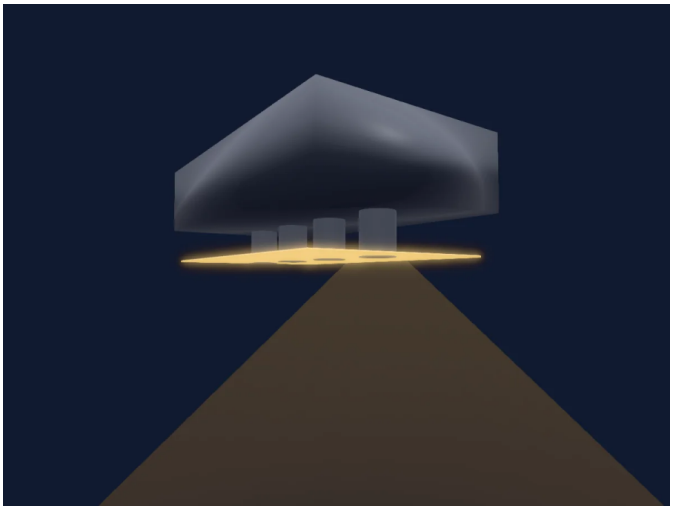
Aputure

Nova P600C



Manufacturer	**Aputure**
Type	**PAR**
DMX modes	**28**
DMX footprint	**3, 4, 5, 6, 7, 8, 9, 10, 14, 15, 21, 22, 35, 36 channels**
Beam angle	**25-160.036346°**
Size (W × H × D)	**802 × 180 × 481 mm**
GDTF fixture type	**F9304B95-6A85-496F-B73A-83…**

Controls

Extra LED colours · RGB colour mixing · Colour temperature · Colour wheel · Dimmer

DMX modes

Mode 13: Light Engine XY 8-bit (12ch)	3 ch
Mode 12: Light Engine HSB 8-bit (16ch)	4 ch
Mode 2: CTC 8-bit (4ch)	4 ch
Mode 7: XY 8-bit (4ch)	4 ch
Mode 10: WW/RGB 8-bit (5ch)	5 ch
Mode 4: RGB 8-bit (5ch)	5 ch
Mode 5: HSB 8-bit (5ch)	5 ch
Mode 8: Source 8-bit (5ch)	5 ch
Mode 22: Source 16-bit (6ch)	6 ch
Mode 27: Light Engine XY 16-bit (24ch)	6 ch
Mode 6: GEL 8-bit (6ch)	6 ch
Mode 11: Light Engine CTC/RGB 8-bit (28ch)	7 ch
Mode 16: CTC 16-bit (7ch)	7 ch
Mode 20: GEL 16-bit (7ch)	7 ch
Mode 21: XY 16-bit (7ch)	7 ch
Mode 1: CTC/RGB 8-bit (8ch)	8 ch
Mode 26: Light Engine HSB 16-bit (32ch)	8 ch
Mode 3: CTC/HSB 8-bit (8ch)	8 ch
Mode 18: RGB 16-bit (9ch)	9 ch
Mode 19: HSB 16-bit (9ch)	9 ch
Mode 24: WWRGB 16-bit (10ch)	10 ch
Mode 25: Light Engine CTC/RGB 16-bit (56ch)	14 ch
Mode 15: CTC/RBG 16-bit (15ch)	15 ch
Mode 17: CTC/HSB 16-bit (15ch)	15 ch
Mode 9: FX 8-bit (21ch)	21 ch
Mode 14: Ultimate Mode 8-bit (22ch)	22 ch
Mode 23: FX 16-bit (35ch)	35 ch

Mode 28: Ultimate Mode 16-bit (36ch) 36 ch

Mode 13: Light Engine XY 8-bit (12ch)

3 channels

Ch	Function	Default	DMX values
1	Dimmer	128	0–254 0% 255–255 100%
2	C IEX	0	
3	C IEY	0	

Mode 12: Light Engine HSB 8-bit (16ch)

4 channels

Ch	Function	Default	DMX values
1	Dimmer	128	0–254 0% 255–255 100%
2	H SBHue	128	0–254 1 255–255 360
3	H SBSaturation	128	
4	H SBBase CTC	128	0–254 2000K 255–255 10000K

Mode 2: CTC 8-bit (4ch)

