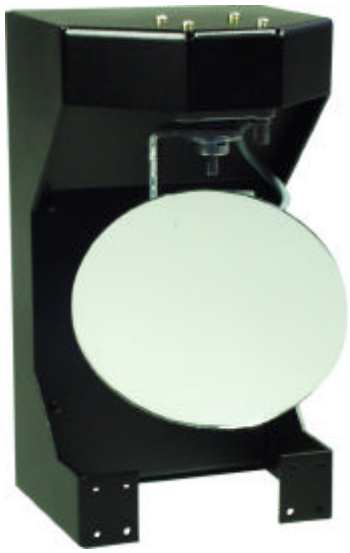
Technical Information

Robolas DMX mirror-head



Because of its sophisticated concept, the Robolas DMX mirror-head can be set up in a discotheque environment as well as a stand alone unit in a shopping window.

The Multi-talent:

The RoboLas mirror-head comprises two DMX devices in one unit: The mirror-head and the controller.

High Quality hybrid stepping-motors ensure a smooth and uniform drive of the mirror. The mirror diameter of 110mm allows the Robolas to reflect laser light as well as conventional light.

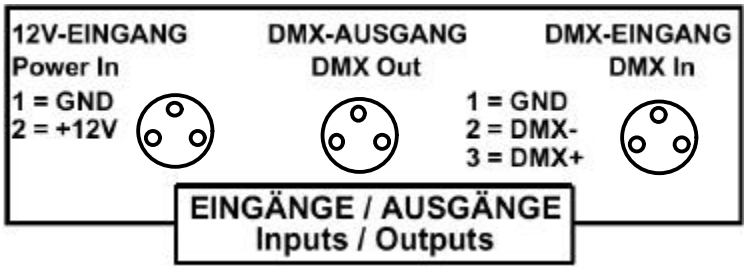
The pan and tilt movement of the laser mirror is controlled by an external DMX 512 signal or the internal controller. This internal controller is capable to control the movement and speed of up to 20 steps.

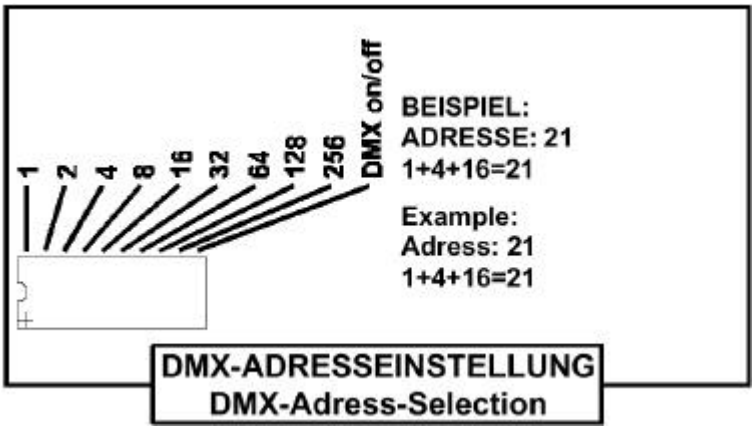
Use a standard 12VDC Power supply that provides 1-1.5 amps.

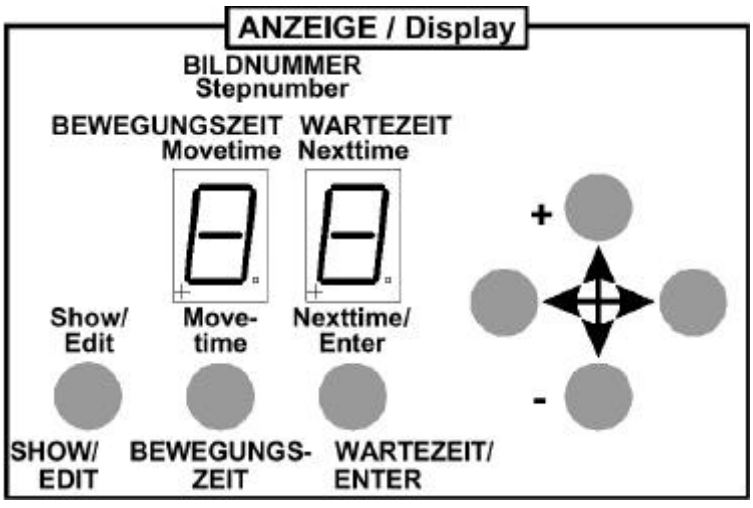
Specification:

DMX Channels	1: Pan 2: Tilt 3: 6bit parallel 4: Laser On/Off
Mirror	Coated Mirror, High Refl. 400nm-700nm
Mirror size	round, Ø 110mm
Robolas dimensions (HxWxD)	210mm x 116mm x 120mm
Robolas weight	Approx. 1,2 kg with mirror
Required Power Supply (optional):	
Voltage	12V DC
Current	1 -1,5A

Programming the internal controller :





