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LED Par 64 Short Q4-18 ORDERCODE 42468 Highlite International B.V.Congratulations! You have bought a great, innovative product from Showtec. The Showtec LED Par 64 brings excitement to any venue. Whether you want simple plug-&-play action or a sophisticated DMX show, this product provides the effect you need. You can rely on Showtec, for more excellent lighting products. We design and manufacture professional light equipment for the entertainment industry. New products are being launched regularly. We work hard to keep you, our customer, satisfied.Showtec Showtec LED Par 64 Product Guide Warning..... Safety-instructions. Operating Determinations. Rigging. Return Procedure..... Claims.....WARNING FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY BEFORE YOUR INITIAL START-UP! Unpacking Instructions Immediately upon receiving this product, carefully unpack the carton and check the contents to ensure that all parts are present, and have been received in good condition. Notify the dealer immediately and retain packing material for inspection if any parts appear damaged from shipping or the carton itself shows signs of mishandling. Save the carton and all packing materials. Never let the power-cord come into contact with other cables! Handle the power-cord and all connections with the mains with particular caution! Never remove warning or informative labels from the unit. Never use anything to cover the ground contact. Never look directly into the light source. Never leave any cables lying around. Never use the device during thunderstorms, unplug the device immediately,OPERATING DETERMINATIONS This device is not designed for permanent operation. Consistent operation breaks will ensure that the device will serve you for a long time without defects. The minimum distance between light-output and the illuminated surface must be more than 1.5 meter. The maximum ambient temperature ta = 45°C must never be exceeded. The relative humidity must not exceed 50 % with an ambient temperature of 45 C.Connection with the mains Connect the device to the mains with the power-plug. Always pay attention, that the right color cable is connected to the right place. International EU Cable UK Cable US Cable Pin I. BROWN RED YELLOW/COPPER FASE N BLUE BLACK SILVER NUL YELLOW/GREEN GREEN GREEN EARTH Make sure that the device is always connected properly to the earth! Return Procedure Returned merchandise must be sent prepaid and in the original packing, call tags will not be issued.Description of the device Features The Showtec LED Par 64 is a LED parcan with high output and great effects. Never change lamps again! High light-output RGBW colormixing, offering vivid colors as well as the possibility to reproduce pastel colors Equipped with a double bracket for multifunctional use 18 x 4-in-1 LEDs Drive Current: 450mA Refresh rate: 7.Installation Remove all packing materials from the LED Par 64. Check that all foam and plastic padding is removed. Connect all cables. Always disconnect from electric mains power supply before cleaning or servicing. Damages caused by non-observance are not subject to warranty. Set Up and Operation Follow the directions below, as they pertain to your preferred operation mode. Before plugging the unit in, always make sure that the power supply matches the product specification voltage.Multiple LED Pars (DMX Control) 1. Fasten the effect light onto firm trussing Leave at least 1 meter on all sides for air circulation. 2. Always use a safety cable (ordercode 70140 / 70141). 3. Use a 3-p XLR cable to connect the LED Pars and other devices. 4. Link the units as shown in (figure 4). Connect a DMX signal cable from the first unit's DMX "out" socket to the second unit's "in" socket. Repeat this process to link the second, third, and fourth units. 5.Fixture Linking You will need a serial data link to run light shows of one or more fixtures using a DMX-512 controller or to run synchronized shows on two or more fixtures set to a master/slave operating mode. The combined number of channels required by all the fixtures on a serial data link determines the number of fixtures the data link can support. Important: Fixtures on a serial data link must be daisy chained in one single line.The LED Par 64 can be operated with a controller in control mode or without the controller in stand-alone mode.DMX Channels (8CH) Channel 1 Master Dimmer intensity 0-255 Gradual adjustment Blue from 0 100% Channel 2 Red (when CH7 is set to 0 0-255) Gradual adjustment Red from 0 100% Channel 2 Macro Colors (when CH7 is set between 1-22 0 1 5 6-11 12-17 18-23 24-29 30-35 36-41 42-47 48-53 54-59 60-65 66-71 72-77 78-83 84-89 90-95 