4 channels

Ch	Function	Default	DMX values
1	Dimmer	128	0–254 0% 255–255 100%
2	C TC	128	0–254 2000K 255–255 10000K
3	Tint	128	0–10 No Effect 11–20 Full Minus Green 21–119 -99% to -1% 120–145 No Effect 146–244 1% to 99% 245–255 Full Plus Green
4	Strobe Frequency	0	0–19 No Effect 20–254 1 Hz 255–255 25 Hz

Mode 7: XY 8-bit (4ch)

4 channels

Ch	Function	Default	DMX values
1	Dimmer	128	0–254 0% 255–255 100%
2	C IEX	0	
3	C IEY	0	
4	Strobe Frequency	0	0–19 No Effect 20–254 1 Hz 255–255 25 Hz

Mode 10: WW/RGB 8-bit (5ch)

5 channels

Ch	Function	Default	DMX values
1	Warm White	128	0–254 0% 255–255 100%
2	Cool White	128	0–254 0% 255–255 100%

Mode 10: WW/RGB 8-bit (5ch) (continued)

Ch	Function	Default	DMX values
3	Red	0	
4	Green	0	
5	Blue	0	

Mode 4: RGB 8-bit (5ch)

5 channels

Ch	Function	Default	DMX values
1	Dimmer	128	0–254 0% 255–255 100%
2	Red	0	
3	Green	128	
4	Blue	128	
5	Strobe Frequency	0	0–19 No Effect 20–254 1 Hz 255–255 25 Hz

Mode 5: HSB 8-bit (5ch)

5 channels

Ch	Function	Default	DMX values
1	Dimmer	128	0–254 0% 255–255 100%
2	H SBHue	128	0–254 1 255–255 360
3	H SBSaturation	128	
4	H SBBase CTC	128	0–254 2000K 255–255 10000K
5	Strobe Frequency	0	0–19 No Effect 20–254 1 Hz 255–255 25 Hz

Mode 8: Source 8-bit (5ch)

5 channels

Ch	Function	Default	DMX values
1	Dimmer	128	0–254 0% 255–255 100%

Mode 8: Source 8-bit (5ch) (continued)

Ch	Function	Default	DMX values
2	Source	0	0–2 Tungsten Bulb 3–5 Incandescent 6–8 Halogen 9–11 Antique Bulb 12–14 Warm Antique Bulb 15–17 Christmas Lights 18–20 Night Light 21–23 Infrared Heat Lamp 24–26 Grow Light 27–29 CFL Soft White 30–32 CFL Bright White 33–35 CFL Cool White 36–38 CFL Daylight 39–41 Cool White 1 42–44 Cool White 2 45–47 Cool White 3 48–50 Warm White 51–53 CFL Blacklight 54–56 HMI 57–59 High Pressure Sodium 60–62 Low Pressure Sodium 63–65 Mercury Vapor 66–68 Metal Halide 69–71 Ceramic 72–74 Carbon Arc 75–77 Xenon 78–80 Candle 81–83 Gas Fire 84–86 Sun Direct 87–89 Sun Overcast 90–92 Sun Blue Hour 93–95 Mobile Phone 96–98 Computer Monitor 99–101 Electroluminescence 102–104 Blow Torch 105–107 Road Flare 108–110 Amber Caution 111–113 Green Traffic Light 114–116 Yellow Traffic Light 117–119 Red Traffic Light 120–122 Blue Glow Stick 123–125 Green Glow Stick 126–128 Red Glow Stick 129–131 Yellow Glow Stick 132–135 Pink Glow Stick 136–138 Violet Glow Stick 139–255 Reserved
3	C IEX	0	0–127 0 to 1/200 128–255 0 to -1/200
4	C IEY	0	0–127 0 to 1/200 128–255 0 to -1/200
5	Strobe Frequency	0	0–19 No Effect 20–254 1 Hz 255–255 25 Hz

Mode 22: Source 16-bit (6ch)

6 channels

Ch	Function	Default	DMX values
1	Dimmer	128	0–254 0% 255–255 100%

Mode 22: Source 16-bit (6ch) (continued)

