ADJ

Protege XM



Manufacturer	**ADJ**
Type	**Moving head**
DMX modes	**3**
DMX footprint	**29, 35, 43 channels**
Beam angle	**3.8-44°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**300 × 400 × 200 mm**
GDTF fixture type	**9E18F588-63EE-4011-B1A0-9A2…**

Controls

Focus · Frost · Prism · Prism rotation · Zoom · CMY colour mixing · Colour wheel · Strobe · Dimmer · Pan and tilt · Movement speed · Animation wheel · Gobos · Gobo rotation

DMX modes

Basic	29 ch
Standard	35 ch
Extended	43 ch

Basic

29 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	127	
3	Pan Rotate	0	0–6 No fuction 7–130 CW from slow to fast 131–255 CCW from slow to fast
4	Cyan	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
5	Magenta	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
6	Yellow	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
7	Color Wheel	0	0–5 Open (wheel slot 1) 6–11 Open / Red (wheel slot 1) 12–17 Red (wheel slot 2) 18–23 Red / Blue (wheel slot 2) 24–29 Blue (wheel slot 3) 30–35 Blue / Green (wheel slot 3) 36–41 Green (wheel slot 4) 42–47 Green / Orange (wheel slot 4) 48–53 Orange (wheel slot 5) 54–59 Orange / Quad Color 1 (wheel slot 5) 60–65 Quad Color 1 (wheel slot 6) 66–71 Quad Color 1 / Lime (wheel slot 6) 72–77 Lime (wheel slot 7) 78–83 Lime / Amber (wheel slot 7) 84–89 Amber (wheel slot 8) 90–95 Amber / High CRI (wheel slot 8) 96–101 High CRI (wheel slot 9) 102–107 High CRI / Congo Blue (wheel slot 9) 108–113 Congo Blue (wheel slot 10) 114–119 Congo Blue / Open (wheel slot 10) 120–185 CW Rotation Fast to Slow 186–189 No Rot 190–255 CCW Slow to Fast

Basic (continued)

Ch	Function	Default	DMX values
8	Color Wheel 2	0	0–5 Open (wheel slot 1) 6–11 Open / Dark Red (wheel slot 1) 12–17 Dark Red (wheel slot 2) 18–23 Dark Red / Midnight Blue (wheel slot 2) 24–29 Midnight Blue (wheel slot 3) 30–35 Midnight Blue / Light Turquioise (wheel slot 3) 36–41 Light Turquioise (wheel slot 4) 42–47 Light Turquioise / Pink (wheel slot 4) 48–53 Pink (wheel slot 5) 54–59 Pink / UV (wheel slot 5) 60–65 UV (wheel slot 6) 66–71 UV / Quad Color 2 (wheel slot 6) 72–77 Quad Color 2 (wheel slot 7) 78–83 Quad Color 2 / Lavender (wheel slot 7) 84–89 Lavender (wheel slot 8) 90–95 Lavender / CTO (2700K) (wheel slot 8) 96–101 CTO (2700K) (wheel slot 9) 102–107 CTO / CTC Filter (wheel slot 9) 108–113 CTC Filter (wheel slot 10) 114–119 CTC Filter / Open (wheel slot 10) 120–185 CW Rotation Fast to Slow 186–189 No Rot 190–255 CCW Slow to Fast
9	Gobo	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–79 Gobo 7 (wheel slot 8) 80–94 Gobo 1 (wheel slot 2) 95–109 Gobo 2 (wheel slot 3) 110–124 Gobo 3 (wheel slot 4) 125–139 Gobo 4 (wheel slot 5) 140–154 Gobo 5 (wheel slot 6) 155–169 Gobo 6 (wheel slot 7) 170–189 Gobo 7 (wheel slot 8) 190–221 CW Fast to Slow 222–223 Stop 224–255 CCW Slow to Fast
10	Gobo Rotation	0	0–127 Gobo Indexing 0 to 540 128–189 CW Fast to Slow 190–193 No Rotation 194–255 CCW Slow to Fast

Basic (continued)

