

# DMX Operation

## Channel Mapping

These tables assume a DMX start address of 1. When a different starting address is used, this address becomes channel 1 function and other functions follow in sequence. (There is only one DMX mode for this luminaire, which is Enhanced 16-bit Mode.)

**Table 3-1: Enhanced 16-Bit Mode - VL1100 TI/AI Models**

DMX Channel	Parameter	Range
1	Dimmer *	0-255
2	Hi Byte Pan	0-65535
3	Lo Byte Pan	0-65535
4	Hi Byte Tilt	0-65535
5	Lo Byte Tilt	0-65535
6	Edge	0-255
7	Zoom	0 (small) - 255 (big)
8	Diffusion	0 (open) - 255 (diffused)
9	Blue	0 (open) - 255 (full saturation)
10	Amber	0 (open) - 255 (full saturation)
11	Magenta	0 (open) - 255 (full saturation)
12	Rotating Gobo	0-127 index 128-255 rotate
13-14	Gobo Index	Index: 0-65535 Rotate: 0 (cw max) - 32535 (cw min) 32536-33031 (stop) 33032 (ccw min) - 65535 (ccw max)
15	Beam	0 (small) - 255 (open)
16	Focus Time	0-255
17	Color Time	0-255
18	Beam Time	0-255
19	Control	0-255

\* Dimmer refers to either an external dimmer for VL1100 TI models or an internal dimmer for VL1100 AI models. Regardless, this channel must be included for both profiles.

Table 3-2: Enhanced 16-Bit Mode - VL1100 TS/AS Models

DMX Channel	Parameter	Range
1	Dimmer *	0-255
2	Hi Byte Pan	0-65535
3	Lo Byte Pan	0-65535
4	Hi Byte Tilt	0-65535
5	Lo Byte Tilt	0-65535
6	Edge	0-255
7	Zoom	0 (small) - 255 (big)
8	Diffusion	0 (open) - 255 (diffused)
9	Blue	0 (open) - 255 (full saturation)
10	Amber	0 (open) - 255 (full saturation)
11	Magenta	0 (open) - 255 (full saturation)
12	Rotating Gobo	0-127 index 128-255 rotate
13-14	Gobo Index (13 = Hi Byte) (14 = Lo Byte)	Index: 0-65535 Rotate: 0 (cw max) - 32535 (cw min) 32536-33031 (stop) 33032 (ccw min) - 65535 (ccw max)
15	Frame 1A	0 (open) - 255 (closed)
16	Frame 1B	0 (open) - 255 (closed)
17	Frame 2A	0 (open) - 255 (closed)
18	Frame 2B	0 (open) - 255 (closed)
19	Frame 3A	0 (open) - 255 (closed)
20	Frame 3B	0 (open) - 255 (closed)
21	Frame 4A	0 (open) - 255 (closed)
22	Frame 4B	0 (open) - 255 (closed)
23	Rotate Frame	0-255 128 center
24	Focus Time	0-255
25	Color Time	0-255
26	Beam Time	0-255
27	Control	0-255

\* Dimmer refers to either an external dimmer for VL1100TS models or an internal dimmer for VL1100AS models. Regardless, this channel must be included for both profiles.