

DMX CHARTS

RDM Model ID: 0xD127

RDM Personality ID List

| ID | NAME | FOOTPRINT |
|----|-------------|-----------|
| 1 | UNO | 1CH |
| 2 | DUO | 2CH |
| 3 | BASIC | 5CH |
| 5 | BASIC 16BIT | 10CH |
| 6 | STANDARD | 9CH |
| 7 | EXTENDED | 12CH |
| 8 | ADVANCED | 18CH |

| PARAMETER | MODE | | | | | | |
|---------------|------|-----|-------|-------------|----------|----------|----------|
| | UNO | DUO | BASIC | BASIC 16BIT | STANDARD | EXTENDED | ADVANCED |
| DIMMER | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| DIMMER FINE | | 2 | | 2 | 2 | 2 | 2 |
| CCT | | | | | | 3 | 3 |
| CCT FINE | | | | | | | 4 |
| TINT | | | | | | 4 | 5 |
| CROSSFADE | | | | | | 5 | 6 |
| RED | | | 2 | 3 | 3 | 6 | 7 |
| RED FINE | | | | 4 | | | 8 |
| GREEN | | | 3 | 5 | 4 | 7 | 9 |
| GREEN FINE | | | | 6 | | | 10 |
| BLUE | | | 4 | 7 | 5 | 8 | 11 |
| BLUE FINE | | | | 8 | | | 12 |
| WHITE | | | 5 | 9 | 6 | 9 | 13 |
| WHITE FINE | | | | 10 | | | 14 |
| COLOR MACRO | | | | | 7 | 10 | 15 |
| CTO ON COLORS | | | | | | | 16 |
| STROBE | | | | | 8 | 11 | 17 |
| CONTROL | | | | | 9 | 12 | 18 |

Dimmer

| Function | 8 bit value | | 16 bit value | | Note |
|----------|-------------|-----|--------------|-------|-------------|
| | From | To | From | To | |
| Dimmer | 0 | 255 | 0 | 65535 | Default @ 0 |

Strobe

| Function | 8 bit value | | 16 bit value | | Note |
|-----------------------------|-------------|-----|--------------|----|---------------|
| | From | To | From | To | |
| Open | 0 | 1 | - | - | Default @ 255 |
| Strobe from Slow to Fast | 2 | 62 | - | - | |
| Open | 63 | 64 | - | - | |
| Pulse In from slow to fast | 65 | 125 | - | - | |
| Close | 126 | 127 | - | - | |
| Pulse Out from slow to fast | 128 | 188 | - | - | |
| Open | 189 | 190 | - | - | |
| Random from slow to fast | 191 | 251 | - | - | |
| Open | 252 | 255 | - | - | |

CCT

| Function | CCT From | CCT To | 8 bit value | | 16 bit value | | Note |
|----------|----------|--------|-------------|----|--------------|-------|-------------|
| | | | From | To | From | To | |
| | 2800 | 2900 | 0 | 4 | 0 | 910 | Default @ 0 |
| | 2900 | 3000 | 4 | 7 | 910 | 1820 | |
| | 3000 | 3100 | 7 | 11 | 1820 | 2731 | |
| | 3100 | 3200 | 11 | 14 | 2731 | 3641 | |
| | 3200 | 3300 | 14 | 18 | 3641 | 4551 | |
| | 3300 | 3400 | 18 | 21 | 4551 | 5461 | |
| | 3400 | 3500 | 21 | 25 | 5461 | 6371 | |
| | 3500 | 3600 | 25 | 28 | 6371 | 7282 | |
| | 3600 | 3700 | 28 | 32 | 7282 | 8192 | |
| | 3700 | 3800 | 32 | 35 | 8192 | 9102 | |
| | 3800 | 3900 | 35 | 39 | 9102 | 10012 | |
| | 3900 | 4000 | 39 | 43 | 10012 | 10923 | |
| | 4000 | 4100 | 43 | 46 | 10923 | 11833 | |
| | 4100 | 4200 | 46 | 50 | 11833 | 12743 | |
| | 4200 | 4300 | 50 | 53 | 12743 | 13653 | |
| | 4300 | 4400 | 53 | 57 | 13653 | 14563 | |
| | 4400 | 4500 | 57 | 60 | 14563 | 15474 | |
| | 4500 | 4600 | 60 | 64 | 15474 | 16384 | |
| | 4600 | 4700 | 64 | 67 | 16384 | 17294 | |
| | 4700 | 4800 | 67 | 71 | 17294 | 18204 | |
| | 4800 | 4900 | 71 | 74 | 18204 | 19114 | |
| | 4900 | 5000 | 74 | 78 | 19114 | 20025 | |
| | 5000 | 5100 | 78 | 81 | 20025 | 20935 | |
| | 5100 | 5200 | 81 | 85 | 20935 | 21845 | |
| | 5200 | 5300 | 85 | 89 | 21845 | 22755 | |
| | 5300 | 5400 | 89 | 92 | 22755 | 23665 | |
| | 5400 | 5500 | 92 | 96 | 23665 | 24576 | |