Ch	Function	Default	DMX values
11	Gobo 2	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–79 Gobo 7 (wheel slot 8) 80–94 Gobo 1 (wheel slot 2) 95–109 Gobo 2 (wheel slot 3) 110–124 Gobo 3 (wheel slot 4) 125–139 Gobo 4 (wheel slot 5) 140–154 Gobo 5 (wheel slot 6) 155–169 Gobo 6 (wheel slot 7) 170–189 Gobo 7 (wheel slot 8) 190–221 CW Fast to Slow 222–223 Stop 224–255 CCW Slow to Fast
12	Gobo Rotation 2	0	0–127 Gobo Indexing 0 to 540 128–189 CW Fast to Slow 190–193 No Rotation 194–255 CCW Slow to Fast
13	Shutter / Strobe	50	0–31 Shutter Closed 32–63 Shutter Open 64–95 Strobe Effect Slow to Fast 96–127 No Function (Shutter Open) 128–159 Pulse-Effect in Sequences 160–191 Shutter Open 192–223 Random Strobe Effect Slow to Fast 224–255 Shutter Open
14	Dimmer	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
15	Prism	0	0–31 No Effect (wheel slot 1) 32–255 Prism 1 (wheel slot 2)
16	Prism Rotation	0	0–127 Prism Indexing 0 to 540 128–189 CW Fast to Slow 190–193 No Rotation 194–255 CCW Slow to Fast
17	Prism	0	0–31 No Effect (wheel slot 1) 32–255 Prism 2 (wheel slot 2)
18	Prism Rotation	0	0–127 Prism Indexing 0 to 540 128–189 CW Fast to Slow 190–193 No Rotation 194–255 CCW Slow to Fast

Basic (continued)

Ch	Function	Default	DMX values
19	Prism	0	0–9 No Prism Open 10–19 Color Macro 1 20–29 Color Macro 2 30–39 Color Macro 3 40–49 Color Macro 4 50–59 Color Macro 5 60–69 Color Macro 6 70–79 Color Macro 7 80–89 Color Macro 8 90–99 Color Macro 9 100–109 Color Macro 10 110–119 Color Macro 11 120–129 Color Macro 12 130–139 Color Macro 13 140–149 Color Macro 14 150–159 Color Macro 15 160–169 Color Macro 16 170–179 Color Macro 17 180–189 Color Macro 18 190–199 Color Macro 19 200–209 Color Macro 20 210–219 Color Macro 21 220–229 Color Macro 22 230–239 Color Macro 23 240–255 Color Macro 24
20	Focus	127	
21	Zoom	127	
22	Frost1	0	
23	Frost2	0	
24	Animation Wheel1	0	0–19 No function 20–127 Enter in proportion 128–170 All on - all in - all out (fast - slow) 171–213 Half open - full access - half open (fast - slow) 214–255 Half open - all out - half open (fast - slow)
25	Animation Wheel1Pos Rotate	0	0–0 No function 1–127 CW fast to slow 128–128 Stop 129–255 CCW slow to fast

Basic (continued)

Ch	Function	Default	DMX values
26	Dimmer Mode	0	0–20 Default to unit setting 21–40 Standard 41–60 Stage 61–80 TV 81–100 Architectural 101–120 Theatre 121–140 Stage 2 141–141 0/1s Delay 142–142 0/2s Delay 143–143 0/3s Delay 144–144 0/4s Delay 145–145 0/5s Delay 146–146 0/6s Delay 147–147 0/7s Delay 148–148 0/8s Delay 149–149 0/9s Delay 150–150 1s Delay 151–151 1/5s Delay 152–152 2s Delay 153–153 3s Delay 154–154 4s Delay 155–155 5s Delay 156–156 6s Delay 157–157 7s Delay 158–158 8s Delay 159–159 9s Delay 160–160 10s Delay 161–255 Default
27	Color Macro1Rate	0	
28	Position MSpeed	0	
29	Function	0	

Standard

35 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	127	
4	Tilt Fine	127	Fine byte of Tilt
5	Pan Rotate	0	0–6 No fuction 7–130 CW from slow to fast 131–255 CCW from slow to fast
6	Cyan	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
7	Magenta	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
8	Yellow	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %

Standard (continued)

