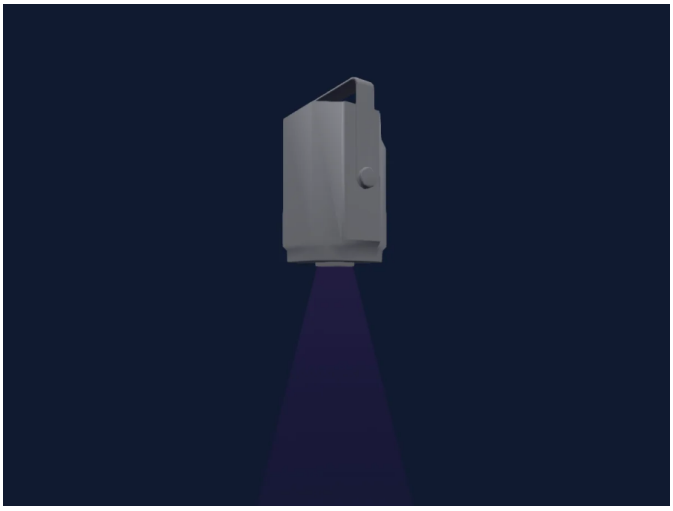
Prolights

Mosaico



Manufacturer	**Prolights**
Type	**Effect light**
DMX modes	**4**
DMX footprint	**12, 14, 16, 19 channels**
Beam angle	**12.9-46.5°**
Size (W × H × D)	**329 × 318 × 60 mm**
GDTF fixture type	**7617A7AD-3ED8-4B76-94BB-4…**

Controls

Focus · Frost · Prism · Prism rotation · Zoom · Colour wheel · Strobe · Dimmer · Gobos · Gobo rotation

Safety-relevant functions

Fixture reset · Strobe

DMX modes

12ch	12 ch
14ch	14 ch
16ch_Scene Records	16 ch
19ch	19 ch

12ch

12 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	255	0–31 Closed 32–63 Open 64–64 Strobe Min 65–94 Strobe 95–95 Strobe Max 96–127 Open_2 128–128 Pulse In Min 129–158 Pulse In 159–159 Pulse In Max 160–191 Open_3 192–192 Random Strobe Min 193–222 Random Strobe 223–223 Random Strobe Max 252–255 Open
2	Dimmer	0	0–254 Closed 255–255 Open
3	Color Wheel	0	0–3 Open (wheel slot 1) 4–7 Open + Dark Red (wheel slot 1) 8–11 Dark Red (wheel slot 2) 12–15 Dark Red + Light Orange (wheel slot 2) 16–19 Light Orange (wheel slot 3) 20–23 Light Orange + Yellow (wheel slot 3) 24–27 Yellow (wheel slot 4) 28–31 Yellow + Green (wheel slot 4) 32–35 Green (wheel slot 5) 36–39 Green + UV (wheel slot 5) 40–43 UV (wheel slot 6) 44–47 UV + Magenta (wheel slot 6) 48–51 Magenta (wheel slot 7) 52–55 Magenta + Dark Blue (wheel slot 7) 56–59 Dark Blue (wheel slot 8) 60–63 Dark Blue + Open (wheel slot 8) 64–93 Fast 94–94 Slow 95–96 Stop 97–125 Slow 126–127 Fast 128–255 Continuos
4	Color Wheel 2	0	0–3 Open (wheel slot 1) 4–7 Open + CTO (wheel slot 1) 8–11 CTO (wheel slot 2) 12–15 CTO + Jade (wheel slot 2) 16–19 Jade (wheel slot 3) 20–23 Jade + CTB (wheel slot 3) 24–27 CTB (wheel slot 4) 28–31 CTB + Pink (wheel slot 4) 32–35 Pink (wheel slot 5) 36–39 Pink + Light Green (wheel slot 5) 40–43 Light Green (wheel slot 6) 44–47 Light Green + Dark Orange (wheel slot 6) 48–51 Dark Orange (wheel slot 7) 52–55 Dark Orange + Cyan (wheel slot 7) 56–59 Cyan (wheel slot 8) 60–63 Cyan + Open (wheel slot 8) 64–93 Fast 94–94 Slow 95–96 Stop 97–125 Slow 126–127 Fast 128–255 Continuos

12ch (continued)