CCT

| Function | | 8 bit value | | 16 bit value | | Note |
|----------|--------|-------------|-----|--------------|-------|------|
| CCT From | CCT To | From | To | From | To | |
| 5500 | 5600 | 96 | 99 | 24576 | 25486 | |
| 5600 | 5700 | 99 | 103 | 25486 | 26396 | |
| 5700 | 5800 | 103 | 106 | 26396 | 27306 | |
| 5800 | 5900 | 106 | 110 | 27306 | 28216 | |
| 5900 | 6000 | 110 | 113 | 28216 | 29127 | |
| 6000 | 6100 | 113 | 117 | 29127 | 30037 | |
| 6100 | 6200 | 117 | 120 | 30037 | 30947 | |
| 6200 | 6300 | 120 | 124 | 30947 | 31857 | |
| 6300 | 6400 | 124 | 128 | 31857 | 32768 | |
| 6400 | 6500 | 128 | 131 | 32768 | 33678 | |
| 6500 | 6600 | 131 | 135 | 33678 | 34588 | |
| 6600 | 6700 | 135 | 138 | 34588 | 35498 | |
| 6700 | 6800 | 138 | 142 | 35498 | 36408 | |
| 6800 | 6900 | 142 | 145 | 36408 | 37319 | |
| 6900 | 7000 | 145 | 149 | 37319 | 38229 | |
| 7000 | 7100 | 149 | 152 | 38229 | 39139 | |
| 7100 | 7200 | 152 | 156 | 39139 | 40049 | |
| 7200 | 7300 | 156 | 159 | 40049 | 40959 | |
| 7300 | 7400 | 159 | 163 | 40959 | 41870 | |
| 7400 | 7500 | 163 | 166 | 41870 | 42780 | |
| 7500 | 7600 | 166 | 170 | 42780 | 43690 | |
| 7600 | 7700 | 170 | 174 | 43690 | 44600 | |
| 7700 | 7800 | 174 | 177 | 44600 | 45510 | |
| 7800 | 7900 | 177 | 181 | 45510 | 46421 | |
| 7900 | 8000 | 181 | 184 | 46421 | 47331 | |
| 8000 | 8100 | 184 | 188 | 47331 | 48241 | |
| 8100 | 8200 | 188 | 191 | 48241 | 49151 | |
| 8200 | 8300 | 191 | 195 | 49151 | 50061 | |
| 8300 | 8400 | 195 | 198 | 50061 | 50972 | |
| 8400 | 8500 | 198 | 202 | 50972 | 51882 | |
| 8500 | 8600 | 202 | 205 | 51882 | 52792 | |
| 8600 | 8700 | 205 | 209 | 52792 | 53702 | |
| 8700 | 8800 | 209 | 213 | 53702 | 54613 | |
| 8800 | 8900 | 213 | 216 | 54613 | 55523 | |
| 8900 | 9000 | 216 | 220 | 55523 | 56433 | |
| 9000 | 9100 | 220 | 223 | 56433 | 57343 | |
| 9100 | 9200 | 223 | 227 | 57343 | 58253 | |
| 9200 | 9300 | 227 | 230 | 58253 | 59164 | |
| 9300 | 9400 | 230 | 234 | 59164 | 60074 | |
| 9400 | 9500 | 234 | 237 | 60074 | 60984 | |
| 9500 | 9600 | 237 | 241 | 60984 | 61894 | |
| 9600 | 9700 | 241 | 244 | 61894 | 62804 | |
| 9700 | 9800 | 244 | 248 | 62804 | 63715 | |
| 9800 | 9900 | 248 | 251 | 63715 | 64625 | |
| 9900 | 10000 | 251 | 255 | 64625 | 65535 | |

