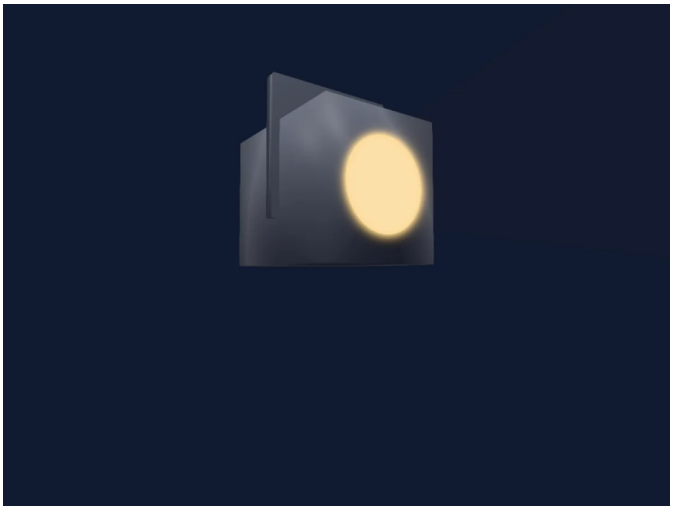
Briteq

# BTI-THEATRE 6C20



| | |
|---|---|
| Manufacturer | **Briteq** |
| Type | **Spot** |
| DMX modes | **5** |
| DMX footprint | **10, 14, 20 channels** |
| Beam angle | **20.698074°** |
| Size (W × H × D) | **330 × 330 × 35 mm** |
| GDTF fixture type | **F66F7206-67A8-1002-882B-1BE…** |

## Controls

Zoom · Extra LED colours · Hue and saturation · RGB colour mixing · Colour wheel · Strobe · Dimmer

## Safety-relevant functions

Fixture reset

## DMX modes

| | |
|---|---|
| CMY (10ch) | 10 ch |
| HSIC (10ch) | 10 ch |
| SSP (10ch) | 10 ch |
| Tour (14ch) | 14 ch |
| TR16 (20Ch) | 20 ch |

## CMY (10ch)

10 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| 2 | Color RGBCyan | 255 | |
| 3 | Color RGBMagenta | 255 | |
| 4 | Color RGBYellow | 255 | |
| 5 | Color Wheel | 0 | 0–10 Disabled (wheel slot 49)<br>11–15 L176 - Loving Amber (wheel slot 1)<br>16–20 R40 - Light Salmon (wheel slot 2)<br>21–25 L024 - Scarlet (wheel slot 3)<br>26–30 L164 - Flame Red (wheel slot 4)<br>31–35 L747 - Easy White (wheel slot 5)<br>36–40 R303 - Warm Peach (wheel slot 6)<br>41–45 L008 - Dark Salmon (wheel slot 7)<br>46–50 L025 - Sunset Red (wheel slot 8)<br>51–55 L004 - Medium Bastard Amber (wheel slot 9)<br>56–60 L237 - CID (to tungsten) (wheel slot 10)<br>61–65 R321 - Soft Golder Amber (wheel slot 11)<br>66–70 L652 - Urban Sodium (wheel slot 12)<br>71–75 L212 - LCT Yellow (wheel slot 13)<br>76–80 L765 - LEE Yellow (wheel slot 14)<br>81–85 L513 - Ice And A Slice (wheel slot 15)<br>86–90 L100 - Spring Yellow (wheel slot 16)<br>91–95 L244 - LEE Plus Green (wheel slot 17)<br>96–100 R4430 - CalColor 30 Green (wheel slot 18)<br>101–105 L122 - Fern Green (wheel slot 19)<br>106–110 L090 - Dark Yellow Green (wheel slot 20)<br>111–115 L243 - LEE Fluorecent 3600K (wheel slot 21)<br>116–120 R92 - Turquoise (wheel slot 22)<br>121–125 R94 - Kelly Green (wheel slot 23)<br>126–130 L327 - Forest Green (wheel slot 24)<br>131–135 L191 - Cosmetic Aqua Blue (wheel slot 25)<br>136–140 L728 - Steel Green (wheel slot 26)<br>141–145 L117 - Steel Blue (wheel slot 27)<br>146–150 L354 - Special Steel Blue (wheel slot 28)<br>151–155 L053 - Paler Lavender (wheel slot 29)<br>156–160 L501 - New Colour Blue (wheel slot 30)<br>161–165 L174 - Dark Steel Blue (wheel slot 31)<br>166–170 L165 - Daylight Blue (wheel slot 32)<br>171–175 L136 - Pale Lavender (wheel slot 33)<br>176–180 L194 - Surprice Pink (wheel slot 34)<br>181–185 L142 - Pale Violet (wheel slot 35)<br>186–190 L700 - Perfect Lavender (wheel slot 36)<br>191–195 L035 - Light Pink (wheel slot 37)<br>196–200 L794 - Pretty'n Pink (wheel slot 38)<br>201–205 L328 - Follies Pink (wheel slot 39)<br>206–210 L795 - Magical Magenta (wheel slot 40)<br>211–215 L154 - Pale Rose (wheel slot 41)<br>216–220 L127 - Smokey Pink (wheel slot 42)<br>221–225 L192 - Flesh Pink (wheel slot 43)<br>226–230 L332 - Special Rose Pink (wheel slot 44)<br>231–235 L790 - Moroccan Pink (wheel slot 45)<br>236–240 L157 - Pink (wheel slot 46)<br>241–245 R332 - Cherry Rose (wheel slot 47)<br>246–250 L128 - Cool LED Bright Pink (wheel slot 48)<br>251–255 NoFeature |

