

DMX CONTROL CHANNEL FUNCTIONS

The PILOT 300 uses 10 DMX channels. They are listed in the following table.

CHANNEL	DMX VALUE	DESCRIPTION
1 Gobo	0-33	Open / Clear (5-7 for 5 secs.) Soft reset – See Note
	34-66	(GLASS) GOBO 1
	67-99	(METAL) GOBO 2 (Stars)
	100-132	(GLASS) GOBO 3
	133-165	(METAL) GOBO 4 (Tri-ring)
	166-199	(GLASS) GOBO 5
	200-232	(METAL) GOBO 6 (Multi-circle)
	233-255	(GLASS) GOBO 7
2 Gobo rotation	0-8	Stop
	9-163	Orientation from 0° to 360°
	164-205	Rotate from slow to fast
	206-213	Stop
	214-255	Rotate in opposite direction from slow to fast
3 Colour	0-27	Open
	28-55	Red
	56-83	Yellow
	84-111	Orange
	112-139	Blue
	140-167	Light green
	168-195	Cyan
	196-223	Ultraviolet color
	224-251	Pink
	252-255	Green
4 Strobe/Shutter	0-13	Black-out
	14-195	Open gradually from black to full open (dimming)
	196-251	Strobe adjust from slow to fast
	252-255	Open
5 Pan	0-255	Pan movement from 0° to 370°
6 Tilt	0-255	Tilt movement from 0° to 265°
7 Focus	0-255	Stepless focus
8 Prism	0-31	Clear
	32-48	Prism static
	49-127	Prism Orientation
	128-189	Prism rotate from slow to fast
	190-193	Prism Static
	194-255	Prism rotate from slow to fast in opposite direction
9 Pan 16bit	0-255	16 Bit Pan resolution
10 Tilt 16bit	0-255	16 Bit Tilt resolution

NOTE

Soft Reset – If the DMX value sent on this channel (1) stays in the range from 5 to 7 for more than 5 seconds, the projector will start a reset sequence (Remote Requested Reset). The electronics are re-started and all motors moved to their home positions exactly as they do when the power is first switched on but the lamp is not switched off in this sequence, although the beam will be blacked out.

The channels 9 and 10 are only available when the Setup Option 6 is “ON”.

For the exact setting refer to “Setup Options” section.

STAND-ALONE MODES – MASTER / SLAVE

The projectors can operate without a controller. They can do this in one of 3 different ways. Stand-Alone Mode means automatic operation independent of other projectors and can either be automatic or triggered by music depending on the combination of Setup Options 4 and 5 that are selected.

The projectors can also operate synchronously with each other in Master/Slave mode. To do this they must be connected together as described above in the Control Connections section with the terminator inserted in the output of the last slave projector in the chain but, of course, without the controller. The same type of DMX cables must be used to connect the Master with the Slaves. The appropriate Setup Options must also be set. See the section on “Setup Options – Projector Configuration” for full details of the available combinations.

Select one projector as the Master, setting the DMX start address at random. Regard the other projectors as the slaves setting all DMX start addresses to “001”.

Never have more than ONE (1) projector configured as Master or the system will not work.