Ch	Function	Default	DMX values
5	Gobo	0	0–5 Open (wheel slot 1) 6–10 G1 (wheel slot 2) 11–15 G2 (wheel slot 3) 16–20 G3 (wheel slot 4) 21–25 G4 (wheel slot 5) 26–30 G5 (wheel slot 6) 31–35 G6 (wheel slot 7) 36–40 G7 (wheel slot 8) 41–55 G1 (wheel slot 2) 56–70 G2 (wheel slot 3) 71–85 G3 (wheel slot 4) 86–100 G4 (wheel slot 5) 101–115 G5 (wheel slot 6) 116–130 G6 (wheel slot 7) 131–145 G7 (wheel slot 8) 146–146 CW Spin Fast 147–198 CW Spin 199–199 CW Spin Slow 200–201 Stop 202–202 CCW Spin MIn 203–254 CCW Spin 255–255 CCW Spin Max
6	Gobo Rotation	0	0–191 0-360 192–193 CW Spin Max 194–220 CW Spin 221–221 CW Spin Min 222–225 Stop 226–227 CCW Spin Min 228–254 CCW Spin 255–255 CCW Spin Max
7	Prism	1	0–0 NoPrism 1–126 0 degrees (wheel slot 2) 127–127 360 degrees (wheel slot 2) 128–188 CW Spin Fast (wheel slot 2) 189–189 CW Spin Slow (wheel slot 2) 190–193 Stop (wheel slot 2) 194–254 CCW Spin Slow (wheel slot 2) 255–255 CCW Spin Fast (wheel slot 2)
8	Frost1	0	0–254 Open 255–255 Frost max
9	Focus	0	0–126 Min 127–254 Mid 255–255 Empty Channel Set
10	Zoom	128	0–127 Narrow 128–254 Med 255–255 Wide
11	Animation System1	0	0–3 Open (wheel slot 1) 4–4 Stop 5–5 CW Slow 6–126 Slow2Fast 127–127 CW Fast 128–131 Stop 132–132 CCW Slow 133–254 Slow2Fast 255–255 CCW Fast

12ch (continued)

Ch	Function	Default	DMX values
12	Control1	0	0–1 NoFeature 2–3 DMX Fault Hold 4–5 DMX Fault Stand Alone 6–59 No Function 60–69 CW BLACKOUT ON (index) 70–79 CW BLACKOUT OFF (index) 80–89 GOBO BLACKOUT ON (index) 90–99 GOBO BLACKOUT OFF (index) 100–109 RESET COLOR WHEEL 1 110–119 RESET COLOR WHEEL 2 120–129 RESET GOBO WHEEL 130–139 RESET PRISM 140–149 RESET FOCUS 150–159 RESET ZOOM 160–169 RESET FROST 170–179 RESET ANIMATION 180–181 Adv Gobo Index ON 182–183 Adv Gobo Index OFF 184–185 Adv Focus Index ON 186–187 Adv Focus Index OFF 188–189 Adv Zoom Index ON 190–191 Adv Zoom Index OFF 192–193 Warm Up Low Temp ON 194–195 Warm Up Low Temp OFF 196–197 Warm Up Low Temp VALUE 198–199 NoFeature 200–209 RESET ALL 210–255 NoFeature

14ch

14 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	255	0–31 Closed 32–63 Open 64–64 Strobe Min 65–94 Strobe 95–95 Strobe Max 96–127 Open_2 128–128 Pulse In Min 129–158 Pulse In 159–159 Pulse In Max 160–191 Open_3 192–192 Random Strobe Min 193–222 Random Strobe 223–223 Random Strobe Max 252–255 Open
2	Dimmer	0	0–254 Closed 255–255 Open

14ch (continued)