### CMY (10ch) (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **6** | C CT | 0 | 0–9 Disaled<br>10–24 1800K<br>25–39 2200K<br>40–54 2700K<br>55–69 3000K<br>70–84 3200K<br>85–99 4000K<br>100–114 4500K<br>115–129 5000K<br>130–144 5600K<br>145–159 6000K<br>160–174 6500K<br>175–189 7000K<br>190–204 8000K<br>205–255 10000K |
| **7** | Tint | 0 | 0–16 Disabled<br>17–116 +Magenta<br>117–139 Neutral<br>140–255 +Green |
| **8** | Shutter / Strobe | 0 | 0–9 Open<br>10–10 Min strobe<br>11–98 Strobe <><br>99–99 Max strobe<br>100–109 open<br>110–110 Shutter1StrobeEffect 3 · Min Lightning<br>111–178 Shutter1StrobeEffect 3 · Lightning <><br>179–179 Shutter1StrobeEffect 3 · Max lightning<br>180–189 Open<br>190–255 Random strobe |
| **9** | Zoom | 128 | |
| **10** | Control1 | 0 | 0–10 No Function<br>11–15 Tungsten emu enabled<br>16–20 Tungsten emu disabled<br>21–100 NoFeature 1<br>101–110 Dimmer Off<br>111–120 Dim4<br>121–150 NoFeature 2<br>151–160 1200Hz<br>161–170 2400Hz<br>171–180 4000Hz<br>181–190 6000Hz<br>191–200 25000Hz<br>201–210 All Reset<br>211–255 NoFeature 3 |

## HSIC (10ch)

10 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | H SBBrightness | 0 | |
| **2** | H SBHue | 0 | |
| **3** | H SBHue Fine | 0 | Fine byte of H SBHue |
| **4** | H SBSaturation | 0 | |

