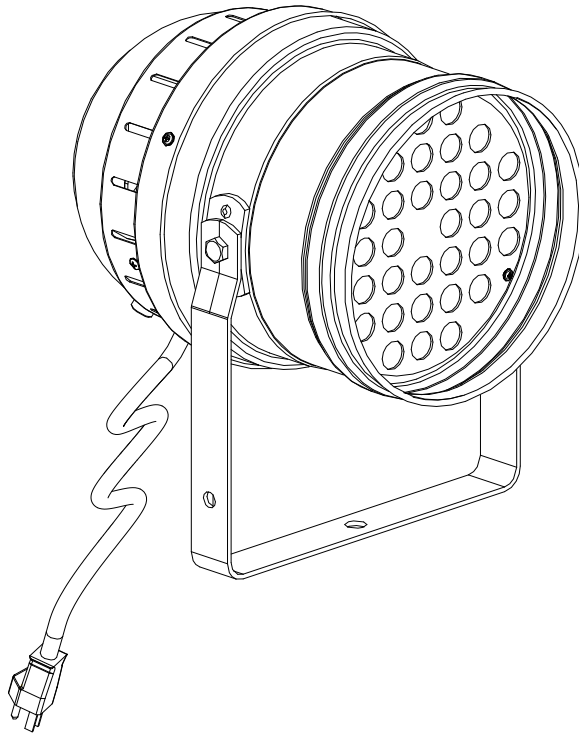




mbtlighting.com

LEDWPAR64PRO User Manual



Introduction

Thank you for using high power PAR light. This light has 4 working modes: DMX, Auto, Sound, Master-slave and uses operating panel of dial switch. For the easy operation and good figuration, it is applicable to all kinds of amenities and housing party.



Please read manual carefully before using the fixture and keep it in your hand for your reference in future.

NOTE

Caustic or deliquescent chemical can cause damage to the housing.

The operation temperature must be below $+40^{\circ}\text{C}$ and humidity is 0~95%, it will shorten life of fixture if beyond the range.



Indoor Use only

Warning

Please not connect fixture to the power when it is in the package box, except presentation.

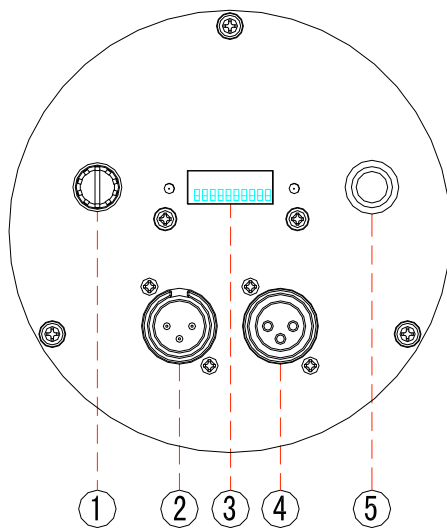
Please not connect high power before installation and make sure it is grounded.
 Don't dismantle the fixture and please contact technician to repair if having any problem.
 Input Power should be matched with fixture requested.

Specification

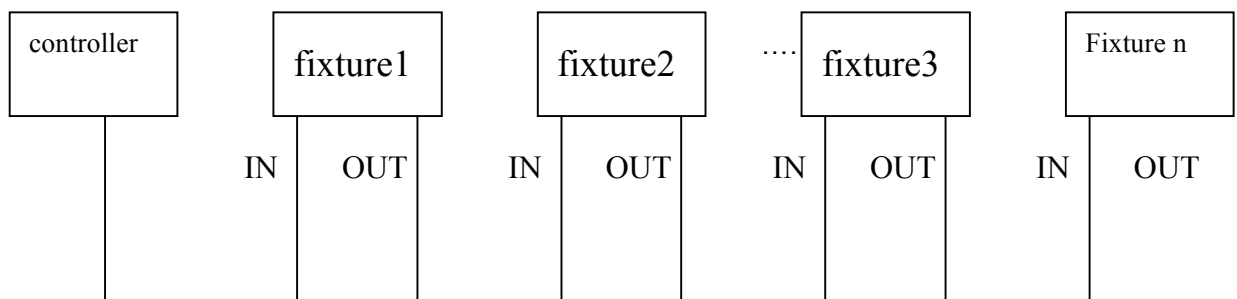
- 1、 Voltage: AC120V
- 2、 Power: 45W
- 3、 light resource: 36 pcs 1w white LED
- 4、 Function: DMX, Auto, Sound, Master-slave
- 5、 DMX Channel: 2
- 6、 Fuse: Φ 5X20MM 2A/125V
- 7、 Dimensions: 277x258x319mm
- 8、 Net weight: 2.8 KG