Ch	Function	Default	DMX values
3	Color Wheel	0	0–3 Open (wheel slot 1) 4–7 Open + Dark Red (wheel slot 1) 8–11 Dark Red (wheel slot 2) 12–15 Dark Red + Light Orange (wheel slot 2) 16–19 Light Orange (wheel slot 3) 20–23 Light Orange + Yellow (wheel slot 3) 24–27 Yellow (wheel slot 4) 28–31 Yellow + Green (wheel slot 4) 32–35 Green (wheel slot 5) 36–39 Green + UV (wheel slot 5) 40–43 UV (wheel slot 6) 44–47 UV + Magenta (wheel slot 6) 48–51 Magenta (wheel slot 7) 52–55 Magenta + Dark Blue (wheel slot 7) 56–59 Dark Blue (wheel slot 8) 60–63 Dark Blue + Open (wheel slot 8) 64–93 Fast 94–94 Slow 95–96 Stop 97–125 Slow 126–127 Fast 128–255 Continuos
4	Color Wheel 2	0	0–3 Open (wheel slot 1) 4–7 Open + CTO (wheel slot 1) 8–11 CTO (wheel slot 2) 12–15 CTO + Jade (wheel slot 2) 16–19 Jade (wheel slot 3) 20–23 Jade + CTB (wheel slot 3) 24–27 CTB (wheel slot 4) 28–31 CTB + Pink (wheel slot 4) 32–35 Pink (wheel slot 5) 36–39 Pink + Light Green (wheel slot 5) 40–43 Light Green (wheel slot 6) 44–47 Light Green + Dark Orange (wheel slot 6) 48–51 Dark Orange (wheel slot 7) 52–55 Dark Orange + Cyan (wheel slot 7) 56–59 Cyan (wheel slot 8) 60–63 Cyan + Open (wheel slot 8) 64–93 Fast 94–94 Slow 95–96 Stop 97–125 Slow 126–127 Fast 128–255 Continuos

14ch (continued)

Ch	Function	Default	DMX values
5	Gobo	0	0–5 Open (wheel slot 1) 6–10 G1 (wheel slot 2) 11–15 G2 (wheel slot 3) 16–20 G3 (wheel slot 4) 21–25 G4 (wheel slot 5) 26–30 G5 (wheel slot 6) 31–35 G6 (wheel slot 7) 36–40 G7 (wheel slot 8) 41–55 G1 (wheel slot 2) 56–70 G2 (wheel slot 3) 71–85 G3 (wheel slot 4) 86–100 G4 (wheel slot 5) 101–115 G5 (wheel slot 6) 116–130 G6 (wheel slot 7) 131–145 G7 (wheel slot 8) 146–146 CW Spin Fast 147–198 CW Spin 199–199 CW Spin Slow 200–201 Stop 202–202 CCW Spin MIn 203–254 CCW Spin 255–255 CCW Spin Max
6	Gobo Rotation	0	0–191 0-360 192–193 CW Spin Max 194–220 CW Spin 221–221 CW Spin Min 222–225 Stop 226–227 CCW Spin Min 228–254 CCW Spin 255–255 CCW Spin Max
7	Prism	0	0–20 Open (wheel slot 1) 21–127 Prism Index (wheel slot 2) 128–255 Prism Rotation (wheel slot 2)
8	Prism Rotation	0	0–126 0 degrees (wheel slot 2) 127–127 CW Spin Slow (wheel slot 2) 128–128 Stop (wheel slot 2) 129–254 CCW Spin Slow (wheel slot 2) 255–255 360 degrees (wheel slot 2)
9	Frost1	0	0–254 Open 255–255 Frost max
10	Focus	0	0–126 Min 127–254 Mid 255–255 Empty Channel Set
11	Zoom	128	0–127 Narrow 128–254 Med 255–255 Wide
12	Animation System1	0	
13	Animation System1Pos	0	0–190 0 degrees (wheel slot 2) 191–191 360 degrees (wheel slot 2) 192–220 CW Spin Fast (wheel slot 2) 221–221 CW Spin Slow (wheel slot 2) 222–225 Stop (wheel slot 2) 226–254 CCW Spin Slow (wheel slot 2) 255–255 CCW Spin Fast (wheel slot 2)

14ch (continued)

Ch	Function	Default	DMX values
14	Control1	0	0–1 NoFeature 2–3 DMX Fault Hold 4–5 DMX Fault Stand Alone 6–59 No Function 60–69 CW BLACKOUT ON (index) 70–79 CW BLACKOUT OFF (index) 80–89 GOBO BLACKOUT ON (index) 90–99 GOBO BLACKOUT OFF (index) 100–109 RESET COLOR WHEEL 1 110–119 RESET COLOR WHEEL 2 120–129 RESET GOBO WHEEL 130–139 RESET PRISM 140–149 RESET FOCUS 150–159 RESET ZOOM 160–169 RESET FROST 170–179 RESET ANIMATION 180–181 Adv Gobo Index ON 182–183 Adv Gobo Index OFF 184–185 Adv Focus Index ON 186–187 Adv Focus Index OFF 188–189 Adv Zoom Index ON 190–191 Adv Zoom Index OFF 192–193 Warm Up Low Temp ON 194–195 Warm Up Low Temp OFF 196–197 Warm Up Low Temp VALUE 198–199 NoFeature 200–209 RESET ALL 210–255 NoFeature