## HSIC (10ch) (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **5** | Color Wheel | 0 | 0–10 Disabled (wheel slot 49)<br>11–15 L176 - Loving Amber (wheel slot 1)<br>16–20 R40 - Light Salmon (wheel slot 2)<br>21–25 L024 - Scarlet (wheel slot 3)<br>26–30 L164 - Flame Red (wheel slot 4)<br>31–35 L747 - Easy White (wheel slot 5)<br>36–40 R303 - Warm Peach (wheel slot 6)<br>41–45 L008 - Dark Salmon (wheel slot 7)<br>46–50 L025 - Sunset Red (wheel slot 8)<br>51–55 L004 - Medium Bastard Amber (wheel slot 9)<br>56–60 L237 - CID (to tungsten) (wheel slot 10)<br>61–65 R321 - Soft Golder Amber (wheel slot 11)<br>66–70 L652 - Urban Sodium (wheel slot 12)<br>71–75 L212 - LCT Yellow (wheel slot 13)<br>76–80 L765 - LEE Yellow (wheel slot 14)<br>81–85 L513 - Ice And A Slice (wheel slot 15)<br>86–90 L100 - Spring Yellow (wheel slot 16)<br>91–95 L244 - LEE Plus Green (wheel slot 17)<br>96–100 R4430 - CalColor 30 Green (wheel slot 18)<br>101–105 L122 - Fern Green (wheel slot 19)<br>106–110 L090 - Dark Yellow Green (wheel slot 20)<br>111–115 L243 - LEE Fluorecent 3600K (wheel slot 21)<br>116–120 R92 - Turquoise (wheel slot 22)<br>121–125 R94 - Kelly Green (wheel slot 23)<br>126–130 L327 - Forest Green (wheel slot 24)<br>131–135 L191 - Cosmetic Aqua Blue (wheel slot 25)<br>136–140 L728 - Steel Green (wheel slot 26)<br>141–145 L117 - Steel Blue (wheel slot 27)<br>146–150 L354 - Special Steel Blue (wheel slot 28)<br>151–155 L053 - Paler Lavender (wheel slot 29)<br>156–160 L501 - New Colour Blue (wheel slot 30)<br>161–165 L174 - Dark Steel Blue (wheel slot 31)<br>166–170 L165 - Daylight Blue (wheel slot 32)<br>171–175 L136 - Pale Lavender (wheel slot 33)<br>176–180 L194 - Surprice Pink (wheel slot 34)<br>181–185 L142 - Pale Violet (wheel slot 35)<br>186–190 L700 - Perfect Lavender (wheel slot 36)<br>191–195 L035 - Light Pink (wheel slot 37)<br>196–200 L794 - Pretty'n Pink (wheel slot 38)<br>201–205 L328 - Follies Pink (wheel slot 39)<br>206–210 L795 - Magical Magenta (wheel slot 40)<br>211–215 L154 - Pale Rose (wheel slot 41)<br>216–220 L127 - Smokey Pink (wheel slot 42)<br>221–225 L192 - Flesh Pink (wheel slot 43)<br>226–230 L332 - Special Rose Pink (wheel slot 44)<br>231–235 L790 - Moroccan Pink (wheel slot 45)<br>236–240 L157 - Pink (wheel slot 46)<br>241–245 R332 - Cherry Rose (wheel slot 47)<br>246–250 L128 - Cool LED Bright Pink (wheel slot 48)<br>251–255 NoFeature |

### HSIC (10ch) (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **6** | C CT | 0 | 0–9 Disaled<br>10–24 1800K<br>25–39 2200K<br>40–54 2700K<br>55–69 3000K<br>70–84 3200K<br>85–99 4000K<br>100–114 4500K<br>115–129 5000K<br>130–144 5600K<br>145–159 6000K<br>160–174 6500K<br>175–189 7000K<br>190–204 8000K<br>205–255 10000K |
| **7** | Tint | 0 | 0–16 Disabled<br>17–116 +Magenta<br>117–139 Neutral<br>140–255 +Green |
| **8** | Shutter / Strobe | 0 | 0–9 Open<br>10–10 Min strobe<br>11–98 Strobe <><br>99–99 Max strobe<br>100–109 open<br>110–110 Shutter1StrobeEffect 3 · Min Lightning<br>111–178 Shutter1StrobeEffect 3 · Lightning <><br>179–179 Shutter1StrobeEffect 3 · Max lightning<br>180–189 Open<br>190–255 Random strobe |
| **9** | Zoom | 128 | |
| **10** | Control1 | 0 | 0–100 No Function<br>101–110 Dimmer Off<br>111–120 Dim4<br>121–150 NoFeature 1<br>151–160 1200Hz<br>161–170 2400Hz<br>171–180 4000Hz<br>181–190 6000Hz<br>191–200 25000Hz<br>201–210 All Reset<br>211–255 NoFeature 2 |