Ch	Function	Default	DMX values
9	Color Wheel	0	0–5 Open (wheel slot 1) 6–11 Open / Red (wheel slot 1) 12–17 Red (wheel slot 2) 18–23 Red / Blue (wheel slot 2) 24–29 Blue (wheel slot 3) 30–35 Blue / Green (wheel slot 3) 36–41 Green (wheel slot 4) 42–47 Green / Orange (wheel slot 4) 48–53 Orange (wheel slot 5) 54–59 Orange / Quad Color 1 (wheel slot 5) 60–65 Quad Color 1 (wheel slot 6) 66–71 Quad Color 1 / Lime (wheel slot 6) 72–77 Lime (wheel slot 7) 78–83 Lime / Amber (wheel slot 7) 84–89 Amber (wheel slot 8) 90–95 Amber / High CRI (wheel slot 8) 96–101 High CRI (wheel slot 9) 102–107 High CRI / Congo Blue (wheel slot 9) 108–113 Congo Blue (wheel slot 10) 114–119 Congo Blue / Open (wheel slot 10) 120–185 CW Rotation Fast to Slow 186–189 No Rot 190–255 CCW Slow to Fast
10	Color Wheel 2	0	0–5 Open (wheel slot 1) 6–11 Open / Dark Red (wheel slot 1) 12–17 Dark Red (wheel slot 2) 18–23 Dark Red / Midnight Blue (wheel slot 2) 24–29 Midnight Blue (wheel slot 3) 30–35 Midnight Blue / Light Turquioise (wheel slot 3) 36–41 Light Turquioise (wheel slot 4) 42–47 Light Turquioise / Pink (wheel slot 4) 48–53 Pink (wheel slot 5) 54–59 Pink / UV (wheel slot 5) 60–65 UV (wheel slot 6) 66–71 UV / Quad Color 2 (wheel slot 6) 72–77 Quad Color 2 (wheel slot 7) 78–83 Quad Color 2 / Lavender (wheel slot 7) 84–89 Lavender (wheel slot 8) 90–95 Lavender / CTO (2700K) (wheel slot 8) 96–101 CTO (2700K) (wheel slot 9) 102–107 CTO / CTC Filter (wheel slot 9) 108–113 CTC Filter (wheel slot 10) 114–119 CTC Filter / Open (wheel slot 10) 120–185 CW Rotation Fast to Slow 186–189 No Rot 190–255 CCW Slow to Fast

Standard (continued)

Ch	Function	Default	DMX values
11	Color Macro1	0	0–31 Off 32–39 Color Macro 1 40–47 Color Macro 2 48–55 Color Macro 3 56–63 Color Macro 4 64–71 Color Macro 5 72–79 Color Macro 6 80–87 Color Macro 7 88–95 Color Macro 8 96–103 Color Macro 9 104–111 Color Macro 10 112–119 Color Macro 11 120–127 Color Macro 12 128–135 Color Macro 13 136–143 Color Macro 14 144–151 Color Macro 15 152–159 Color Macro 16 160–167 Color Macro 17 168–175 Color Macro 18 176–183 Color Macro 19 184–191 Color Macro 20 192–199 Color Macro 21 200–207 Color Macro 22 208–215 Color Macro 23 216–223 Color Macro 24 224–231 Color Macro 25 232–239 Color Macro 26 240–247 Color Macro 27 248–255 Random CMY
12	Gobo	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–79 Gobo 7 (wheel slot 8) 80–94 Gobo 1 (wheel slot 2) 95–109 Gobo 2 (wheel slot 3) 110–124 Gobo 3 (wheel slot 4) 125–139 Gobo 4 (wheel slot 5) 140–154 Gobo 5 (wheel slot 6) 155–169 Gobo 6 (wheel slot 7) 170–189 Gobo 7 (wheel slot 8) 190–221 CW Fast to Slow 222–223 Stop 224–255 CCW Slow to Fast
13	Gobo Rotation	0	0–127 Gobo Indexing 0 to 540 128–189 CW Fast to Slow 190–193 No Rotation 194–255 CCW Slow to Fast
14	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Standard (continued)