Panel Instruction

- 1、 Sensitivity 2、 DMX Input 3、 DIP SWITCH 4、 DMX Output 5、 MIC



Multi-fixtures connection

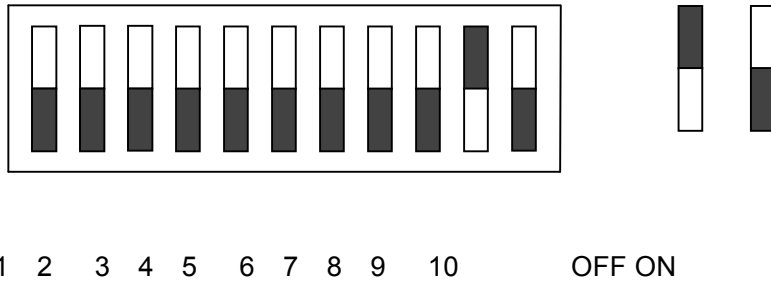


The definition of Pin for DMX connector: Pin1 = Gnd Pin2 = Dmx- Pin3 = Dmx+

Function Introduction

1. DMX Mode;
2. Master- slave mode
3. Auto mode;
4. Sound mode;

Operation Instruction:



Dipswitch instruction

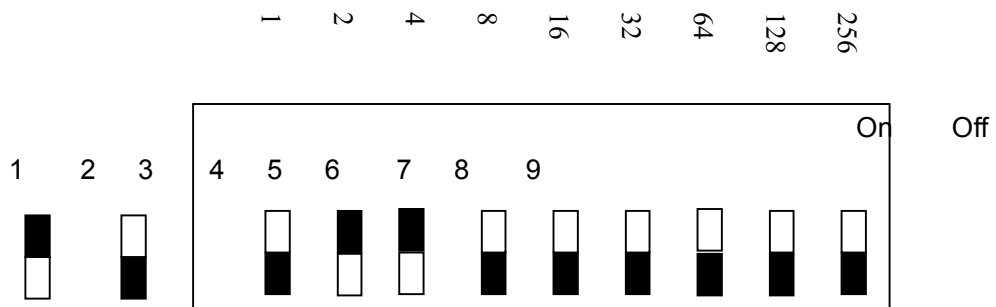
As above figure of dipswitch showed, 1 is “on” and other is “OFF”. “#1”~“#10” stand for “dipswitch1” ~“dipswitch10”. “1” means “on” and “0” means “off” and “*” means “on” or “off” is ok (there is no function for dipswitch). X means it can set to 1 or 0 according to designing needs.

Brief function chart

| Mode | #1 | #2 | #3 | #4 | #5 | #6 | #7 | #8 | #9 | #10 | Description |
|--------|-----------------|----|----|----|----|----|----|----|----|-----|--|
| DMX | Set DMX address | | | | | | | | | 0 | Enter DMX mode |
| Auto | S0 | S0 | S0 | S0 | S0 | S0 | S0 | 0 | 0 | 1 | Strobe |
| | S0 | S0 | S0 | S0 | S0 | S0 | S0 | 1 | 1 | 1 | Gradation |
| Manual | C | C | C | C | S1 | S1 | S1 | 1 | 0 | 1 | “S1” select speed of strobe “C” select color brightness |
| Sound | * | * | * | * | * | * | M | 0 | 1 | 1 | “M=0” mode 1 “M=1” mode 2 |