16ch_Scene Records

16 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	255	0–31 Closed 32–63 Open 64–64 Strobe Min 65–94 Strobe 95–95 Strobe Max 96–127 Open_2 128–128 Pulse In Min 129–158 Pulse In 159–159 Pulse In Max 160–191 Open_3 192–192 Random Strobe Min 193–222 Random Strobe 223–223 Random Strobe Max 252–255 Open
2	Dimmer	0	0–254 Closed 255–255 Open

16ch_Scene Records (continued)

Ch	Function	Default	DMX values
3	Color Wheel	0	0–3 Open (wheel slot 1) 4–7 Open + Dark Red (wheel slot 1) 8–11 Dark Red (wheel slot 2) 12–15 Dark Red + Light Orange (wheel slot 2) 16–19 Light Orange (wheel slot 3) 20–23 Light Orange + Yellow (wheel slot 3) 24–27 Yellow (wheel slot 4) 28–31 Yellow + Green (wheel slot 4) 32–35 Green (wheel slot 5) 36–39 Green + UV (wheel slot 5) 40–43 UV (wheel slot 6) 44–47 UV + Magenta (wheel slot 6) 48–51 Magenta (wheel slot 7) 52–55 Magenta + Dark Blue (wheel slot 7) 56–59 Dark Blue (wheel slot 8) 60–63 Dark Blue + Open (wheel slot 8) 64–93 Fast 94–94 Slow 95–96 Stop 97–125 Slow 126–127 Fast 128–255 Continuos
4	Color Wheel 2	0	0–3 Open (wheel slot 1) 4–7 Open + CTO (wheel slot 1) 8–11 CTO (wheel slot 2) 12–15 CTO + Jade (wheel slot 2) 16–19 Jade (wheel slot 3) 20–23 Jade + CTB (wheel slot 3) 24–27 CTB (wheel slot 4) 28–31 CTB + Pink (wheel slot 4) 32–35 Pink (wheel slot 5) 36–39 Pink + Light Green (wheel slot 5) 40–43 Light Green (wheel slot 6) 44–47 Light Green + Dark Orange (wheel slot 6) 48–51 Dark Orange (wheel slot 7) 52–55 Dark Orange + Cyan (wheel slot 7) 56–59 Cyan (wheel slot 8) 60–63 Cyan + Open (wheel slot 8) 64–93 Fast 94–94 Slow 95–96 Stop 97–125 Slow 126–127 Fast 128–255 Continuos

16ch_Scene Records (continued)

Ch	Function	Default	DMX values
5	Gobo	0	0–5 Open (wheel slot 1) 6–10 G1 (wheel slot 2) 11–15 G2 (wheel slot 3) 16–20 G3 (wheel slot 4) 21–25 G4 (wheel slot 5) 26–30 G5 (wheel slot 6) 31–35 G6 (wheel slot 7) 36–40 G7 (wheel slot 8) 41–55 G1 (wheel slot 2) 56–70 G2 (wheel slot 3) 71–85 G3 (wheel slot 4) 86–100 G4 (wheel slot 5) 101–115 G5 (wheel slot 6) 116–130 G6 (wheel slot 7) 131–145 G7 (wheel slot 8) 146–146 CW Spin Fast 147–198 CW Spin 199–199 CW Spin Slow 200–201 Stop 202–202 CCW Spin MIn 203–254 CCW Spin 255–255 CCW Spin Max
6	Gobo Rotation	0	0–191 0-360 192–193 CW Spin Max 194–220 CW Spin 221–221 CW Spin Min 222–225 Stop 226–227 CCW Spin Min 228–254 CCW Spin 255–255 CCW Spin Max
7	Prism	1	0–0 NoPrism 1–126 0 degrees (wheel slot 2) 127–127 360 degrees (wheel slot 2) 128–188 CW Spin Fast (wheel slot 2) 189–189 CW Spin Slow (wheel slot 2) 190–193 Stop (wheel slot 2) 194–254 CCW Spin Slow (wheel slot 2) 255–255 CCW Spin Fast (wheel slot 2)
8	Frost1	0	0–254 Open 255–255 Frost max
9	Focus	0	0–126 Min 127–254 Mid 255–255 Empty Channel Set
10	Zoom	128	0–127 Narrow 128–254 Med 255–255 Wide
11	Animation System1	0	
12	Animation System1Pos	0	0–190 0 degrees (wheel slot 2) 191–191 360 degrees (wheel slot 2) 192–220 CW Spin Fast (wheel slot 2) 221–221 CW Spin Slow (wheel slot 2) 222–225 Stop (wheel slot 2) 226–254 CCW Spin Slow (wheel slot 2) 255–255 CCW Spin Fast (wheel slot 2)
13	Control1	0	0–63 NoFeature 64–127 Show 1 128–191 Show 2 192–255 Show 3