Ch	Function	Default	DMX values
15	Gobo 2	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–79 Gobo 7 (wheel slot 8) 80–94 Gobo 1 (wheel slot 2) 95–109 Gobo 2 (wheel slot 3) 110–124 Gobo 3 (wheel slot 4) 125–139 Gobo 4 (wheel slot 5) 140–154 Gobo 5 (wheel slot 6) 155–169 Gobo 6 (wheel slot 7) 170–189 Gobo 7 (wheel slot 8) 190–221 CW Fast to Slow 222–223 Stop 224–255 CCW Slow to Fast
16	Gobo Rotation 2	0	0–127 Gobo Indexing 0 to 540 128–189 CW Fast to Slow 190–193 No Rotation 194–255 CCW Slow to Fast
17	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2
18	Shutter / Strobe	50	0–31 Shutter Closed 32–63 Shutter Open 64–95 Strobe Effect Slow to Fast 96–127 No Function (Shutter Open) 128–159 Pulse-Effect in Sequences 160–191 Shutter Open 192–223 Random Strobe Effect Slow to Fast 224–255 Shutter Open
19	Dimmer	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
20	Prism	0	0–31 No Effect (wheel slot 1) 32–255 Prism 1 (wheel slot 2)
21	Prism Rotation	0	0–127 Prism Indexing 0 to 540 128–189 CW Fast to Slow 190–193 No Rotation 194–255 CCW Slow to Fast
22	Prism	0	0–31 No Effect (wheel slot 1) 32–255 Prism 2 (wheel slot 2)
23	Prism Rotation	0	0–127 Prism Indexing 0 to 540 128–189 CW Fast to Slow 190–193 No Rotation 194–255 CCW Slow to Fast

Standard (continued)

Ch	Function	Default	DMX values
24	Prism	0	0–9 No Prism Open 10–19 Color Macro 1 20–29 Color Macro 2 30–39 Color Macro 3 40–49 Color Macro 4 50–59 Color Macro 5 60–69 Color Macro 6 70–79 Color Macro 7 80–89 Color Macro 8 90–99 Color Macro 9 100–109 Color Macro 10 110–119 Color Macro 11 120–129 Color Macro 12 130–139 Color Macro 13 140–149 Color Macro 14 150–159 Color Macro 15 160–169 Color Macro 16 170–179 Color Macro 17 180–189 Color Macro 18 190–199 Color Macro 19 200–209 Color Macro 20 210–219 Color Macro 21 220–229 Color Macro 22 230–239 Color Macro 23 240–255 Color Macro 24
25	Focus	127	
26	Zoom	127	
27	Frost1	0	
28	Frost2	0	
29	Animation Wheel1	0	0–19 No function 20–127 Enter in proportion 128–170 All on - all in - all out (fast - slow) 171–213 Half open - full access - half open (fast - slow) 214–255 Half open - all out - half open (fast - slow)
30	Animation Wheel1Pos Rotate	0	0–0 No function 1–127 CW fast to slow 128–128 Stop 129–255 CCW slow to fast

Standard (continued)

Ch	Function	Default	DMX values
31	Dimmer Mode	0	0–20 Default to unit setting 21–40 Standard 41–60 Stage 61–80 TV 81–100 Architectural 101–120 Theatre 121–140 Stage 2 141–141 0/1s Delay 142–142 0/2s Delay 143–143 0/3s Delay 144–144 0/4s Delay 145–145 0/5s Delay 146–146 0/6s Delay 147–147 0/7s Delay 148–148 0/8s Delay 149–149 0/9s Delay 150–150 1s Delay 151–151 1/5s Delay 152–152 2s Delay 153–153 3s Delay 154–154 4s Delay 155–155 5s Delay 156–156 6s Delay 157–157 7s Delay 158–158 8s Delay 159–159 9s Delay 160–160 10s Delay 161–255 Default
32	Dimmer Curve	0	0–20 No Function 21–40 Linear 41–60 Square 61–80 Inv Squa 81–100 S Curve 101–255 No Function
33	Color Macro1Rate	0	
34	Position MSpeed	0	
35	Function	0	

Extended

43 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	127	
4	Tilt Fine	127	Fine byte of Tilt
5	Pan Rotate	0	0–6 No fuction 7–130 CW from slow to fast 131–255 CCW from slow to fast
6	Cyan	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
7	Cyan Fine	0	Fine byte of Cyan

Extended (continued)