NOTE! Important

- Sound:
 - no FADE; ②run to sound;
- Connect DMX controller with the fixture through 3-pin XLR signal cord.
- In master/slave mode, one of them was set to Auto mode or sound mode and others was set to submachine, so fixtures can run at same time.
- DMX address settings :



Switch #1 =0; Switch #2 =2; Switch #3 =4; Switch #4 = 0; Switch #5 =0; Switch #6 = 0; Switch #7 = 0; Switch #8 = 0; Switch #9 = 0; so value for address: $0+2+4+0+0+0+0+0+0 = 6$, so address is 6.

5 Auto mode :

| S0 speed selection | | | | | | | |
|--------------------|----|----|----|----|----|----|------|
| #1 | #2 | #3 | #4 | #5 | #6 | #7 | Des |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | slow |
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | ↓ |
| 0 | 0 | 1 | 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | 1 | 0 | 0 | |
| 0 | 0 | 0 | 0 | 0 | 1 | 0 | |
| 0 | 0 | 0 | 0 | 0 | 0 | 1 | |
| 0 | 0 | 0 | 0 | 0 | 0 | 1 | |
| others | | | | | | | on |

6. Manuel mode:

| C color selection | | | | | value | S1 speed selection | | | |
|-------------------|----|----|----|-----------|-------|--------------------|----|----|------|
| #1 | #2 | #3 | #4 | Des | | #5 | #6 | #7 | Des |
| 0 | 0 | 0 | 0 | off | 0 | 0 | 0 | 0 | on |
| 1 | 0 | 0 | 0 | dark ↓ | 1 | 1 | 0 | 0 | slow |
| 0 | 1 | 0 | 0 | | 2 | 0 | 1 | 0 | ↓ |
| 1 | 1 | 0 | 0 | | 3 | 1 | 1 | 0 | |
| 0 | 0 | 1 | 1 | | 4 | 0 | 0 | 1 | |
| 1 | 0 | 1 | 0 | | 5 | 1 | 0 | 1 | |
| 0 | 1 | 1 | 0 | | 6 | 0 | 1 | 1 | |
| 1 | 1 | 1 | 0 | | 7 | 1 | 1 | 1 | |
| 0 | 0 | 0 | 1 | | 8 | | | | |
| 1 | 0 | 0 | 1 | | 9 | | | | |
| 0 | 1 | 0 | 1 | | 10 | | | | |
| 1 | 1 | 0 | 1 | | 11 | | | | |
| 0 | 0 | 1 | 1 | | 12 | | | | |
| 1 | 0 | 1 | 1 | 13 | | | | | |
| 0 | 1 | 1 | 1 | 14 | | | | | |
| 1 | 1 | 1 | 1 | 15 | | | | | |
| | | | | | light | | | | |

DMX channel setting:

| NO. | DMX value | function |
|-----|-----------|--|
| CH1 | 000~255 | LED brightness dimmer |
| CH2 | 000~015 | Dimmer mode ,LED no strobe |
| | 016~130 | strobe, CH1>15 adjust brightness, CH2 adjust speed |
| | 131~240 | dimmer, CH1>15 dimmer , CH2 adjust speed |
| | 241~255 | 240<CH2<250 sound mode 1 250<CH2<255 sound mode 2 |

Master/slave mode

The fixtures can run at M/S mode when there are more than one par lights, which can work simultaneously

The way of setting dipswitch is as follow:

- 1.Master: Dipswitch 1 is ON
- 2.slave: Dipswitch 1 is OFF

NOTE: In M/S mode, only one was set to master and other should be set to slave, or they can't work normally.

Sound mode

In this mode, the fixture run as same as in Auto mode, just activated by sound you can adjust sensibility by potentiometer on panel.

