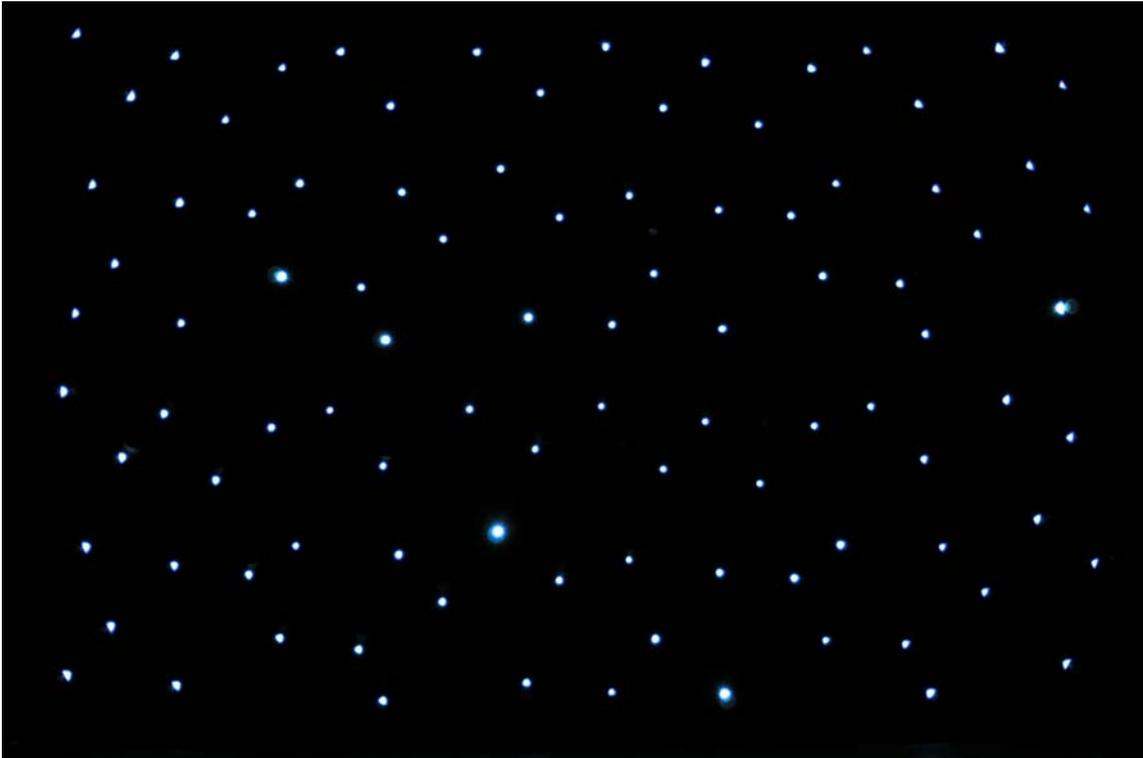




WWW.PROLIGHT.CO.UK



Professional DMX Stage Backdrop

- 6m x 3.0m DMX (order code: STAR07)
- 8m x 4.5m DMX (order code: STAR06)

USER MANUAL

WARNING

**FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY
BEFORE YOUR INITIAL START-UP!**



CAUTION!

**Keep this equipment away from rain,
moisture and liquids.**



SAFETY INSTRUCTIONS

Every person involved with the installation, operation & maintenance of this equipment should:

- Be competent
- Follow the instructions of this manual



**CAUTION! TAKE CARE USING THIS EQUIPMENT!
HIGH VOLTAGE-RISK OF ELECTRIC SHOCK!!**



Before your initial start-up, please make sure that there is no damage caused during transportation. Should there be any, consult your dealer and do not use the equipment.

To maintain the equipment in good working condition and to ensure a safe operation, it is necessary for the user to follow the safety instructions and warning notes written in this manual.

Please note that damages caused by user modifications to this equipment are not subject to warranty.

IMPORTANT:

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorised modification to the equipment.

- Never let the power-cable come into contact with other cables. Handle the power-cable and all mains voltage connections with particular caution!
- Never remove warning or informative labels from the equipment.
- Do not open the equipment and do not modify the equipment.
- Do not connect this equipment to a dimmer-pack.
- Do not switch the equipment on and off in short intervals, as this will reduce the system's life.
- Only use the equipment indoors.
- Do not expose to flammable sources, liquids or gases.
- Always disconnect the power from the mains when equipment is not in use or before cleaning! Only handle the power-cable by the plug. Never pull out the plug by pulling the power-cable.
- Make sure that the available voltage is between 220v/240v.
- Make sure that the power-cable is never crimped or damaged. Check the equipment and the power-cable periodically.
- If the equipment is dropped or damaged, disconnect the mains power supply immediately. Have a qualified engineer inspect the equipment before operating again.
- If the equipment has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation might damage the equipment. Leave the equipment switched off until it has reached room temperature.
- If your product fails to function correctly, discontinue use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Prolight dealer for service.
- Only use fuses of same type and rating.
- Repairs, servicing and power connection must only be carried out by a qualified technician. THIS UNIT CONTAINS NO USER SERVICEABLE PARTS.
- WARRANTY; One year from date of purchase.