16ch_Scene Records (continued)

Ch	Function	Default	DMX values
14	Control2	0	0–28 NoFeature 29–56 Chase 1 57–85 Chase 2 86–113 Chase 3 114–141 Chase 4 142–170 Chase 5 171–198 Chase 6 199–226 Chase 7 227–255 Chase 8
15	Control3	0	0–7 NoFeature 8–15 Scene 1 16–23 Scene 2 24–30 Scene 3 31–38 Scene 4 39–46 Scene 5 47–54 Scene 6 55–61 Scene 7 62–69 Scene 8 70–77 Scene 9 78–85 Scene 10 86–92 Scene 11 93–100 Scene 12 101–108 Scene 13 109–115 Scene 14 116–123 Scene 15 124–131 Scene 16 132–139 Scene 17 140–146 Scene 18 147–154 Scene 19 155–162 Scene 20 163–170 Scene 21 171–177 Scene 22 178–185 Scene 23 186–193 Scene 24 194–200 Scene 25 201–208 Scene 26 209–216 Scene 27 217–224 Scene 28 225–231 Scene 29 232–239 Scene 30 240–247 Scene 31 248–255 Scene 32
16	Control4	0	0–10 NoFeature 11–128 Edit Scene Mode 129–255 Record Scene Mode

19ch

19 channels

Ch	Function	Default	DMX values

19ch (continued)

Ch	Function	Default	DMX values
1	Shutter / Strobe	255	0–31 Closed 32–63 Open 64–64 Strobe Min 65–94 Strobe 95–95 Strobe Max 96–127 Open_2 128–128 Pulse In Min 129–158 Pulse In 159–159 Pulse In Max 160–191 Open_3 192–192 Random Strobe Min 193–222 Random Strobe 223–223 Random Strobe Max 252–255 Open
2	Dimmer	0	0–254 Closed 255–255 Open
3	Dimmer Fine	0	Fine byte of Dimmer
4	Color Wheel	0	0–3 Open (wheel slot 1) 4–7 Open + Dark Red (wheel slot 1) 8–11 Dark Red (wheel slot 2) 12–15 Dark Red + Light Orange (wheel slot 2) 16–19 Light Orange (wheel slot 3) 20–23 Light Orange + Yellow (wheel slot 3) 24–27 Yellow (wheel slot 4) 28–31 Yellow + Green (wheel slot 4) 32–35 Green (wheel slot 5) 36–39 Green + UV (wheel slot 5) 40–43 UV (wheel slot 6) 44–47 UV + Magenta (wheel slot 6) 48–51 Magenta (wheel slot 7) 52–55 Magenta + Dark Blue (wheel slot 7) 56–59 Dark Blue (wheel slot 8) 60–63 Dark Blue + Open (wheel slot 8) 64–93 Fast 94–94 Slow 95–96 Stop 97–125 Slow 126–127 Fast 128–255 Continuos
5	Color Wheel 2	0	0–3 Open (wheel slot 1) 4–7 Open + CTO (wheel slot 1) 8–11 CTO (wheel slot 2) 12–15 CTO + Jade (wheel slot 2) 16–19 Jade (wheel slot 3) 20–23 Jade + CTB (wheel slot 3) 24–27 CTB (wheel slot 4) 28–31 CTB + Pink (wheel slot 4) 32–35 Pink (wheel slot 5) 36–39 Pink + Light Green (wheel slot 5) 40–43 Light Green (wheel slot 6) 44–47 Light Green + Dark Orange (wheel slot 6) 48–51 Dark Orange (wheel slot 7) 52–55 Dark Orange + Cyan (wheel slot 7) 56–59 Cyan (wheel slot 8) 60–63 Cyan + Open (wheel slot 8) 64–93 Fast 94–94 Slow 95–96 Stop 97–125 Slow 126–127 Fast 128–255 Continuos