Ch	Function	Default	DMX values
8	Magenta	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
9	Magenta Fine	0	Fine byte of Magenta
10	Yellow	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
11	Yellow Fine	0	Fine byte of Yellow
12	Color Wheel	0	0–5 Open (wheel slot 1) 6–11 Open / Red (wheel slot 1) 12–17 Red (wheel slot 2) 18–23 Red / Blue (wheel slot 2) 24–29 Blue (wheel slot 3) 30–35 Blue / Green (wheel slot 3) 36–41 Green (wheel slot 4) 42–47 Green / Orange (wheel slot 4) 48–53 Orange (wheel slot 5) 54–59 Orange / Quad Color 1 (wheel slot 5) 60–65 Quad Color 1 (wheel slot 6) 66–71 Quad Color 1 / Lime (wheel slot 6) 72–77 Lime (wheel slot 7) 78–83 Lime / Amber (wheel slot 7) 84–89 Amber (wheel slot 8) 90–95 Amber / High CRI (wheel slot 8) 96–101 High CRI (wheel slot 9) 102–107 High CRI / Congo Blue (wheel slot 9) 108–113 Congo Blue (wheel slot 10) 114–119 Congo Blue / Open (wheel slot 10) 120–185 CW Rotation Fast to Slow 186–189 No Rot 190–255 CCW Slow to Fast
13	Color Wheel 2	0	0–5 Open (wheel slot 1) 6–11 Open / Dark Red (wheel slot 1) 12–17 Dark Red (wheel slot 2) 18–23 Dark Red / Midnight Blue (wheel slot 2) 24–29 Midnight Blue (wheel slot 3) 30–35 Midnight Blue / Light Turquioise (wheel slot 3) 36–41 Light Turquioise (wheel slot 4) 42–47 Light Turquioise / Pink (wheel slot 4) 48–53 Pink (wheel slot 5) 54–59 Pink / UV (wheel slot 5) 60–65 UV (wheel slot 6) 66–71 UV / Quad Color 2 (wheel slot 6) 72–77 Quad Color 2 (wheel slot 7) 78–83 Quad Color 2 / Lavender (wheel slot 7) 84–89 Lavender (wheel slot 8) 90–95 Lavender / CTO (2700K) (wheel slot 8) 96–101 CTO (2700K) (wheel slot 9) 102–107 CTO / CTC Filter (wheel slot 9) 108–113 CTC Filter (wheel slot 10) 114–119 CTC Filter / Open (wheel slot 10) 120–185 CW Rotation Fast to Slow 186–189 No Rot 190–255 CCW Slow to Fast

Extended (continued)

Ch	Function	Default	DMX values
14	Color Macro1	0	0–31 Off 32–39 Color Macro 1 40–47 Color Macro 2 48–55 Color Macro 3 56–63 Color Macro 4 64–71 Color Macro 5 72–79 Color Macro 6 80–87 Color Macro 7 88–95 Color Macro 8 96–103 Color Macro 9 104–111 Color Macro 10 112–119 Color Macro 11 120–127 Color Macro 12 128–135 Color Macro 13 136–143 Color Macro 14 144–151 Color Macro 15 152–159 Color Macro 16 160–167 Color Macro 17 168–175 Color Macro 18 176–183 Color Macro 19 184–191 Color Macro 20 192–199 Color Macro 21 200–207 Color Macro 22 208–215 Color Macro 23 216–223 Color Macro 24 224–231 Color Macro 25 232–239 Color Macro 26 240–247 Color Macro 27 248–255 Random CMY
15	Gobo	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–79 Gobo 7 (wheel slot 8) 80–94 Gobo 1 (wheel slot 2) 95–109 Gobo 2 (wheel slot 3) 110–124 Gobo 3 (wheel slot 4) 125–139 Gobo 4 (wheel slot 5) 140–154 Gobo 5 (wheel slot 6) 155–169 Gobo 6 (wheel slot 7) 170–189 Gobo 7 (wheel slot 8) 190–221 CW Fast to Slow 222–223 Stop 224–255 CCW Slow to Fast
16	Gobo Rotation	0	0–127 Gobo Indexing 0 to 540 128–189 CW Fast to Slow 190–193 No Rotation 194–255 CCW Slow to Fast
17	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Extended (continued)