OPERATING DETERMINATIONS

If this equipment is operated in any other way, than those described in this manual, the product may suffer damage and the warranty becomes void.

Incorrect operation may lead to danger e.g.: short-circuit, burns, electric shocks, lamp failure etc.

Do not endanger your own safety and the safety of others!
Incorrect installation or use can cause serious damage to people and property!

Rigging

Please follow the European and national guidelines concerning rigging, trussing and all other safety issues.

Procedure:

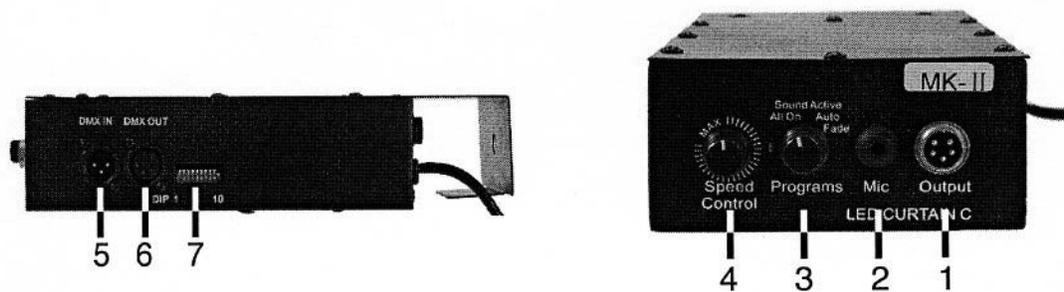
- The Star Cloth must never be allowed to swing freely in the room
- When rigging, de-rigging or servicing the cloth, always make sure, that the surrounding area is clear.

Improper installation can cause serious damage to people and property!

Description of the equipment

Features

- LED Star cloth
- separate controller offering 4 modes of operation
- Optional DMX interface



1. Output to LED cloth
2. Microphone
3. Programs: All on/sound activate/auto/fade
4. Speed control
5. DMX in
6. DMX out
7. Dipswitches

DMX Operation

- The DMX star cloth has 5 channels, individual channels (1 – 4), and master channel (5).

DMX dipswitch value guide

| CHANNEL | FUNCTION |
|---------|---|
| 1 | Channel 1 LEDES on cloth 0 – 20 Blackout 21 – 230 Flash speed 231 – 255 Full on |
| 2 | Channel 2 LEDES on cloth 0 – 20 Blackout 21 – 230 Flash speed 231 – 255 Full on |
| 3 | Channel 3 LEDES on cloth 0 – 20 Blackout 21 – 230 Flash speed 231 – 255 Full on |
| 4 | Channel 4 LEDES on cloth 0 – 20 Blackout 21 – 230 Flash speed 231 – 255 Full on |
| 5 | Master 0 – 100 All channels flash at speed set by above 101 – 255 All Channels full on |

Stand Alone Operation

- To activate the stand alone feature on this controller dipswitch #10 must be switched to the “**ON**” position.

DMX-512:

- DMX (Digital Multiplex) is a universal protocol used as a form of communication between intelligent fixtures and controllers. A DMX controller sends DMX data instructions from the controller to the fixture. DMX data is sent as serial data that travels from fixture to fixture via the DATA “IN” and DATA “OUT” XLR terminals located on all DMX fixtures (most controllers only have a data “out” terminal).

DMX Linking:

- DMX is a language allowing all makes and models of different manufactures to be linked together and operate from a single controller, as long as all fixtures and the controller are DMX compliant. To ensure proper DMX data transmission, when using several DMX fixtures try to use the shortest cable path possible. The order in which fixtures are connected in a DMX line does not influence the DMX addressing. For example; a fixture assigned to a DMX address of 1 may be placed anywhere in a DMX line, at the beginning, at the end, or anywhere in the middle. When a fixture is assigned a DMX address of 1, the DMX controller knows to send DATA assigned to address 1 to that unit, no matter where it is located in the DMX chain.

DATA Cable (DMX cable) requirements (for DMX operation):

- The LEDJ DMX Stage Backdrop can be controlled via DMX-512 protocol. The DMX address is set on the back of the unit. Your unit and your DMX controller require a standard 3-pin XLR connector for data input/output (figure 1).