Ch	Function	Default	DMX values
2	Dimmer Fine	0	Fine byte of Dimmer
3	Source	0	0–2 Tungsten Bulb 3–5 Incandescent 6–8 Halogen 9–11 Antique Bulb 12–14 Warm Antique Bulb 15–17 Christmas Lights 18–20 Night Light 21–23 Infrared Heat Lamp 24–26 Grow Light 27–29 CFL Soft White 30–32 CFL Bright White 33–35 CFL Cool White 36–38 CFL Daylight 39–41 Cool White 1 42–44 Cool White 2 45–47 Cool White 3 48–50 Warm White 51–53 CFL Blacklight 54–56 HMI 57–59 High Pressure Sodium 60–62 Low Pressure Sodium 63–65 Mercury Vapor 66–68 Metal Halide 69–71 Ceramic 72–74 Carbon Arc 75–77 Xenon 78–80 Candle 81–83 Gas Fire 84–86 Sun Direct 87–89 Sun Overcast 90–92 Sun Blue Hour 93–95 Mobile Phone 96–98 Computer Monitor 99–101 Electroluminescence 102–104 Blow Torch 105–107 Road Flare 108–110 Amber Caution 111–113 Green Traffic Light 114–116 Yellow Traffic Light 117–119 Red Traffic Light 120–122 Blue Glow Stick 123–125 Green Glow Stick 126–128 Red Glow Stick 129–131 Yellow Glow Stick 132–135 Pink Glow Stick 136–138 Violet Glow Stick 139–255 Reserved
4	C IEX	0	0–127 0 to 1/200 128–255 0 to -1/200
5	C IEY	0	0–127 0 to 1/200 128–255 0 to -1/200
6	Strobe Frequency	0	0–19 No Effect 20–254 1 Hz 255–255 25 Hz

Mode 27: Light Engine XY 16-bit (24ch)

6 channels

Ch	Function	Default	DMX values
1	Dimmer	128	0–254 0% 255–255 100%
2	Dimmer Fine	0	Fine byte of Dimmer
3	C IEX	0	
4	C IEX Fine	0	Fine byte of C IEX
5	C IEY	0	
6	C IEY Fine	0	Fine byte of C IEY

Mode 6: GEL 8-bit (6ch)

6 channels

Ch	Function	Default	DMX values
1	Dimmer	128	0–254 0% 255–255 100%
2	C TC	0	0–126 3200K 127–255 5600K
3	Rosco Lee	0	0–29 Rosco 30–59 Lee 60–255 Reserved
4	Series	0	0–9 R - ColorCorr / L - ColorCorr 10–19 R - CalColor / L - ColorFilters 20–29 R - Storaro / L - 600 Series 30–39 R - Cinelux / L - Cosmetic 40–49 R - Reserved / L - 700 Series 50–255 Reserved
5	G ELCategory	0	
6	Strobe Frequency	0	0–19 No Effect 20–254 1 Hz 255–255 25 Hz

Mode 11: Light Engine CTC/RGB 8-bit (28ch)

7 channels

Ch	Function	Default	DMX values
1	Dimmer	128	0–254 0% 255–255 100%
2	C TC	128	0–254 2000K 255–255 10000K
3	Tint	128	0–10 No Effect 11–20 Full Minus Green 21–119 -99% to -1% 120–145 No Effect 146–244 1% to 99% 245–255 Full Plus Green
4	Color Control	0	0–254 White Light 255–255 RGB
5	Red	0	
6	Green	128	
7	Blue	128	

Mode 16: CTC 16-bit (7ch)

7 channels

Ch	Function	Default	DMX values
1	Dimmer	128	0–254 0% 255–255 100%
2	Dimmer Fine	0	Fine byte of Dimmer
3	C TC	128	0–254 2000K 255–255 10000K
4	C TC Fine	0	Fine byte of C TC
5	Tint	128	0–16 No Effect 17–37 Full Minus Green 38–116 -99% to -1% 117–155 No Effect 156–234 1% to 99% 235–255 Full Plus Green
6	Tint Fine	0	Fine byte of Tint
7	Strobe Frequency	0	0–19 No Effect 20–254 1 Hz 255–255 25 Hz

Mode 20: GEL 16-bit (7ch)

7 channels

Ch	Function	Default	DMX values
1	Dimmer	128	0–254 0% 255–255 100%
2	Dimmer Fine	0	Fine byte of Dimmer
3	C TC	128	0–126 3200K 127–255 5600K
4	Rosco Lee	0	0–29 Rosco 30–59 Lee 60–255 Reserved
5	Series	0	0–9 R - ColorCorr / L - ColorCorr 10–19 R - CalColor / L - ColorFilters 20–29 R - Storaro / L - 600 Series 30–39 R - Cinelux / L - Cosmetic 40–49 R - Reserved / L - 700 Series 50–255 Reserved
6	G ELCategory	0	
7	Strobe Frequency	0	0–19 No Effect 20–254 1 Hz 255–255 25Hz