## SSP (10ch)

10 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **2** | Red | 255 | |
| **3** | Green | 255 | |
| **4** | Blue | 255 | |
| **5** | Color Add RY | 0 | |
| **6** | Color Add GY | 0 | |
| **7** | Color Add GC | 0 | |

### SSP (10ch) (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **8** | Shutter / Strobe | 0 | 0–9 Open<br>10–10 Min strobe<br>11–98 Strobe <><br>99–99 Max strobe<br>100–109 open<br>110–110 Shutter1StrobeEffect 3 · Min Lightning<br>111–178 Shutter1StrobeEffect 3 · Lightning <><br>179–179 Shutter1StrobeEffect 3 · Max lightning<br>180–189 Open<br>190–255 Random strobe |
| **9** | Zoom | 128 | |
| **10** | Control1 | 0 | 0–10 No Function<br>11–15 Tungsten emu enabled<br>16–20 Tungsten emu disabled<br>21–100 NoFeature 1<br>101–110 Dimmer Off<br>111–120 Dim4<br>121–150 NoFeature 2<br>151–160 1200Hz<br>161–170 2400Hz<br>171–180 4000Hz<br>181–190 6000Hz<br>191–200 25000Hz<br>201–210 All Reset<br>211–255 NoFeature 3 |

## Tour (14ch)

14 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **2** | Dimmer Fine | 0 | Fine byte of Dimmer |
| **3** | Red | 255 | |
| **4** | Green | 255 | |
| **5** | Blue | 255 | |
| **6** | Color Add RY | 0 | |
| **7** | Color Add GY | 0 | |
| **8** | Color Add GC | 0 | |

## Tour (14ch) (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 9 | Color Wheel | 0 | 0–10 Disabled (wheel slot 49)<br>11–15 L176 - Loving Amber (wheel slot 1)<br>16–20 R40 - Light Salmon (wheel slot 2)<br>21–25 L024 - Scarlet (wheel slot 3)<br>26–30 L164 - Flame Red (wheel slot 4)<br>31–35 L747 - Easy White (wheel slot 5)<br>36–40 R303 - Warm Peach (wheel slot 6)<br>41–45 L008 - Dark Salmon (wheel slot 7)<br>46–50 L025 - Sunset Red (wheel slot 8)<br>51–55 L004 - Medium Bastard Amber (wheel slot 9)<br>56–60 L237 - CID (to tungsten) (wheel slot 10)<br>61–65 R321 - Soft Golder Amber (wheel slot 11)<br>66–70 L652 - Urban Sodium (wheel slot 12)<br>71–75 L212 - LCT Yellow (wheel slot 13)<br>76–80 L765 - LEE Yellow (wheel slot 14)<br>81–85 L513 - Ice And A Slice (wheel slot 15)<br>86–90 L100 - Spring Yellow (wheel slot 16)<br>91–95 L244 - LEE Plus Green (wheel slot 17)<br>96–100 R4430 - CalColor 30 Green (wheel slot 18)<br>101–105 L122 - Fern Green (wheel slot 19)<br>106–110 L090 - Dark Yellow Green (wheel slot 20)<br>111–115 L243 - LEE Fluorecent 3600K (wheel slot 21)<br>116–120 R92 - Turquoise (wheel slot 22)<br>121–125 R94 - Kelly Green (wheel slot 23)<br>126–130 L327 - Forest Green (wheel slot 24)<br>131–135 L191 - Cosmetic Aqua Blue (wheel slot 25)<br>136–140 L728 - Steel Green (wheel slot 26)<br>141–145 L117 - Steel Blue (wheel slot 27)<br>146–150 L354 - Special Steel Blue (wheel slot 28)<br>151–155 L053 - Paler Lavender (wheel slot 29)<br>156–160 L501 - New Colour Blue (wheel slot 30)<br>161–165 L174 - Dark Steel Blue (wheel slot 31)<br>166–170 L165 - Daylight Blue (wheel slot 32)<br>171–175 L136 - Pale Lavender (wheel slot 33)<br>176–180 L194 - Surprice Pink (wheel slot 34)<br>181–185 L142 - Pale Violet (wheel slot 35)<br>186–190 L700 - Perfect Lavender (wheel slot 36)<br>191–195 L035 - Light Pink (wheel slot 37)<br>196–200 L794 - Pretty'n Pink (wheel slot 38)<br>201–205 L328 - Follies Pink (wheel slot 39)<br>206–210 L795 - Magical Magenta (wheel slot 40)<br>211–215 L154 - Pale Rose (wheel slot 41)<br>216–220 L127 - Smokey Pink (wheel slot 42)<br>221–225 L192 - Flesh Pink (wheel slot 43)<br>226–230 L332 - Special Rose Pink (wheel slot 44)<br>231–235 L790 - Moroccan Pink (wheel slot 45)<br>236–240 L157 - Pink (wheel slot 46)<br>241–245 R332 - Cherry Rose (wheel slot 47)<br>246–250 L128 - Cool LED Bright Pink (wheel slot 48)<br>251–255 NoFeature |