19ch (continued)

Ch	Function	Default	DMX values
6	Gobo	0	0–5 Open (wheel slot 1) 6–10 G1 (wheel slot 2) 11–15 G2 (wheel slot 3) 16–20 G3 (wheel slot 4) 21–25 G4 (wheel slot 5) 26–30 G5 (wheel slot 6) 31–35 G6 (wheel slot 7) 36–40 G7 (wheel slot 8) 41–55 G1 (wheel slot 2) 56–70 G2 (wheel slot 3) 71–85 G3 (wheel slot 4) 86–100 G4 (wheel slot 5) 101–115 G5 (wheel slot 6) 116–130 G6 (wheel slot 7) 131–145 G7 (wheel slot 8) 146–146 CW Spin Fast 147–198 CW Spin 199–199 CW Spin Slow 200–201 Stop 202–202 CCW Spin MIn 203–254 CCW Spin 255–255 CCW Spin Max
7	Gobo Rotation	0	0–191 0-360 192–220 CW Spin Max 221–221 CW Spin Min 222–225 Stop 226–254 CCW Spin Min 255–255 CCW Spin Max
8	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
9	Prism	0	0–20 Open (wheel slot 1) 21–127 Prism Index (wheel slot 2) 128–255 Prism Rotation (wheel slot 2)
10	Prism Rotation	0	0–126 0 degrees (wheel slot 2) 127–127 CW Spin Slow (wheel slot 2) 128–128 Stop (wheel slot 2) 129–254 CCW Spin Slow (wheel slot 2) 255–255 360 degrees (wheel slot 2)
11	Prism Rotation Fine	0	Fine byte of Prism Rotation
12	Frost1	0	0–254 Open 255–255 Frost max
13	Focus	0	0–126 Min 127–254 Mid 255–255 Empty Channel Set
14	Focus Fine	0	Fine byte of Focus
15	Zoom	128	0–127 Narrow 128–254 Med 255–255 Wide
16	Zoom Fine	0	Fine byte of Zoom
17	Animation System1	0	
18	Animation System1Pos	0	0–190 0 degrees (wheel slot 2) 191–191 360 degrees (wheel slot 2) 192–220 CW Spin Fast (wheel slot 2) 221–221 CW Spin Slow (wheel slot 2) 222–225 Stop (wheel slot 2) 226–254 CCW Spin Slow (wheel slot 2) 255–255 CCW Spin Fast (wheel slot 2)

19ch (continued)

Ch	Function	Default	DMX values
19	Control1	0	0–1 NoFeature 2–3 DMX Fault Hold 4–5 DMX Fault Stand Alone 6–59 No Function 60–69 CW BLACKOUT ON (index) 70–79 CW BLACKOUT OFF (index) 80–89 GOBO BLACKOUT ON (index) 90–99 GOBO BLACKOUT OFF (index) 100–109 RESET COLOR WHEEL 1 110–119 RESET COLOR WHEEL 2 120–129 RESET GOBO WHEEL 130–139 RESET PRISM 140–149 RESET FOCUS 150–159 RESET ZOOM 160–169 RESET FROST 170–179 RESET ANIMATION 180–181 Adv Gobo Index ON 182–183 Adv Gobo Index OFF 184–185 Adv Focus Index ON 186–187 Adv Focus Index OFF 188–189 Adv Zoom Index ON 190–191 Adv Zoom Index OFF 192–193 Warm Up Low Temp ON 194–195 Warm Up Low Temp OFF 196–197 Warm Up Low Temp VALUE 198–199 NoFeature 200–209 RESET ALL 210–255 NoFeature