Ch	Function	Default	DMX values
18	Gobo 2	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–79 Gobo 7 (wheel slot 8) 80–94 Gobo 1 (wheel slot 2) 95–109 Gobo 2 (wheel slot 3) 110–124 Gobo 3 (wheel slot 4) 125–139 Gobo 4 (wheel slot 5) 140–154 Gobo 5 (wheel slot 6) 155–169 Gobo 6 (wheel slot 7) 170–189 Gobo 7 (wheel slot 8) 190–221 CW Fast to Slow 222–223 Stop 224–255 CCW Slow to Fast
19	Gobo Rotation 2	0	0–127 Gobo Indexing 0 to 540 128–189 CW Fast to Slow 190–193 No Rotation 194–255 CCW Slow to Fast
20	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2
21	Shutter / Strobe	50	0–31 Shutter Closed 32–63 Shutter Open 64–95 Strobe Effect Slow to Fast 96–127 No Function (Shutter Open) 128–159 Pulse-Effect in Sequences 160–191 Shutter Open 192–223 Random Strobe Effect Slow to Fast 224–255 Shutter Open
22	Dimmer	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
23	Dimmer Fine	0	Fine byte of Dimmer
24	Prism	0	0–31 No Effect (wheel slot 1) 32–255 Prism 1 (wheel slot 2)
25	Prism Rotation	0	0–127 Prism Indexing 0 to 540 128–189 CW Fast to Slow 190–193 No Rotation 194–255 CCW Slow to Fast
26	Prism Rotation Fine	0	Fine byte of Prism Rotation
27	Prism	0	0–31 No Effect (wheel slot 1) 32–255 Prism 2 (wheel slot 2)
28	Prism Rotation	0	0–127 Prism Indexing 0 to 540 128–189 CW Fast to Slow 190–193 No Rotation 194–255 CCW Slow to Fast
29	Prism Rotation Fine	0	Fine byte of Prism Rotation

Extended (continued)

Ch	Function	Default	DMX values
30	Prism	0	0–9 No Prism Open 10–19 Color Macro 1 20–29 Color Macro 2 30–39 Color Macro 3 40–49 Color Macro 4 50–59 Color Macro 5 60–69 Color Macro 6 70–79 Color Macro 7 80–89 Color Macro 8 90–99 Color Macro 9 100–109 Color Macro 10 110–119 Color Macro 11 120–129 Color Macro 12 130–139 Color Macro 13 140–149 Color Macro 14 150–159 Color Macro 15 160–169 Color Macro 16 170–179 Color Macro 17 180–189 Color Macro 18 190–199 Color Macro 19 200–209 Color Macro 20 210–219 Color Macro 21 220–229 Color Macro 22 230–239 Color Macro 23 240–255 Color Macro 24
31	Focus	127	
32	Focus Fine	127	Fine byte of Focus
33	Zoom	127	
34	Zoom Fine	127	Fine byte of Zoom
35	Frost1	0	
36	Frost2	0	
37	Animation Wheel1	0	0–19 No function 20–127 Enter in proportion 128–170 All on - all in - all out (fast - slow) 171–213 Half open - full access - half open (fast - slow) 214–255 Half open - all out - half open (fast - slow)
38	Animation Wheel1Pos Rotate	0	0–0 No function 1–127 CW fast to slow 128–128 Stop 129–255 CCW slow to fast

Extended (continued)

Ch	Function	Default	DMX values
39	Dimmer Mode	0	0–20 Default to unit setting 21–40 Standard 41–60 Stage 61–80 TV 81–100 Architectural 101–120 Theatre 121–140 Stage 2 141–141 0/1s Delay 142–142 0/2s Delay 143–143 0/3s Delay 144–144 0/4s Delay 145–145 0/5s Delay 146–146 0/6s Delay 147–147 0/7s Delay 148–148 0/8s Delay 149–149 0/9s Delay 150–150 1s Delay 151–151 1/5s Delay 152–152 2s Delay 153–153 3s Delay 154–154 4s Delay 155–155 5s Delay 156–156 6s Delay 157–157 7s Delay 158–158 8s Delay 159–159 9s Delay 160–160 10s Delay 161–255 Default
40	Dimmer Curve	0	0–20 No Function 21–40 Linear 41–60 Square 61–80 Inv Squa 81–100 S Curve 101–255 No Function
41	Color Macro1Rate	0	
42	Position MSpeed	0	
43	Function	0	