ADJ

Hydro Beam CMY



Manufacturer	**ADJ**
Type	**Moving head**
DMX modes	**2**
DMX footprint	**20, 24 channels**
Beam angle	**2°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**300 × 384 × 230 mm**
GDTF fixture type	**020D9D11-EB85-4965-88FE-D9…**

Controls

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

Safety-relevant functions

Lamp on and off · Fixture reset · Strobe

DMX modes

20Ch	20 ch
24Ch	24 ch

20Ch

20 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	128	
3	Cyan	0	0–126 0 % 127–254 50 % 255–255 100 %
4	Magenta	0	0–126 0 % 127–254 50 % 255–255 100 %
5	Yellow	0	0–126 0 % 127–254 50 % 255–255 100 %
6	Color Effects1	0	0–7 Close 8–255 Open

20Ch (continued)

Ch	Function	Default	DMX values
7	Color Wheel	0	0–3 White (wheel slot 15) 4–7 Red (wheel slot 1) 8–11 Blue (wheel slot 2) 12–15 Green (wheel slot 3) 16–19 Lime (wheel slot 4) 20–23 Orange (wheel slot 5) 24–27 Pink (wheel slot 6) 28–31 Lavender (wheel slot 7) 32–35 Medium Red (wheel slot 8) 36–39 Aqua (wheel slot 9) 40–43 Amber (wheel slot 10) 44–47 CTB 9000K (wheel slot 11) 48–51 4500K (wheel slot 12) 52–55 CTO 3200K (wheel slot 13) 56–59 UV (wheel slot 14) 60–61 White (wheel slot 15) 62–63 White to Red (wheel slot 15) 64–65 Red (wheel slot 1) 66–67 Red to Blue (wheel slot 1) 68–69 Blue (wheel slot 2) 70–71 Blue to Green (wheel slot 2) 72–73 Green (wheel slot 3) 74–75 Green to Lime (wheel slot 3) 76–77 Lime (wheel slot 4) 78–79 Lime to Orange (wheel slot 4) 80–81 Orange (wheel slot 5) 82–83 Orange to Pink (wheel slot 5) 84–85 Pink (wheel slot 6) 86–87 Pink to Lavender (wheel slot 6) 88–89 Lavender (wheel slot 7) 90–91 Lavender to Medium Red (wheel slot 7) 92–93 Medium Red (wheel slot 8) 94–95 Medium Red to Aqua (wheel slot 8) 96–97 Aqua (wheel slot 9) 98–99 Aqua to Amber (wheel slot 9) 100–101 Amber (wheel slot 10) 102–103 Amber to CTB 9000 (wheel slot 10) 104–106 9000k (wheel slot 11) 107–109 9000k to 4500K (wheel slot 11) 110–112 45000K (wheel slot 12) 113–115 45000K to CTO 3200K (wheel slot 12) 116–118 3200K (wheel slot 13) 119–121 CTO 3200k to UV (wheel slot 13) 122–124 UV (wheel slot 14) 125–127 UV to White (wheel slot 14) 128–189 CW Fast to Slow 190–193 No Rotation 194–255 CCW Slow to Fast

20Ch (continued)

Ch	Function	Default	DMX values
8	Color Wheel 2	0	0–31 Off (wheel slot 28) 32–39 Color Macro 1 (wheel slot 1) 40–47 Color Macro 2 (wheel slot 2) 48–55 Color Macro 3 (wheel slot 3) 56–63 Color Macro 4 (wheel slot 4) 64–71 Color Macro 5 (wheel slot 5) 72–79 Color Macro 6 (wheel slot 6) 80–87 Color Macro 7 (wheel slot 7) 88–95 Color Macro 8 (wheel slot 8) 96–103 Color Macro 9 (wheel slot 9) 104–111 Color Macro 10 (wheel slot 10) 112–119 Color Macro 11 (wheel slot 11) 120–127 Color Macro 12 (wheel slot 12) 128–135 Color Macro 13 (wheel slot 13) 136–143 Color Macro 14 (wheel slot 14) 144–151 Color Macro 15 (wheel slot 15) 152–159 Color Macro 16 (wheel slot 16) 160–167 Color Macro 17 (wheel slot 17) 168–175 Color Macro 18 (wheel slot 18) 176–183 Color Macro 19 (wheel slot 19) 184–191 Color Macro 20 (wheel slot 20) 192–199 Color Macro 21 (wheel slot 21) 200–207 Color Macro 22 (wheel slot 22) 208–215 Color Macro 23 (wheel slot 23) 216–223 Color Macro 24 (wheel slot 24) 224–231 Color Macro 25 (wheel slot 25) 232–239 Color Macro 26 (wheel slot 26) 240–247 Color Macro 27 (wheel slot 27) 248–255 Random CMY