96-101 102-107 108-113 114-119 120-125 126-131 132-137 138-143 144-149 150-155 156-161 162-167 168-173 174-179 180-185 186-191 192-197 198-203 204-209 210-215 216-221 222-Channel 2 Audio Sensitivity (when CH7 is set between 253-255 0-255) Audio sensitivity from less sensitive to highly sensitive Channel 3 Green 0-255 Gradual adjustment Green from 0 100% Channel 4 Blue 0-255 Gradual adjustment Blue from 0 100% Channel 5 Cool White 0-255 Gradual adjustment Cool White from 0 100% Channel 6 Strobe (Dimmer and CH2, CH3, CH4 or CH5 must be open 0-9 10-255) No Function Strobe effect, from slow to fast (0-20 flashes/sec.160-169 170-179 180-189 190-199 200-209 210 211 212 213 251 252 253 254 255 ID16 ID17 ID18 ID19 ID20 ID21 ID22 ID23 ID24 ID62 ID63 ID64 ID65 ID66 Maintenance The Showtec Compact Power Lightset requires almost no maintenance. However, you should keep the unit clean. Otherwise, the fixtures 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. Wipe lens clean with glass cleaner and a soft cloth.Troubleshooting No Light, No Movement - All Products This troubleshooting guide is meant to help solve simple problems. If a problem occurs, carry out the steps below in sequence until a solution is found. Once the unit operates properly, do not carry out following steps. If the light effect does not operate properly, refer servicing to a technician. Response: Suspect two potential problem areas: the power supply, the fuse. 1. Power supply. Check that the unit is plugged into an appropriate power supply. 2.Product Specification Model: Showtec LED Par 64 Never change lamps again! High light-output RGBW colormixing, offering vivid colors as well as the possibility to reproduce pastel colors Equipped with a double bracket for multifunctional use 18 x 4-in-1 LEDs Drive Current: 450mA Refresh rate: 7.Page 22 2 4 4 5 5 6 6 7 7 7 7 7 7 7 8 9 9 10 10 10 11 12 12 12 12 14 14 14 15 17 17 18 18 18 19 Showtec Showtec LED Par 64 Product Guide Warning..... Safety-instructions. Operating Determinations. Rigging. Return Procedure..... Claims..... Description..... Features and Overview Installation..... Set Up and Operation..... One LED Par 64 (Built-in Programs, Auto Run)..... Multiple LED Par 64 (DMX control).. Fixture Linking..... Control Mode..... DMX Mode..... Master/Slave Mode..... Data Cabling..... Control Panel..... Control Mode..... DMX addressing..... Control Modes..... MENU OVERVIEW..... Auto Run Mode..... DMX Mode..... Troubleshooting..... No Light, No Movement - All Products..... No Response to DMX..... Product Specifications..... Page 3Congratulations! You have bought a great, innovative product from Showtec. The Showtec LED Par 64 brings excitement to any venue. Whether you want simple plug-&-play action or a sophisticated DMX show, this product provides the effect you need. You can rely on Showtec, for more excellent lighting products. We design and manufacture professional light equipment for the entertainment industry. New products are being launched regularly. We work hard to keep you, our customer, satisfied. For more information: iwant@showtec.info You can get some of the best quality, best priced products on the market from Showtec. So next time, turn to Showtec for more great lighting equipment. Always get the best – with Showtec ! Thank you! Page 4Page 2Page 31 2 2 4 4 5 5 6 6 7 7 7 7 7 8 9 9 Warning..... Claims..... Description..... Installation..... Set Up and Operation..... One LED Par 64 (Built-in Programs, Auto Run)..... Multiple LED Par 64 (Master/Slave control)..... Multiple LED Par 64 (DMX control)..... Fixture Linking..... Control Mode..... DMX Mode..... Master/Slave Mode..... Data Cabling..... Control Panel..... Control Mode..... DMX addressing..... Control Modes..... MENU OVERVIEW..... Auto Run Mode..... DMX Mode..... Troubleshooting..... No Light, No Movement - All Products..... No Response to DMX..... Product Specifications..... Page 42 CAUTION! Be careful with your operations. With a dangerous voltage you can suffer a dangerous electric shock when touching the wires! FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY BEFORE YOUR INITIAL START-UP! Page 53 Never let the power-cord come into contact with other cables! Handle the power-cord and all Never use the device during thunderstorms, unplug the device immediately. Never leave various parts of the packaging (plastic bags, polystyrene foam, nails, etc.) within Do not shake the device. Avoid brute force when installing or operating the device. Do not switch the device on and off in short intervals, as this would reduce the systems life. Only operate the device after having familiarized with its functions. Always allow free air space of at least 50 cm around the unit