selected effect. The two grey buttons allow the colour to be stepped forwards or backwards.

Fade Selecting fade allows the user to brighten or darken the selected effect. The two grey buttons allow the intensity to be increased or decreased.

Page Selecting page allows the user to step through the 9 pages of the flashback memory card to choose a particular effect. The two grey buttons allow the page number to be increased or decreased.

Scene Selecting Scene allows the user to step through the 48 scenes of the flashback memory card to choose a particular effect. The two grey buttons allow the page number to be increased or decreased.

Animation Mode Reserved for future release if implemented by Pangolin.

Animation Speed Selecting Animation speed allows the user to change the speed of a currently running animation. The two grey buttons allow the speed to be increased or decreased. The animation may also be paused.

Points Selecting points allows the user to change the number of visible points displayed in an image. The two grey buttons allow the visible points to be increased or decreased.

Scan Speed Selecting scan speed allows the user to change the rate at which the scan is projected the range is from 6k to 30k. The two grey buttons allow the scan speed to be increased or decreased.

Store The store key allows the user to store the modified effect on one of the 9 page keys and one of the 48 scene keys. To store an effect modify the parameter(s) you wish to change select the page you wish to write it to hold down the store key then press the scene number where you wish the effect to be placed.

Chase Reserved for future release by Laser Technology.