### Tour (14ch) (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **10** | C CT | 0 | 0–9 Disaled<br>10–24 1800K<br>25–39 2200K<br>40–54 2700K<br>55–69 3000K<br>70–84 3200K<br>85–99 4000K<br>100–114 4500K<br>115–129 5000K<br>130–144 5600K<br>145–159 6000K<br>160–174 6500K<br>175–189 7000K<br>190–204 8000K<br>205–255 10000K |
| **11** | Tint | 0 | 0–16 Disabled<br>17–116 +Magenta<br>117–139 Neutral<br>140–255 +Green |
| **12** | Shutter / Strobe | 0 | 0–9 Open<br>10–10 Min strobe<br>11–98 Strobe <><br>99–99 Max strobe<br>100–109 open<br>110–110 Shutter1StrobeEffect 3 · Min Lightning<br>111–178 Shutter1StrobeEffect 3 · Lightning <><br>179–179 Shutter1StrobeEffect 3 · Max lightning<br>180–189 Open<br>190–255 Random strobe |
| **13** | Zoom | 128 | |
| **14** | Control1 | 0 | 0–10 No Function<br>11–15 Tungsten emu enabled<br>16–20 Tungsten emu disabled<br>21–100 NoFeature 1<br>101–110 Dimmer Off<br>111–120 Dim4<br>121–150 NoFeature 2<br>151–160 1200Hz<br>161–170 2400Hz<br>171–180 4000Hz<br>181–190 6000Hz<br>191–200 25000Hz<br>201–210 All Reset<br>211–255 NoFeature 3 |

## TR16 (20Ch)

20 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **2** | Dimmer Fine | 0 | Fine byte of Dimmer |
| **3** | Red | 255 | |
| **4** | Red Fine | 255 | Fine byte of Red |
| **5** | Green | 255 | |
| **6** | Green Fine | 255 | Fine byte of Green |
| **7** | Blue | 255 | |
| **8** | Blue Fine | 255 | Fine byte of Blue |

