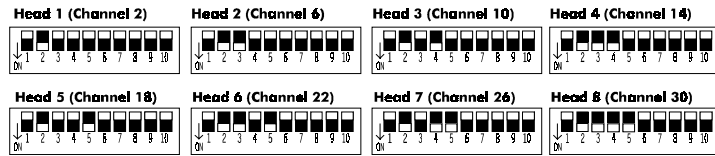


Dip switch settings for 4 channel controllers



Maintenance

Keep the lens clean using a soft damp cloth.

Regularly remove dust and fluff from the fan cooling vents or the unit may overheat.

To replace the lamp, first disconnect the mains power and wait for the unit to cool if it has been running. Remove the panel under the lens. Remove the old lamp by sliding it out of the metal clip. Pull the connector off the lamp pins. Plug onto the new lamp and refit into clip. Replace cover.

Lamp type A1-259 (24V, 250W)



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The Twister4 HP is the first in a range of Abstract "HP" products. This sheet gives you a quick guide to how it works.

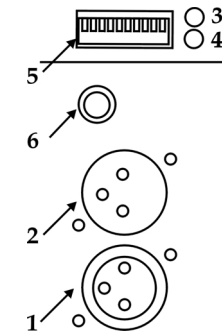
Setting the unit up

These controls and connectors are located on the end of the unit opposite to the output lens.

- 1: (socket) DMX output or link through. Plug "slave" units in here.
- 2: (plug) DMX input, for a DMX desk or if this is a slave unit in a stand alone system. Note: Pin 2 is "hot data"
- 3: Power On indicator (red)
- 4: DMX received, or Sound Beat indicator (green)
- 5: DMX address or Sound Option dip switches
- 6: Microphone

There is a rocker switch next to the mains input on the rear of the unit which dims the lamp slightly to extend lamp life.

Connect 240V mains to the IEC mains power input. When you connect power the unit will go through a short setup routine, and will then begin to produce a lightshow to sound, or if DMX is connected, will respond to the DMX input.



Focus the beam output by loosening the two screws on the top of the case and sliding the lens back or forward.

Stand alone mode

The Twister4 HP has an advanced stand alone light show featuring BPM sensing and product group controls. If no DMX is connected, the unit will automatically work in stand alone mode. If you connect other Abstract units to the DMX output, they will

TWISTER4 HP

automatically slave to this unit. See note below if you are using this unit as a slave with another type of unit as master.

Switch settings for stand alone mode

If this unit is the Master (green light flashing in time with the music):
Switch I0 OFF: No blackouts in the light show
Switch I0 ON: Blackouts and blackout swapping allowed in light show

If this unit is a Slave (green light on continuously):
Switch I0 OFF: Slave will copy Master unit
Switch I0 ON: Slave will do alternate actions to Master unit

In both Master and Slave modes:
Switch I OFF: Normal dish rotation
Switch I ON: Inverted dish rotation

Using this unit as a slave

If you are using the Twister4 HP with earlier Abstract products such as the old Twister 4 or the Futurescan ICE, you must put the Twister4 HP first in the DMX chain so that it becomes the Master (green light flashing in time with the music).

If the Twister4 HP is connected as a slave unit with an earlier product as Master, it will not respond to the light show.

If you are using the Twister4 HP with a CE Minicontroller, the software in the minicontroller must be upgraded to the new light show, or the Twister4 HP will not respond. Contact Abstract for upgrade information.

DMX controlled mode

The Twister4 HP uses 3 dmx channels:

Channel 1 = Dish rotation
Channel 2 = Colour
Channel 3 = Shutter

If all DMX channels are zero for more than 10 seconds, the unit will turn off its lamp to save lamp life.

You can reinitialise the unit by turning all DMX channels to full value for 10 seconds.

This unit uses DMX with pin-2 hot. You may need an inverter cable to use with a non-Abstract pin-3 hot system.

Rotation

DMX	Result
0	Stop
12	Fastest speed clockwise
112	Slowest speed clockwise
128	Stop
141	Slowest speed a.clockwise
244	Fastest speed a.clockwise
255	Stop

Combined colour / gobo

DMX	Colour / Gobo
0	Blackout (Twister 4 only)
10	White/open
26	Red/bars
43	Blue/cross
59	Green/breakup
75	Yellow/hoops
91	Cyan/4dot
108	Orange/windows
124	Magenta/maltese cross
140	Pink/splat
156	UV/fan

NB: Intermediate values will give mixed colours

Shutter

DMX	Shutter
0	Blackout
24	Open
226	Slow strobe
230	Strobe 2
234	Strobe 3
238	Strobe 4
242	Strobe 5
246	Strobe 6
250	Strobe 7
254	Fast strobe