Tint

| Function | 8 bit value | | 16 bit value | | Note |
|-----------|-------------|-----|--------------|----|--|
| | From | To | From | To | |
| -25% to 0 | 0 | 127 | - | - | Default @ 128 |
| Neutral | 128 | 128 | - | - | Linear tint correction from -0.25 to +0.25 |
| 0 to 25% | 129 | 255 | - | - | |

Crossfade from CCT to Color

| Function | 8 bit value | | 16 bit value | | Note |
|------------------|-------------|-----|--------------|-------|-----------------------|
| | From | To | From | To | |
| Linear Crossfade | 0 | 255 | 0 | 65535 | Default @ 255 / 65535 |

Red

| Function | 8 bit value | | 16 bit value | | Note |
|----------|-------------|-----|--------------|-------|-----------------------|
| | From | To | From | To | |
| 0 - 100% | 0 | 255 | 0 | 65535 | Default @ 255 / 65535 |

Green

| Function | 8 bit value | | 16 bit value | | Note |
|----------|-------------|-----|--------------|-------|-----------------------|
| | From | To | From | To | |
| 0 - 100% | 0 | 255 | 0 | 65535 | Default @ 255 / 65535 |

Blue

| Function | 8 bit value | | 16 bit value | | Note |
|----------|-------------|-----|--------------|-------|-----------------------|
| | From | To | From | To | |
| 0 - 100% | 0 | 255 | 0 | 65535 | Default @ 255 / 65535 |

White

| Function | 8 bit value | | 16 bit value | | Note |
|----------|-------------|-----|--------------|-------|-----------------------|
| | From | To | From | To | |
| 0 - 100% | 0 | 255 | 0 | 65535 | Default @ 255 / 65535 |

Color Macro

| Function | 8 bit value | | 16 bit value | | Note |
|-------------------|-------------|----|--------------|----|-------------|
| | From | To | From | To | |
| No Function | 0 | 1 | - | - | Default @ 0 |
| Red | 2 | 3 | - | - | |
| Green | 4 | 5 | - | - | |
| Blue | 6 | 7 | - | - | |
| Cyan | 8 | 9 | - | - | |
| Magenta | 10 | 11 | - | - | |
| Yellow | 12 | 13 | - | - | |
| Dirty White | 14 | 15 | - | - | |
| Alice Bllue | 16 | 17 | - | - | |
| Congo Blue | 18 | 19 | - | - | |
| Dark Steel Blue | 20 | 21 | - | - | |
| Deep Laven-der | 22 | 23 | - | - | |
| Lilac Ting | 24 | 25 | - | - | |
| Daylight Blue | 26 | 27 | - | - | |
| Flame Red | 28 | 29 | - | - | |
| Bastard Amber | 30 | 31 | - | - | |
| Deep Orange | 32 | 33 | - | - | |
| Pale Gold | 34 | 35 | - | - | |
| Apricot | 36 | 37 | - | - | |
| Bright Blue | 38 | 39 | - | - | |
| Primary Green | 40 | 41 | - | - | |
| Special Laven-der | 42 | 43 | - | - | |
| Pale Lavender | 44 | 45 | - | - | |
| Deep Golden Amber | 46 | 47 | - | - | |
| Medium Blue | 48 | 49 | - | - | |
| Bright Pink | 50 | 51 | - | - | |
| Mauve | 52 | 53 | - | - | |
| Dark Green | 54 | 55 | - | - | |
| Lee Green | 56 | 57 | - | - | |
| Dark Blue | 58 | 59 | - | - | |
| Light Blue | 60 | 61 | - | - | |
| Steel Blue | 62 | 63 | - | - | |
| Medium Blue-Green | 64 | 65 | - | - | |
| Peacock Blue | 66 | 67 | - | - | |
| Magenta | 68 | 69 | - | - | |
| Dark Pink | 70 | 71 | - | - | |
| Middle Rose | 72 | 73 | - | - | |
| Light Salmon | 74 | 75 | - | - | |
| English Rose | 76 | 77 | - | - | |
| Light Rose | 78 | 79 | - | - | |
| Orange | 80 | 81 | - | - | |
| Deep Amber | 82 | 83 | - | - | |