## TR16 (20Ch) (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **9** | Color Add RY | 0 | |
| **10** | Color Add RY Fine | 0 | Fine byte of Color Add RY |
| **11** | Color Add GY | 0 | |
| **12** | Color Add GY Fine | 0 | Fine byte of Color Add GY |
| **13** | Color Add GC | 0 | |
| **14** | Color Add GC Fine | 0 | Fine byte of Color Add GC |
| **15** | Color Wheel | 0 | 0–10 Disabled (wheel slot 49)<br>11–15 L176 - Loving Amber (wheel slot 1)<br>16–20 R40 - Light Salmon (wheel slot 2)<br>21–25 L024 - Scarlet (wheel slot 3)<br>26–30 L164 - Flame Red (wheel slot 4)<br>31–35 L747 - Easy White (wheel slot 5)<br>36–40 R303 - Warm Peach (wheel slot 6)<br>41–45 L008 - Dark Salmon (wheel slot 7)<br>46–50 L025 - Sunset Red (wheel slot 8)<br>51–55 L004 - Medium Bastard Amber (wheel slot 9)<br>56–60 L237 - CID (to tungsten) (wheel slot 10)<br>61–65 R321 - Soft Golder Amber (wheel slot 11)<br>66–70 L652 - Urban Sodium (wheel slot 12)<br>71–75 L212 - LCT Yellow (wheel slot 13)<br>76–80 L765 - LEE Yellow (wheel slot 14)<br>81–85 L513 - Ice And A Slice (wheel slot 15)<br>86–90 L100 - Spring Yellow (wheel slot 16)<br>91–95 L244 - LEE Plus Green (wheel slot 17)<br>96–100 R4430 - CalColor 30 Green (wheel slot 18)<br>101–105 L122 - Fern Green (wheel slot 19)<br>106–110 L090 - Dark Yellow Green (wheel slot 20)<br>111–115 L243 - LEE Fluorecent 3600K (wheel slot 21)<br>116–120 R92 - Turquoise (wheel slot 22)<br>121–125 R94 - Kelly Green (wheel slot 23)<br>126–130 L327 - Forest Green (wheel slot 24)<br>131–135 L191 - Cosmetic Aqua Blue (wheel slot 25)<br>136–140 L728 - Steel Green (wheel slot 26)<br>141–145 L117 - Steel Blue (wheel slot 27)<br>146–150 L354 - Special Steel Blue (wheel slot 28)<br>151–155 L053 - Paler Lavender (wheel slot 29)<br>156–160 L501 - New Colour Blue (wheel slot 30)<br>161–165 L174 - Dark Steel Blue (wheel slot 31)<br>166–170 L165 - Daylight Blue (wheel slot 32)<br>171–175 L136 - Pale Lavender (wheel slot 33)<br>176–180 L194 - Surprice Pink (wheel slot 34)<br>181–185 L142 - Pale Violet (wheel slot 35)<br>186–190 L700 - Perfect Lavender (wheel slot 36)<br>191–195 L035 - Light Pink (wheel slot 37)<br>196–200 L794 - Pretty'n Pink (wheel slot 38)<br>201–205 L328 - Follies Pink (wheel slot 39)<br>206–210 L795 - Magical Magenta (wheel slot 40)<br>211–215 L154 - Pale Rose (wheel slot 41)<br>216–220 L127 - Smokey Pink (wheel slot 42)<br>221–225 L192 - Flesh Pink (wheel slot 43)<br>226–230 L332 - Special Rose Pink (wheel slot 44)<br>231–235 L790 - Moroccan Pink (wheel slot 45)<br>236–240 L157 - Pink (wheel slot 46)<br>241–245 R332 - Cherry Rose (wheel slot 47)<br>246–250 L128 - Cool LED Bright Pink (wheel slot 48)<br>251–255 NoFeature |

## TR16 (20Ch) (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **16** | C CT | 0 | 0–9 Disaled<br>10–24 1800K<br>25–39 2200K<br>40–54 2700K<br>55–69 3000K<br>70–84 3200K<br>85–99 4000K<br>100–114 4500K<br>115–129 5000K<br>130–144 5600K<br>145–159 6000K<br>160–174 6500K<br>175–189 7000K<br>190–204 8000K<br>205–255 10000K |
| **17** | Tint | 0 | 0–16 Disabled<br>17–116 +Magenta<br>117–139 Neutral<br>140–255 +Green |
| **18** | Shutter / Strobe | 0 | 0–9 Open<br>10–10 Min strobe<br>11–98 Strobe <><br>99–99 Max strobe<br>100–109 open<br>110–110 Shutter1StrobeEffect 3 · Min Lightning<br>111–178 Shutter1StrobeEffect 3 · Lightning <><br>179–179 Shutter1StrobeEffect 3 · Max lightning<br>180–189 Open<br>190–255 Random strobe |
| **19** | Zoom | 128 | |
| **20** | Control1 | 0 | 0–10 No Function<br>11–15 Tungsten emu enabled<br>16–20 Tungsten emu disabled<br>21–100 NoFeature 1<br>101–110 Dimmer Off<br>111–120 Dim4<br>121–150 NoFeature 2<br>151–160 1200Hz<br>161–170 2400Hz<br>171–180 4000Hz<br>181–190 6000Hz<br>191–200 25000Hz<br>201–210 All Reset<br>211–255 NoFeature 3 |