20Ch (continued)

Ch	Function	Default	DMX values
9	Gobo	0	0–2 Open (wheel slot 1) 3–5 Gobo 1 (wheel slot 2) 6–8 Gobo 2 (wheel slot 3) 9–11 Gobo 3 (wheel slot 4) 12–14 Gobo 4 (wheel slot 5) 15–17 Gobo 5 (wheel slot 6) 18–20 Gobo 6 (wheel slot 7) 21–23 Gobo 7 (wheel slot 8) 24–26 Gobo 8 (wheel slot 9) 27–29 Gobo 9 (wheel slot 10) 30–32 Gobo 10 (wheel slot 11) 33–35 Gobo 11 (wheel slot 12) 36–38 Gobo 12 (wheel slot 13) 39–41 Gobo 13 (wheel slot 14) 42–44 Gobo 14 (wheel slot 15) 45–47 Gobo 15 (wheel slot 16) 48–50 Gobo 16 (wheel slot 17) 51–55 Gobo 17 (wheel slot 18) 56–59 Open (wheel slot 1) 60–63 Gobo 1 (wheel slot 2) 64–67 Gobo 2 (wheel slot 3) 68–71 Gobo 3 (wheel slot 4) 72–75 Gobo 4 (wheel slot 5) 76–79 Gobo 5 (wheel slot 6) 80–83 Gobo 6 (wheel slot 7) 84–87 Gobo 7 (wheel slot 8) 88–91 Gobo 8 (wheel slot 9) 92–95 Gobo 9 (wheel slot 10) 96–99 Gobo 10 (wheel slot 11) 100–103 Gobo 11 (wheel slot 12) 104–107 Gobo 12 (wheel slot 13) 108–111 Gobo 13 (wheel slot 14) 112–115 Gobo 14 (wheel slot 15) 116–119 Gobo 15 (wheel slot 16) 120–123 Gobo 16 (wheel slot 17) 124–192 Gobo 17 (wheel slot 18) 193–223 CW slow to fast 224–224 No Rotation 225–255 CCW Rot Fast to slow
10	Prism	0	0–7 No Prism(Open) (wheel slot 1) 8–255 Prism 1 (wheel slot 2)
11	Prism Rotation	6	0–127 Prism Indexing 0 to 540 128–189 Fast to Slow CW 190–193 No Rotation 194–255 Slow to Fast CCW
12	Prism	0	0–7 No Prism(Open) (wheel slot 1) 8–255 Prism 2 (wheel slot 2)
13	Prism Rotation	6	0–127 Prism Indexing 0 to 540 128–189 Slow to Fast CW 190–193 No Rotation 194–255 Fast and Slow CCW
14	Shutter / Strobe	32	0–31 Shutter Close 32–63 Shutter Open 64–95 Strobe Slow to Fast 96–127 Shutter Open 128–159 Pulse Slow to Fast 160–191 Shutter Open 192–223 Strobe Slow to fast 224–255 Shutter Open

20Ch (continued)

Ch	Function	Default	DMX values
15	Dimmer	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
16	Focus	0	
17	Frost1	0	0–126 0 % 127–254 50 % 255–255 100 %
18	Color Macro1Rate	0	
19	Position MSpeed	0	
20	Function	0	0–19 No Function 20–29 Enable color wheel indexing 30–39 Disable color wheel indexing 40–59 Enable frost indexing 60–69 Disable frost indexing 70–79 Enable blackout while Pan/Tilt moving 80–89 Disable blackout while Pan/Tilt moving 90–99 Enable blackout while color changing 100–109 Disable blackout while color changing 110–119 Enable blackout while gobo changing 120–129 Disable blackout while gobo changing 130–139 Lamp On 140–149 Reset XY 150–159 Reset Effect 160–169 Reset Color (Color Wheel and CMY) 170–199 No Function 200–209 Reset All 210–229 No Function 230–239 Lamp Off 240–255 No Function