Mode 21: XY 16-bit (7ch)

7 channels

Ch	Function	Default	DMX values
1	Dimmer	128	0–254 0% 255–255 100%
2	Dimmer Fine	0	Fine byte of Dimmer
3	C IEX	0	
4	C IEX Fine	0	Fine byte of C IEX
5	C IEY	0	
6	C IEY Fine	0	Fine byte of C IEY
7	Strobe Frequency	0	0–19 No Effect 20–254 1 Hz 255–255 25 Hz

Mode 1: CTC/RGB 8-bit (8ch)

8 channels

Ch	Function	Default	DMX values
1	Dimmer	128	0–254 0% 255–255 100%
2	C TC	128	0–254 2000K 255–255 10000K
3	Tint	128	0–10 No Effect 11–20 Full Minus Green 21–119 -99% to -1% 120–145 No Effect 146–244 1% to 99% 245–255 Full Plus Green
4	Color Control	0	0–254 White Light 255–255 RGB
5	Red	0	
6	Green	128	
7	Blue	128	
8	Strobe Frequency	0	0–19 No Effect 20–254 1 Hz 255–255 25 Hz

Mode 26: Light Engine HSB 16-bit (32ch)

8 channels

Ch	Function	Default	DMX values
1	Dimmer	128	0–254 0% 255–255 100%
2	Dimmer Fine	0	Fine byte of Dimmer
3	H SBHue	128	0–254 1 255–255 360
4	H SBHue Fine	0	Fine byte of H SBHue
5	H SBSaturation	128	
6	H SBSaturation Fine	0	Fine byte of H SBSaturation
7	H SBBase CTC	128	0–254 2000K 255–255 10000K
8	H SBBase CTC Fine	0	Fine byte of H SBBase CTC

Mode 3: CTC/HSB 8-bit (8ch)

8 channels

Ch	Function	Default	DMX values
1	Dimmer	128	0–254 0% 255–255 100%
2	C TC	128	0–254 2000K 255–255 10000K
3	Tint	128	0–10 No Effect 11–20 Full Minus Green 21–119 -99% to -1% 120–145 No Effect 146–244 1% to 99% 245–255 Full Plus Green
4	Color Control	0	0–254 White Light 255–255 HSB
5	H SBHue	128	0–254 1 255–255 360
6	H SBSaturation	128	

Mode 3: CTC/HSB 8-bit (8ch) (continued)

Ch	Function	Default	DMX values
7	H SBBase CTC	128	0–254 2000K 255–255 10000K
8	Strobe Frequency	0	0–19 No Effect 20–254 1 Hz 255–255 25 Hz

Mode 18: RGB 16-bit (9ch)

9 channels

Ch	Function	Default	DMX values
1	Dimmer	128	0–254 0% 255–255 100%
2	Dimmer Fine	0	Fine byte of Dimmer
3	Red	0	
4	Red Fine	0	Fine byte of Red
5	Green	128	
6	Green Fine	0	Fine byte of Green
7	Blue	128	
8	Blue Fine	0	Fine byte of Blue
9	Strobe Frequency	0	0–19 No Effect 20–254 1 Hz 255–255 25 Hz

Mode 19: HSB 16-bit (9ch)

9 channels

Ch	Function	Default	DMX values
1	Dimmer	128	0–254 0% 255–255 100%
2	Dimmer Fine	0	Fine byte of Dimmer
3	H SBHue	128	0–254 1 255–255 360
4	H SBHue Fine	0	Fine byte of H SBHue
5	H SBSaturation	128	
6	H SBSaturation Fine	0	Fine byte of H SBSaturation
7	H SBBase CTC	128	0–254 2000K 255–255 10000K
8	H SBBase CTC Fine	0	Fine byte of H SBBase CTC
9	Strobe Frequency	0	0–19 No Effect 20–254 1 Hz 255–255 25 Hz

Mode 24: WWRGB 16-bit (10ch)

10 channels

Ch	Function	Default	DMX values
1	Warm White	128	0–254 0% 255–255 100%
2	Warm White Fine	0	Fine byte of Warm White
3	Cool White	128	0–254 0% 255–255 100%
4	Cool White Fine	0	Fine byte of Cool White
5	Red	0	