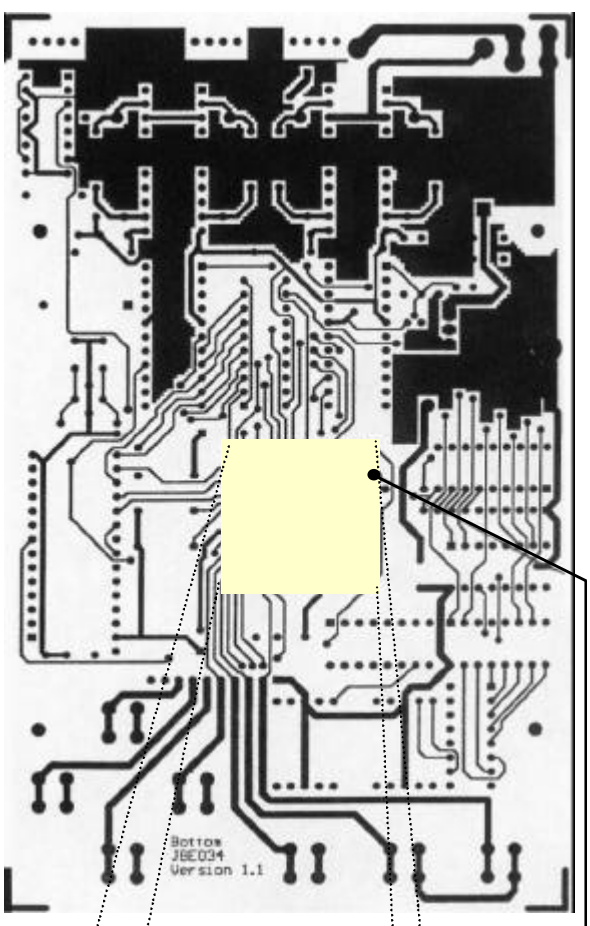


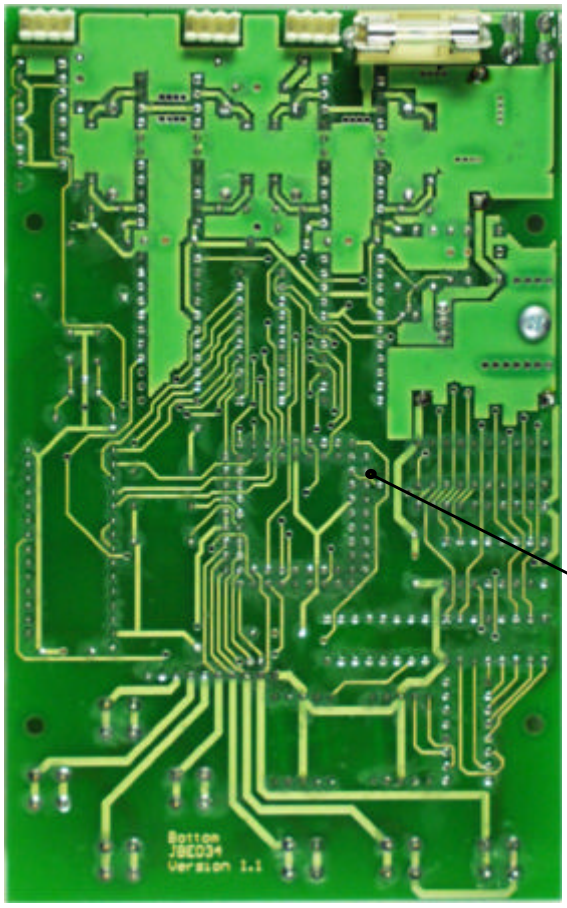
- Press “Show/Edit”
- Select the X and Y-coordinates of this scene with the arrow -keys.
- Press "Enter " to enter the next step.
- Select X and Y again with the arrow-keys.
- To finish programming change to "run"-mode by pressing "show/edit".
- The speed of the mirror movement is controlled with "Move time". Press the "Move time" key and set the speed with the arrow-keys.

  0 = Slow
  9 = Fast
- Confirm by pressing "Move time" again.
- Change the pause-time between steps with the "Next time" key.
- Choose a value between 0 - 9.
- Confirm by pressing "Next time" again.
- Your programming can be deleted by pressing "Show/edit" again.

That´s it!

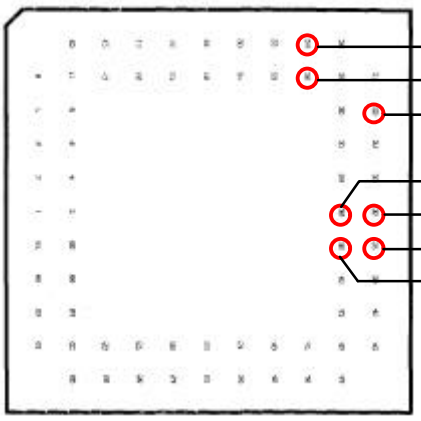
How to access the DMX Channels 3 and 4
DMX Channel 3: (6bit parallel)
DMX Channel 4: Laser On/Off





Connection pin for LaserDiode (Channel 4)

Controller Element
Zoom-In



Pin 24 Parallel Bit 6
Pin 25 Parallel Bit 5
Laser On/Off

Pin 36 Parallel Bit 3
Pin 35 Parallel Bit 4
Pin 37 Parallel Bit 2
Pin 38 Parallel Bit 1