for ventilation. Always disconnect power from the mains, when device is not used or before cleaning! Only Make sure that the device is not exposed to extreme heat, moisture or dust. Make sure that the available voltage is not higher than stated on the rear panel. Make sure that the power-cord is never crimped or damaged. Check the device and the power. The cable insert or the female part in the device must never be strained. There must always be If the external cable is damaged, it has to be replaced by a qualified technician. If the lens is obviously damaged, it has to be replaced. So that its functions are not impaired, due If device is dropped or struck, disconnect mains power supply immediately. Have a qualified If the device has been exposed to drastic temperature fluctuation (e.g. after transportation), do If your Showtec device fails to work properly, discontinue use immediately. Pack the unit securely For adult use only. The device must be installed out of the reach of children. Never leave the unit The user is responsible for correct positioning and operating of the LED Par 64. The manufacturer This device falls under protection class I. Therefore it is essential to connect the yellow/green Repairs, servicing and electric connection must be carried out by a qualified technician. CAUTION ! EYEDAMAGES !. Avoid looking directly into the light source. (meant especially for epileptics) ! Page 64 a If the LED Par 64 is lowered from the ceiling or high joists, professional trussing systems have to be Use a clamp to mount the LED Par 64, with the mounting-bracket, to the trussing system. The installation must always be secured with a safety attachment, e.g. an appropriate safety net When rigging, derigging or servicing the LED Par 64, always make sure, that the area below the Page 75 International EU Cable UK Cable US Cable BROWN YELLOW/COPPER FASE BLUE BLACK SILVER YELLOW/GREEN GREEN GREEN EARTH Package must be clearly labeled with a Return Authorization Number (RMA number). Products returned without an RMA number will be refused. Highlite will not accept the returned goods or any responsibility. Call Highlite 0031-455667723 or mail aftersales@highlite.nl and request an RMA prior to shipping the fixture. Be prepared to provide the model number, serial number and a brief description of the cause for the customers responsibility. Highlite reserves the right to use its own discretion to repair or replace Note: If you are given an RMA number, please include the following information on a piece of paper Page 86 RGBW colormixing, offering vivid colors as well as the possibility to reproduce pastel colors Dimensions 290 x 230 mm (LxWxH, excl bracket) 2 1) Mountingbracket with adjustment screw 4) Fuse 1,5A/250V 3) LCD Display + Menu Buttons 6) 3-pin DMX Out Page 97 Remove all packing materials from the LED Par 64. Check that all foam and plastic padding is removed. 1. Fasten the effect light onto firm trussing. Leave at least 0.5 meter on all sides for air circulation. 2. When the LED Par 64 is not connected by a DMX-cable, it functions as a stand-alone device. 1.Plug the end of the electric mains power cord into a proper electric power supply socket. 2. Turn on the music. If device is set to (Audio) and you have pressed enter, then the fixture will react to the beat of the music. Please see page 12 for more information about the 1. Fasten the effect light onto firm trussing. Leave at least 0.5 meter on all sides for air circulation. 3. Link the units as shown in (Fig. 3). Connect a DMX signal cable from the first unit's DMX "out" socket to the second unit's "in" socket. Repeat this process to link the second, third, and fourth units. You can use the same functions on the master device as described on page 12+13 (Built-in Programs, Auto Run or Music control). This means on the master device you can set your desired Page 108 1. Fasten the effect light onto firm trussing Leave at least 1 meter on all sides for air circulation. 3. Use a 3-p XLR cable to connect the LED Pars and other devices. 4. Link the units as shown in (figure 4). Connect a DMX signal cable from the first unit's DMX "out" socket to the second unit's "in" socket. Repeat this process to link the second, third, and fourth units. 