Trouble Shooting

| Troubles | Reason | Trouble shooting |
|---|---|---|
| One or more fixtures can work | No power | Check if power switch is on and cable is connected well |
| | Fuse is burned | Change new fuse when power is off. If it is burnt again, circuits maybe have some problem, please contact technician |
| Fixture is no problem, but can't work when it is connected to controller or other fixtures. | Data cables can't be connected correctly | Check, repair or change the data cable and make sure good connection. While please connect the first fixture and controller. |
| | Set a wrong address code | Check if address code is set correctly(Pleas note that it can't set Master when connect DMX controller) |
| | Some trouble in signal connector of one fixture | Please connect signal IN and OUT directly for one fixture and check if it can work normally. As per this way, please find trouble fixture and let technician repair |

Address code chart

Address setting for dipswitch

| DMX DIP SWITCH SET | | | | | #9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
|--------------------|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|---|
| 0= OFF | | | | | #8 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | |
| 1= ON | | | | | #7 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | |
| X= OFF or ON | | | | | #6 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| #1 | #2 | #3 | #4 | #5 | | | | | | | | | | | | | | | | | | | |
| 0 | 0 | 0 | 0 | 0 | | 32 | 64 | 96 | 128 | 160 | 192 | 224 | 256 | 288 | 320 | 352 | 384 | 416 | 448 | 480 | | | |
| 1 | 0 | 0 | 0 | 0 | | 1 | 33 | 65 | 97 | 129 | 161 | 193 | 225 | 257 | 289 | 321 | 353 | 385 | 417 | 449 | 481 | | |
| 0 | 1 | 0 | 0 | 0 | | 2 | 34 | 66 | 98 | 130 | 162 | 194 | 226 | 258 | 290 | 322 | 354 | 386 | 418 | 450 | 482 | | |
| 1 | 1 | 0 | 0 | 0 | | 3 | 35 | 67 | 99 | 131 | 163 | 195 | 227 | 259 | 291 | 323 | 355 | 387 | 419 | 451 | 483 | | |
| 0 | 0 | 1 | 0 | 0 | | 4 | 36 | 68 | 100 | 132 | 164 | 196 | 228 | 260 | 292 | 324 | 356 | 388 | 420 | 452 | 484 | | |
| 1 | 0 | 1 | 0 | 0 | | 5 | 37 | 69 | 101 | 133 | 165 | 197 | 229 | 261 | 293 | 325 | 357 | 389 | 421 | 453 | 485 | | |
| 0 | 1 | 1 | 0 | 0 | | 6 | 38 | 70 | 102 | 134 | 166 | 198 | 230 | 262 | 294 | 326 | 358 | 390 | 422 | 454 | 486 | | |
| 1 | 1 | 1 | 0 | 0 | | 7 | 39 | 71 | 103 | 135 | 167 | 199 | 231 | 263 | 295 | 327 | 359 | 391 | 423 | 455 | 487 | | |
| 0 | 0 | 0 | 1 | 0 | | 8 | 40 | 72 | 104 | 136 | 168 | 200 | 232 | 264 | 296 | 328 | 360 | 392 | 424 | 456 | 488 | | |
| 1 | 0 | 0 | 1 | 0 | | 9 | 41 | 73 | 105 | 137 | 169 | 201 | 233 | 265 | 297 | 329 | 361 | 393 | 425 | 457 | 489 | | |