Mode 24: WWRGB 16-bit (10ch) (continued)

Ch	Function	Default	DMX values
6	Red Fine	0	Fine byte of Red
7	Green	0	
8	Green Fine	0	Fine byte of Green
9	Blue	0	
10	Blue Fine	0	Fine byte of Blue

Mode 25: Light Engine CTC/RGB 16-bit (56ch)

14 channels

Ch	Function	Default	DMX values
1	Dimmer	128	0–254 0% 255–255 100%
2	Dimmer Fine	0	Fine byte of Dimmer
3	C TC	128	0–254 2000K 255–255 10000K
4	C TC Fine	0	Fine byte of C TC
5	Tint	128	0–16 No Effect 17–37 Full Minus Green 38–116 -99% to -1% 117–155 No Effect 156–234 1% to 99% 235–255 Full Plus Green
6	Tint Fine	128	Fine byte of Tint
7	Color Control	0	0–254 White Light 255–255 RGB
8	Color Control Fine	0	Fine byte of Color Control
9	Red	0	
10	Red Fine	0	Fine byte of Red
11	Green	128	
12	Green Fine	0	Fine byte of Green
13	Blue	128	
14	Blue Fine	0	Fine byte of Blue

Mode 15: CTC/RBG 16-bit (15ch)

15 channels

Ch	Function	Default	DMX values
1	Dimmer	128	0–254 0% 255–255 100%
2	Dimmer Fine	0	Fine byte of Dimmer
3	C TC	128	0–254 2000K 255–255 10000K
4	C TC Fine	0	Fine byte of C TC
5	Tint	128	0–16 No Effect 17–37 Full Minus Green 38–116 -99% to -1% 117–155 No Effect 156–234 1% to 99% 235–255 Full Plus Green
6	Tint Fine	0	Fine byte of Tint
7	Color Control	0	0–254 White Light 255–255 RGB

Mode 15: CTC/RBG 16-bit (15ch) (continued)

Ch	Function	Default	DMX values
8	Color Control Fine	0	Fine byte of Color Control
9	Red	128	
10	Red Fine	0	Fine byte of Red
11	Green	128	
12	Green Fine	0	Fine byte of Green
13	Blue	128	
14	Blue Fine	0	Fine byte of Blue
15	Strobe Frequency	0	0–19 No Effect 20–254 1 Hz 255–255 25 Hz

Mode 17: CTC/HSB 16-bit (15ch)

15 channels

Ch	Function	Default	DMX values
1	Dimmer	128	0–254 0% 255–255 100%
2	Dimmer Fine	0	Fine byte of Dimmer
3	C TC	128	0–254 2000K 255–255 10000K
4	C TC Fine	0	Fine byte of C TC
5	Tint	128	0–16 No Effect 17–37 Full Minus Green 38–116 -99% to -1% 117–155 No Effect 156–234 1% to 99% 235–255 Full Plus Green
6	Tint Fine	0	Fine byte of Tint
7	Color Control	0	0–254 White Light 255–255 HSB
8	Color Control Fine	0	Fine byte of Color Control
9	H SBHue	128	0–254 1 255–255 360
10	H SBHue Fine	0	Fine byte of H SBHue
11	H SBSaturation	128	
12	H SBSaturation Fine	0	Fine byte of H SBSaturation
13	H SBBase CTC	128	0–254 2000K 255–255 10000K
14	H SBBase CTC Fine	0	Fine byte of H SBBase CTC
15	Strobe Frequency	0	0–19 No Effect 20–254 1 Hz 255–255 25 Hz

Mode 9: FX 8-bit (21ch)

21 channels

Ch	Function	Default	DMX values
1	Dimmer	128	0–254 0% 255–255 100%

Mode 9: FX 8-bit (21ch) (continued)

Ch	Function	Default	DMX values
2	F XSelection	0	0–9 Club Lights 10–19 Paparazzi 20–29 Lightning 30–39 TV 40–49 Candle 50–59 Fire 60–69 Strobe 70–79 Explosion 80–89 Faulty Bulb 90–99 Pulsing 100–109 Welding 110–119 Cop Car 120–129 Color Chase 130–139 Party Lights 140–149 Fireworks 150–159 Color Fade 160–169 Color Cycle 170–179 Color Gradient 180–189 One Color Chase 190–255 Reserved
3	Param01	0	
4	Param02	0	
5	Param03	0	
6	Param04	0	
7	Param05	0	
8	Param06	0	
9	Param07	0	
10	Param08	0	
11	Param09	0	
12	Param10	0	
13	Param11	0	
14	Param12	0	
15	Param13	0	
16	Param14	0	
17	Param15	0	
18	Param16	0	
19	Param17	0	
20	Param18	0	
21	Param19	0	