Color Macro

| Function | 8 bit value | | 16 bit value | | Note |
|----------------------------|-------------|-----|--------------|----|------|
| | From | To | From | To | |
| Straw | 84 | 85 | - | - | |
| Light Amber | 86 | 87 | - | - | |
| Spring Yellow | 88 | 89 | - | - | |
| Dark Yellow Green | 90 | 91 | - | - | |
| Just Blue | 92 | 93 | - | - | |
| Sky Blue | 94 | 95 | - | - | |
| Lavender | 96 | 97 | - | - | |
| Light Lavender | 98 | 99 | - | - | |
| Pink Carnation | 100 | 101 | - | - | |
| Medium Pink | 102 | 103 | - | - | |
| Light Pink | 104 | 105 | - | - | |
| Sunset Red | 106 | 107 | - | - | |
| Dark Amber | 108 | 109 | - | - | |
| Gold Amber | 110 | 111 | - | - | |
| Medium Amber | 112 | 113 | - | - | |
| Fire | 114 | 115 | - | - | |
| Surprise Peach | 116 | 117 | - | - | |
| Straw Tint | 118 | 119 | - | - | |
| Medium Yellow | 120 | 121 | - | - | |
| Lee Minus Green | 122 | 123 | - | - | |
| Pale Gold | 124 | 125 | - | - | |
| Orange | 126 | 127 | - | - | |
| Deep Straw | 128 | 129 | - | - | |
| Rose Purple | 130 | 131 | - | - | |
| Deep Purple | 132 | 133 | - | - | |
| Soft Green | 134 | 135 | - | - | |
| Reserved for future use | 136 | 209 | - | - | |
| 2700K | 210 | 211 | - | - | |
| 2800K | 212 | 213 | - | - | |
| 3000K | 214 | 215 | - | - | |
| 3200K | 216 | 217 | - | - | |
| 3400K | 218 | 219 | - | - | |
| 3600K | 220 | 221 | - | - | |
| 3800K | 222 | 223 | - | - | |
| 4000K | 224 | 225 | - | - | |
| 4200K | 226 | 227 | - | - | |
| 4400K | 228 | 229 | - | - | |
| 4600K | 230 | 231 | - | - | |
| 4800K | 232 | 233 | - | - | |
| 5000K | 234 | 235 | - | - | |
| 5200K | 236 | 237 | - | - | |
| 5400K | 238 | 239 | - | - | |

Color Macro

| Function | 8 bit value | | 16 bit value | | Note |
|----------|-------------|-----|--------------|----|------|
| | From | To | From | To | |
| 5600K | 240 | 241 | - | - | |
| 6000K | 242 | 243 | - | - | |
| 6500K | 244 | 245 | - | - | |
| 7000K | 246 | 247 | - | - | |
| 8000K | 248 | 249 | - | - | |
| 9000K | 250 | 251 | - | - | |
| 10000K | 252 | 253 | - | - | |
| FULL ON | 254 | 255 | - | - | |

CTO On Colors

| Function | 8 bit value | | 16 bit value | | Note |
|----------|-------------|-----|--------------|----|-------------|
| | From | To | From | To | |
| 0 - 100% | 0 | 255 | - | - | Default @ 0 |