5. Supply electric power: Plug electric mains power cords into each unit's IEC socket, then plug the other end of the mains power cord into proper electric power supply sockets, starting with the first unit. Page 119 Important: Fixtures on a serial data link must be daisy chained in one single line. To comply with the Ordercode FL01150 (1.5m.), FL013 (3m.), FL016 (6m.), FL0110 (10m.), FL0120 (20m.). DAP Audio cable for the demanding user with exceptional audio-qualities and connector made by Neutrik. Ordercode FL71150 (1.5m.), FL713 (3m.), FL716 (6m.), FL7110 (10m.). Page 1210 The LED Par 64 can be operated with a controller in control mode or without the controller in stand-alone The fixtures are individually addressed on a data-link and connected to the Therefore, the DMX address of the first LED Par 64 should be 1(A001), the DMX address of the second LED Par 64 should be 1+8=9 (d009), the DMX address of the third LED Par 64 should be 9+8=17 (d017), etc. Please, be sure that you dont have any overlapping channels in order to control each LED Par 64 For address settings, please refer to the instructions under Addressing. Note: After switching on, the LED Par 64 will automatically detect whether DMX 512 data is received or not. If there is no data received at the DMX-input, the LED on the control panel will not flash. Note: Its necessary to insert a XLR termination plug (with 120 Ohm) in the last fixture in order to ensure Page 13Page 1412 1) Press the MODE button on the device, until the display shows . 1) Press the MODE button, until the display shows . Use the Up/ Down buttons to select the required address from . 3) You can also press the SETUP button one more time to set the id of the Par64 (only 8CH Mode) When the display shows , the device is a slave device. It will now react the same as its master. 1) Press the MODE button on the device, until the display shows . Turn on the You can set the sensitivity from low-sensitivity to high-sensitivity between SU.00 - SU.31. 1) Press the MODE button on the device, until the display shows . 2) With this menu you can set the Built-in Program Mode of the LED Par 64. You can choose 11 built-in programs , by using the Up / Down buttons. 3) Press Setup to enter the built-in programs Menu. You can choose 2 different sub menus: When you choose Pr01, you have a lot more options, than when choosing Pr02 - Pr11. Page 15Page 1614 The LED Par 64 can be operated with a controller in control mode or without the controller in stand-alone 0-255 Gradual adjustment Red from 0 100% 0-255 Gradual adjustment Green from 0 100% 0-255 Gradual adjustment Cool White from 0 100% 0-255 Gradual adjustment Blue from 0 100% 0-255 Gradual adjustment Macro Colors (when CH7 is set between 1-22) Macro Color 1 6-11 Macro Color 2 12-17 Macro Color 3 18-23 Macro Color 4 24-29 Macro Color 5 30-35 Macro Color 6 36-41 Macro Color 7 42-47 Macro Color 8 48-53 Macro Color 9 54-59 Macro Color 10 60-65 Macro Color 11 66-71 Macro Color 12 72-77 Macro Color 13 78-83 Macro Color 14 84-89 Macro Color 15 90-95 Macro Color 16 96-101 Macro Color 17 102-107 Macro Color 18 108-113 Macro Color 19 114-119 Macro Color 20 120-125 Macro Color 21 126-131 Macro Color 22 132-137 Macro Color 23 138-143 Macro Color 24 144-149 Macro Color 25 150-155 Macro Color 26 156-161 Macro Color 27 162-167 Macro Color 28 168-173 Macro Color 29 174-179 Macro Color 30 180-185 Macro Color 31 186-191 Macro Color 32 192-197 Macro Color 33 198-203 Macro Color 34 204-209 Macro Color 35 210-215 Macro Color 36 216-221 Macro Color 37 222-227 Macro Color 38 228-233 Macro Color 39 234-239 Macro Color 40 240-245 Macro Color 41 246-251 Macro Color 42 252-255 Macro Color 43 0-255 Speed from slow to fast 0-255 Gradual adjustment Blue from 0 100% 0-255 Gradual adjustment Red from 0 100% Page 1816 0-255 Audio sensitivity from less sensitive to highly sensitive No Function 1-22 43 static color program Mode via Channel 2 23-45 Program 1 (gradual change) 46-68 Program 2 (gradual change) 69-91 Program 3 (color switch) 92-114 Program 4 (color switch) 115-137 Program 5 (fantasy change 1) 138-160 Program 6 (fantasy change 2) 161-183 Program 7 (red gradual change) 184-206 Program 8 (green gradual change) 207-229 Program 9 (blue gradual change) 230-252 Program 10 (cool white gradual change) 253-255 Sound-controlled Note CH7: When CH7 is set to 0, CH2 controls the intensity of Red. ID 1-66 10-19 20-29 30-39 40-49 50-59 60-69 70-79 80-89 90-99 100-109 ID10 110-119 ID11 120-129 ID12 130-139 ID13 140-149 ID14 150-159 ID15 0-255 Gradual adjustment Green from 0 100% 0-255 Gradual adjustment Blue from 0 100% 0-255 Gradual adjustment Cool White from 0 100% 0-255 Gradual adjustment Macro Colors (when CH7 is set to 0, CH2 controls the intensity of Red. ID 1-66 10-19 20-29 30-39 40-49 50-59 60-69 70-79 80-89 90-99 100-109 ID10 110-119 ID11 120-129 ID12 130-139 ID13 140-149 ID14 150-159 ID15 0-255 Gradual adjustment Green from 0 100% 0-255 Gradual adjustment Blue from 0 100% 0-255 Gradual adjustment Cool White from 0 100% 0-255 Gradual adjustment Macro Colors (when CH7 is set to 0, CH2 controls the intensity of Red. 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