Mode 14: Ultimate Mode 8-bit (22ch)

22 channels

Ch	Function	Default	DMX values
1	Dimmer	128	0–254 0% 255–255 100%

Mode 14: Ultimate Mode 8-bit (22ch) (continued)

Ch	Function	Default	DMX values
2	Mode Selection	0	0–9 CCT and RGB 10–19 CCT 20–29 CCT and HSI 30–39 RGB 40–49 HSI 50–59 Gel 60–69 XY 70–79 Source 80–89 FX 90–255 Reserved
3	Param01	0	
4	Param02	0	
5	Param03	0	
6	Param04	0	
7	Param05	0	
8	Param06	0	
9	Param07	0	
10	Param08	0	
11	Param09	0	
12	Param10	0	
13	Param11	0	
14	Param12	0	
15	Param13	0	
16	Param14	0	
17	Param15	0	
18	Param16	0	
19	Param17	0	
20	Param18	0	
21	Param19	0	
22	Param20	0	

Mode 23: FX 16-bit (35ch)

35 channels

Ch	Function	Default	DMX values
1	Dimmer	128	0–254 0% 255–255 100%
2	Dimmer Fine	0	Fine byte of Dimmer

Mode 23: FX 16-bit (35ch) (continued)

Ch	Function	Default	DMX values
3	F XSelection	0	0–9 Club Lights 10–19 Paparazzi 20–29 Lightning 30–39 TV 40–49 Candle 50–59 Fire 60–69 Strobe 70–79 Explosion 80–89 Faulty Bulb 90–99 Pulsing 100–109 Welding 110–119 Cop Car 120–129 Color Chase 130–139 Party Lights 140–149 Fireworks 150–159 Color Fade 160–169 Color Cycle 170–179 Color Gradient 180–189 One Color Chase 190–255 Reserved
4	Param01	0	
5	Param02	0	
6	Param03	0	
7	Param04	0	
8	Param05	0	
9	Param06	0	
10	Param07	0	
11	Param08	0	
12	Param09	0	
13	Param10	0	
14	Param11	0	
15	Param12	0	
16	Param13	0	
17	Param14	0	
18	Param15	0	
19	Param16	0	
20	Param17	0	
21	Param18	0	
22	Param19	0	
23	Param20	0	
24	Param21	0	
25	Param22	0	
26	Param23	0	
27	Param24	0	
28	Param25	0	
29	Param26	0	
30	Param27	0	
31	Param28	0	
32	Param29	0	
33	Param30	0	
34	Param31	0	

Mode 23: FX 16-bit (35ch) (continued)

Ch	Function	Default	DMX values
35	Param32	0	

Mode 28: Ultimate Mode 16-bit (36ch)

36 channels

Ch	Function	Default	DMX values
1	Dimmer	128	0–254 0% 255–255 100%
2	Dimmer Fine	0	Fine byte of Dimmer
3	Mode Selection	0	0–9 CCT and RGB 10–19 CCT 20–29 CCT and HSI 30–39 RGB 40–49 HSI 50–59 Gel 60–69 XY 70–79 Source 80–89 FX 90–255 Reserved
4	Param01	0	
5	Param02	0	
6	Param03	0	
7	Param04	0	
8	Param05	0	
9	Param06	0	
10	Param07	0	
11	Param08	0	
12	Param09	0	
13	Param10	0	
14	Param11	0	
15	Param12	0	
16	Param13	0	
17	Param14	0	
18	Param15	0	
19	Param16	0	
20	Param17	0	
21	Param18	0	
22	Param19	0	
23	Param20	0	
24	Param21	0	
25	Param22	0	
26	Param23	0	
27	Param24	0	
28	Param25	0	
29	Param26	0	
30	Param27	0	
31	Param28	0	
32	Param29	0	
33	Param30	0	

Mode 28: Ultimate Mode 16-bit (36ch) (continued)

Ch	Function	Default	DMX values
34	Param31	0	
35	Param32	0	
36	Param33	0	