| 0 | 1 | 0 | 1 | 0 | | 10 | 42 | 74 | 106 | 138 | 170 | 202 | 234 | 266 | 298 | 330 | 362 | 394 | 426 | 458 | 490 | | |
| 1 | 1 | 0 | 1 | 0 | | 11 | 43 | 75 | 107 | 139 | 171 | 203 | 235 | 267 | 299 | 331 | 363 | 395 | 427 | 459 | 491 | | |
| 0 | 0 | 1 | 1 | 0 | | 12 | 44 | 76 | 108 | 140 | 172 | 204 | 236 | 268 | 300 | 332 | 364 | 396 | 428 | 460 | 492 | | |
| 1 | 0 | 1 | 1 | 0 | | 13 | 45 | 77 | 109 | 141 | 173 | 205 | 237 | 269 | 301 | 333 | 365 | 397 | 429 | 461 | 493 | | |
| 0 | 1 | 1 | 1 | 0 | | 14 | 46 | 78 | 110 | 142 | 174 | 206 | 238 | 270 | 302 | 334 | 366 | 398 | 430 | 462 | 494 | | |
| 1 | 1 | 1 | 1 | 0 | | 15 | 47 | 79 | 111 | 143 | 175 | 207 | 239 | 271 | 303 | 335 | 367 | 399 | 431 | 463 | 495 | | |
| 0 | 0 | 0 | 0 | 1 | | 16 | 48 | 80 | 112 | 144 | 176 | 208 | 240 | 272 | 304 | 336 | 368 | 400 | 432 | 464 | 496 | | |
| 1 | 0 | 0 | 0 | 1 | | 17 | 49 | 81 | 113 | 145 | 177 | 209 | 241 | 273 | 305 | 337 | 369 | 401 | 433 | 465 | 497 | | |
| 0 | 1 | 0 | 0 | 1 | | 18 | 50 | 82 | 114 | 146 | 178 | 210 | 242 | 274 | 306 | 338 | 370 | 402 | 434 | 466 | 498 | | |
| 1 | 1 | 0 | 0 | 1 | | 19 | 51 | 83 | 115 | 147 | 179 | 211 | 243 | 275 | 307 | 339 | 371 | 403 | 435 | 467 | 499 | | |
| 0 | 0 | 1 | 0 | 1 | | 20 | 52 | 84 | 116 | 148 | 180 | 212 | 244 | 276 | 308 | 340 | 372 | 404 | 436 | 468 | 500 | | |
| 1 | 0 | 1 | 0 | 1 | | 21 | 53 | 85 | 117 | 149 | 181 | 213 | 245 | 277 | 309 | 341 | 373 | 405 | 437 | 469 | 501 | | |
| 0 | 1 | 1 | 0 | 1 | | 22 | 54 | 86 | 118 | 150 | 182 | 214 | 246 | 278 | 310 | 342 | 374 | 406 | 438 | 470 | 502 | | |
| 1 | 1 | 1 | 0 | 1 | | 23 | 55 | 87 | 119 | 151 | 183 | 215 | 247 | 279 | 311 | 343 | 375 | 407 | 439 | 471 | 503 | | |
| 0 | 0 | 0 | 1 | 1 | | 24 | 56 | 88 | 120 | 152 | 184 | 216 | 248 | 280 | 312 | 344 | 376 | 408 | 440 | 472 | 504 | | |
| 1 | 0 | 0 | 1 | 1 | | 25 | 57 | 89 | 121 | 153 | 185 | 217 | 249 | 281 | 313 | 345 | 377 | 409 | 441 | 473 | 505 | | |
| 0 | 1 | 0 | 1 | 1 | | 26 | 58 | 90 | 122 | 154 | 186 | 218 | 250 | 282 | 314 | 346 | 378 | 410 | 442 | 474 | 506 | | |
| 1 | 1 | 0 | 1 | 1 | | 27 | 59 | 91 | 123 | 155 | 187 | 219 | 251 | 283 | 315 | 347 | 379 | 411 | 443 | 475 | 507 | | |
| 0 | 0 | 1 | 1 | 1 | | 28 | 60 | 92 | 124 | 156 | 188 | 220 | 252 | 284 | 316 | 348 | 380 | 412 | 444 | 476 | 508 | | |
| 1 | 0 | 1 | 1 | 1 | | 29 | 61 | 93 | 125 | 157 | 189 | 221 | 253 | 285 | 317 | 349 | 381 | 413 | 445 | 477 | 509 | | |
| 0 | 1 | 1 | 1 | 1 | | 30 | 62 | 94 | 126 | 158 | 190 | 222 | 254 | 286 | 318 | 350 | 382 | 414 | 446 | 478 | 510 | | |
| 1 | 1 | 1 | 1 | 1 | | 31 | 63 | 95 | 127 | 159 | 191 | 223 | 255 | 287 | 319 | 351 | 383 | 415 | 447 | 479 | 511 | | |

Address setting for dipswitch

Address code