Further DMX cables can be purchased from all good sound and lighting suppliers or Prolight dealers. Please quote:

CABL10 – 2M
CABL11 – 5M
CABL12 – 10M

Figure 1

Also remember that DMX cable must be daisy chained and cannot be split.

Notice:

- Be sure to follow figures 2 & 3 when making your own cables. Do not connect the cable's shield conductor to the ground lug or allow the shield conductor to come in contact with the XLR's outer casing. Grounding the shield could cause a short circuit and erratic behaviour.

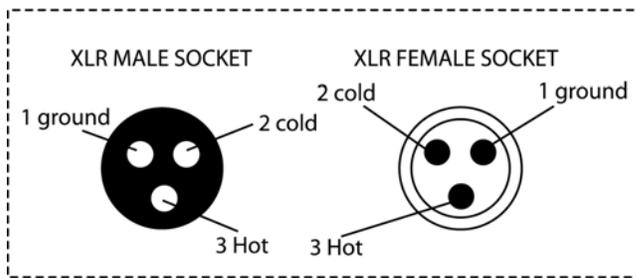
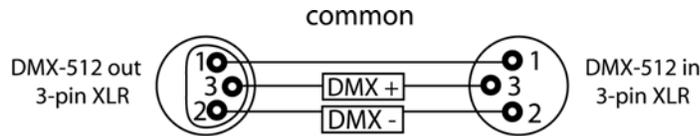


FIGURE 3

| XLR Pin Configuration |
|-----------------------|
| Pin 1 = Ground |
| Pin 2 = Negative |
| Pin 3 = Postive |

FIGURE 2

Special Note: Line termination:

- When longer runs of cable are used, you may need to use a terminator on the last unit to avoid erratic behaviour.

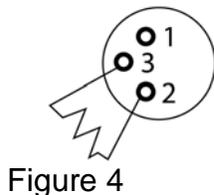


Figure 4

Termination reduces signal transmission problems and interference. It is always advisable to connect a DMX terminal, (resistance 120 Ohm 1/4W) between Pin 2 (DMX-) and Pin 3 (DMX+) of the last fixture

Using a cable terminator (part number CABL90) will decrease the possibilities of erratic behaviour.

5-Pin XLR DMX Connectors:

- Some manufactures use 5-pin XLR connectors for data transmission in place of 3-pin. 5-Pin XLR fixtures may be implemented in a 3-pin XLR DMX line. When inserting standard 5-pin XLR connectors in to a 3-pin line a cable adaptor must be used. The Chart below details the correct cable conversion.

| 3- Pin XLR to 5-PIN XLR Conversion | | |
|------------------------------------|---------------|--------------|
| Conductor | 3-Pin XLR out | 5-Pin XLR in |
| Ground shield | Pin 1 | Pin 1 |
| Negative (-) | Pin 2 | Pin 2 |
| Positive (+) | Pin 3 | Pin 3 |

DMX Dipswitch Quick Reference Chart

Dip Switch Position

| DMX DIP SWITCH SET 0=OFF 1=ON | | | | | #9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
|-------------------------------------|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|---|
| | | | | | #8 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| | | | | | #7 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 |
| | | | | | #6 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 |
| #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 | | |

Dip Switch Position

DMX Address

Maintenance

The Star Cloth requires almost no maintenance. However, you should keep the unit clean, otherwise, the fixture's light-output will be significantly reduced. Disconnect the mains power supply, and then wipe the cover with a damp cloth. Do not immerse in liquid. The cloth will require monthly cleaning, as smoke-fluid tends to build up residues, reducing the light-output very quickly. Do not use alcohol or solvents. Keep connections clean. Disconnect the power, and then wipe the connections with a damp cloth. Make sure connections are thoroughly dry before re-connecting the power supply.

The following points have to be considered during the inspection:

1. All screws used for installing the device have to be tightly connected and must not be corroded.
2. There should not be any deformations on housing, fixing and installation points.
3. The electric power supply cables must not show any damages or material fatigue.

Replacing a Fuse

Power surges, short-circuit or inappropriate electrical power supply may cause a fuse to burn out. If the fuse burns out, the product will not function whatsoever. If this happens, follow the directions below.

1. Unplug the unit from electric power supply.
2. Insert a flat-headed screwdriver into a slot in the fuse cover. Turn the screwdriver to the left, at the same time gently push (Turn and Push). The fuse will come out.
3. Remove the used fuse. If brown or unclear, it has burned out.
4. Insert the replacement fuse into the holder where the old fuse was. Reinsert the fuse cover.
Be sure to use a fuse of the same type and specification. See the product specification label for details.