24Ch

24 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	128	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	128	Fine byte of Tilt
5	Cyan	0	0–126 0 % 127–254 50 % 255–255 100 %
6	Magenta	0	0–126 0 % 127–254 50 % 255–255 100 %
7	Yellow	0	0–126 0 % 127–254 50 % 255–255 100 %
8	Color Effects1	0	0–7 Close 8–255 Open

24Ch (continued)

Ch	Function	Default	DMX values
9	Color Wheel	0	0–3 White (wheel slot 15) 4–7 Red (wheel slot 1) 8–11 Blue (wheel slot 2) 12–15 Green (wheel slot 3) 16–19 Lime (wheel slot 4) 20–23 Orange (wheel slot 5) 24–27 Pink (wheel slot 6) 28–31 Lavender (wheel slot 7) 32–35 Medium Red (wheel slot 8) 36–39 Aqua (wheel slot 9) 40–43 Amber (wheel slot 10) 44–47 CTB 9000K (wheel slot 11) 48–51 4500K (wheel slot 12) 52–55 CTO 3200K (wheel slot 13) 56–59 UV (wheel slot 14) 60–61 White (wheel slot 15) 62–63 White to Red (wheel slot 15) 64–65 Red (wheel slot 1) 66–67 Red to Blue (wheel slot 1) 68–69 Blue (wheel slot 2) 70–71 Blue to Green (wheel slot 2) 72–73 Green (wheel slot 3) 74–75 Green to Lime (wheel slot 3) 76–77 Lime (wheel slot 4) 78–79 Lime to Orange (wheel slot 4) 80–81 Orange (wheel slot 5) 82–83 Orange to Pink (wheel slot 5) 84–85 Pink (wheel slot 6) 86–87 Pink to Lavender (wheel slot 6) 88–89 Lavender (wheel slot 7) 90–91 Lavender to Medium Red (wheel slot 7) 92–93 Medium Red (wheel slot 8) 94–95 Medium Red to Aqua (wheel slot 8) 96–97 Aqua (wheel slot 9) 98–99 Aqua to Amber (wheel slot 9) 100–101 Amber (wheel slot 10) 102–103 Amber to CTB 9000 (wheel slot 10) 104–106 9000k (wheel slot 11) 107–109 9000k to 4500K (wheel slot 11) 110–112 45000K (wheel slot 12) 113–115 45000K to CTO 3200K (wheel slot 12) 116–118 3200K (wheel slot 13) 119–121 CTO 3200k to UV (wheel slot 13) 122–124 UV (wheel slot 14) 125–127 UV to White (wheel slot 14) 128–189 CW Fast to Slow 190–193 No Rotation 194–255 CCW Slow to Fast

24Ch (continued)

Ch	Function	Default	DMX values
10	Color Wheel 2	0	0–31 Off (wheel slot 28) 32–39 Color Macro 1 (wheel slot 1) 40–47 Color Macro 2 (wheel slot 2) 48–55 Color Macro 3 (wheel slot 3) 56–63 Color Macro 4 (wheel slot 4) 64–71 Color Macro 5 (wheel slot 5) 72–79 Color Macro 6 (wheel slot 6) 80–87 Color Macro 7 (wheel slot 7) 88–95 Color Macro 8 (wheel slot 8) 96–103 Color Macro 9 (wheel slot 9) 104–111 Color Macro 10 (wheel slot 10) 112–119 Color Macro 11 (wheel slot 11) 120–127 Color Macro 12 (wheel slot 12) 128–135 Color Macro 13 (wheel slot 13) 136–143 Color Macro 14 (wheel slot 14) 144–151 Color Macro 15 (wheel slot 15) 152–159 Color Macro 16 (wheel slot 16) 160–167 Color Macro 17 (wheel slot 17) 168–175 Color Macro 18 (wheel slot 18) 176–183 Color Macro 19 (wheel slot 19) 184–191 Color Macro 20 (wheel slot 20) 192–199 Color Macro 21 (wheel slot 21) 200–207 Color Macro 22 (wheel slot 22) 208–215 Color Macro 23 (wheel slot 23) 216–223 Color Macro 24 (wheel slot 24) 224–231 Color Macro 25 (wheel slot 25) 232–239 Color Macro 26 (wheel slot 26) 240–247 Color Macro 27 (wheel slot 27) 248–255 Random CMY