Control Channel

| Function | 8 bit value | | 16 bit value | | Note |
|---------------------------------|-------------|----|--------------|----|--------------------------|
| | From | To | From | To | |
| No Functon | 0 | 1 | - | - | Default @ 0 |
| DISPLAY ON | 2 | 3 | - | - | Hold 3s to take function |
| DISPLAY 10S | 4 | 5 | - | - | |
| DISPLAY 20S | 6 | 7 | - | - | |
| DISPLAY 30S | 8 | 9 | - | - | |
| FLIP DISPLAY ON | 10 | 11 | - | - | |
| FLIP DISPLAY OFF | 12 | 13 | - | - | |
| KEY LOCK ON | 14 | 15 | - | - | |
| KEY LOCK OFF | 16 | 17 | - | - | |
| DIMMER CURVE LINEAR | 18 | 19 | - | - | |
| DIMMER CURVE S-CURVE | 20 | 21 | - | - | |
| DIMMER CURVE SQUARE LAW | 22 | 23 | - | - | |
| DIMMER CURVE INVERSE SQUARE LAW | 24 | 25 | - | - | |
| DIMMER SPEED AUTO | 26 | 27 | - | - | |
| DIMMER SPEED FAST | 28 | 29 | - | - | |
| DIMMER SPEED MEDIUM | 30 | 31 | - | - | |
| DIMMER SPEED SLOW | 32 | 33 | - | - | |
| SPEKTRA CALIBRATION ON | 34 | 35 | - | - | |
| SPEKTRA CALIBRATION PURE COLORS | 36 | 37 | - | - | |
| SPEKTRA CALIBRATION OFF | 38 | 39 | - | - | |
| LED MODE HIGH QUALITY | 40 | 41 | - | - | |
| LED MODE HIGH BRIGHTNESS | 42 | 43 | - | - | |
| LED FREQUENCY 600HZ | 44 | 45 | - | - | |
| LED FREQUENCY 1200HZ | 46 | 47 | - | - | |
| LED FREQUENCY 2000HZ | 48 | 49 | - | - | |
| LED FREQUENCY 4000HZ | 50 | 51 | - | - | |

Control Channel

| Function | 8 bit value | | 16 bit value | | Note |
|------------------------------|-------------|-----|--------------|----|------|
| | From | To | From | To | |
| LED FREQUENCY 6000HZ | 52 | 53 | - | - | |
| LED FREQUENCY 25KHZ | 54 | 55 | - | - | |
| LED FREQUENCY 36KHZ | 56 | 57 | - | - | |
| LED FREQUENCY 40KHZ | 58 | 59 | - | - | |
| DMX FAULT HOLD | 60 | 61 | - | - | |
| DMX FAULT BLACKOUT | 62 | 63 | - | - | |
| DMX FAULT STAND ALONE | 64 | 65 | - | - | |
| DMX FAULT EMERGENCY | 66 | 67 | - | - | |
| FAN MODE AUTO | 68 | 69 | - | - | |
| FAN MODE HIGH | 70 | 71 | - | - | |
| FAN MODE SILENT | 72 | 73 | - | - | |
| FAN MODE OFF | 74 | 75 | - | - | |
| TUNGSTEN EMULATION ON | 76 | 77 | - | - | |
| TUNGSTEN EMULATION OFF | 78 | 79 | - | - | |
| OUTPUT CONTROL CONSTANT | 80 | 81 | - | - | |
| OUTPUT CONTROL DYNAMIC | 82 | 83 | - | - | |
| STAND ALONE MASTER DMX | 84 | 85 | - | - | |
| STAND ALONE MASTER NO DMX | 86 | 87 | - | - | |
| STAND ALONE SLAVE | 88 | 89 | - | - | |
| STAND ALONE EFFECTS | 90 | 91 | - | - | |
| STAND ALONE FIXED COLORS | 92 | 93 | - | - | |
| STAND ALONE CCT | 94 | 95 | - | - | |
| STAND ALONE WHITE PRESETS | 96 | 97 | - | - | |
| STAND ALONE COLOR MACROS | 98 | 99 | - | - | |
| STAND ALONE MANUAL COLORS | 100 | 101 | - | - | |
| Reserved | 102 | 249 | - | - | |
| Reset all channel controlled | 250 | 251 | - | - | |
| Reserved | 252 | 255 | - | - | |