24Ch (continued)

Ch	Function	Default	DMX values
11	Gobo	0	0–2 Open (wheel slot 1) 3–5 Gobo 1 (wheel slot 2) 6–8 Gobo 2 (wheel slot 3) 9–11 Gobo 3 (wheel slot 4) 12–14 Gobo 4 (wheel slot 5) 15–17 Gobo 5 (wheel slot 6) 18–20 Gobo 6 (wheel slot 7) 21–23 Gobo 7 (wheel slot 8) 24–26 Gobo 8 (wheel slot 9) 27–29 Gobo 9 (wheel slot 10) 30–32 Gobo 10 (wheel slot 11) 33–35 Gobo 11 (wheel slot 12) 36–38 Gobo 12 (wheel slot 13) 39–41 Gobo 13 (wheel slot 14) 42–44 Gobo 14 (wheel slot 15) 45–47 Gobo 15 (wheel slot 16) 48–50 Gobo 16 (wheel slot 17) 51–55 Gobo 17 (wheel slot 18) 56–59 Open (wheel slot 1) 60–63 Gobo 1 (wheel slot 2) 64–67 Gobo 2 (wheel slot 3) 68–71 Gobo 3 (wheel slot 4) 72–75 Gobo 4 (wheel slot 5) 76–79 Gobo 5 (wheel slot 6) 80–83 Gobo 6 (wheel slot 7) 84–87 Gobo 7 (wheel slot 8) 88–91 Gobo 8 (wheel slot 9) 92–95 Gobo 9 (wheel slot 10) 96–99 Gobo 10 (wheel slot 11) 100–103 Gobo 11 (wheel slot 12) 104–107 Gobo 12 (wheel slot 13) 108–111 Gobo 13 (wheel slot 14) 112–115 Gobo 14 (wheel slot 15) 116–119 Gobo 15 (wheel slot 16) 120–123 Gobo 16 (wheel slot 17) 124–192 Gobo 17 (wheel slot 18) 193–223 CW slow to fast 224–224 No Rotation 225–255 CCW Rot Fast to slow
12	Prism	0	0–7 No Prism(Open) (wheel slot 1) 8–255 Prism 1 (wheel slot 2)
13	Prism Rotation	6	0–127 Prism Indexing 0 to 540 128–189 Fast to Slow CW 190–193 No Rotation 194–255 Slow to Fast CCW
14	Prism	0	0–7 No Prism(Open) (wheel slot 1) 8–255 Prism 2 (wheel slot 2)
15	Prism Rotation	6	0–127 Prism Indexing 0 to 540 128–189 Slow to Fast CW 190–193 No Rotation 194–255 Fast and Slow CCW
16	Shutter / Strobe	32	0–31 Shutter Close 32–63 Shutter Open 64–95 Strobe Slow to Fast 96–127 Shutter Open 128–159 Pulse Slow to Fast 160–191 Shutter Open 192–223 Strobe Slow to fast 224–255 Shutter Open

24Ch (continued)

Ch	Function	Default	DMX values
17	Dimmer	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
18	Dimmer Fine	0	Fine byte of Dimmer
19	Focus	0	
20	Focus Fine	0	Fine byte of Focus
21	Frost1	0	0–126 0 % 127–254 50 % 255–255 100 %
22	Color Macro1Rate	0	
23	Position MSpeed	0	
24	Function	0	0–19 No Function 20–29 Enable color wheel indexing 30–39 Disable color wheel indexing 40–59 Enable frost indexing 60–69 Disable frost indexing 70–79 Enable blackout while Pan/Tilt moving 80–89 Disable blackout while Pan/Tilt moving 90–99 Enable blackout while color changing 100–109 Disable blackout while color changing 110–119 Enable blackout while gobo changing 120–129 Disable blackout while gobo changing 130–139 Lamp On 140–149 Reset XY 150–159 Reset Effect 160–169 Reset Color (Color Wheel and CMY) 170–199 No Function 200–209 Reset All 210–229 No Function 230–239 Lamp Off 240–255 No Function