



# Single MKII

ORDERCODE 50396



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**Congratulations!**

You have bought a great, innovative product from Showtec.

The Showtec Single MKII brings excitement to any venue. Whether you want simple plug-&-play action or a sophisticated DMX show, this product provides the effect you need.

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Thank you!



**Showtec Single MKII™ Product Guide**

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## WARNING



**CAUTION!**  
**Keep this device away from rain and moisture!**



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

## SAFETY INSTRUCTIONS

Every person involved with the installation, operation and maintenance of this device has to:

- be qualified
- follow the instructions of this manual



**CAUTION! Be careful with your operations.**  
**With a dangerous voltage you can suffer  
a dangerous electric shock when touching the wires!**



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

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

Please consider that damages caused by manual modifications to the device are not subject to warranty.

This device contains no user-serviceable parts. Refer servicing to qualified technicians only.

### **IMPORTANT:**

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

- 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 leave any cables lying around.
- Do not insert objects into air vents.
- Do not open the device and do not modify the device.
- Do not connect this device to a dimmerpack.
- 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 system's life.
- Only use device indoor, avoid contact with water or other liquids.
- Only operate the device after having familiarized with its functions.
- Avoid flames and do not put close to flammable liquids or gases.
- Always disconnect power from the mains, when device is not used or before cleaning! Only handle the power-cord by the plug. Never pull out the plug by tugging the power-cord.
- 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-cord from time to time.

- If device is dropped or struck, disconnect mains power supply immediately. Have a qualified engineer inspect for safety before operating.
- If the device has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation water might damage your device. Leave the device switched off until it has reached room temperature.
- If your Showtec device fails to work properly, discontinue use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Showtec dealer for service.
- For adult use only. The device must be installed out of the reach of children. Never leave the unit running unattended.
- For replacement use fuses of same type and rating only.
- Repairs, servicing and electric connection must be carried out by a qualified technician.
- WARRANTY: Till one year after date of purchase.

## **OPERATING DETERMINATIONS**

If this device is operated in any other way, than the one described in this manual, the product may suffer damages and the warranty becomes void.

Any other operation may lead to dangers like short-circuit, burns, electric shock, lamp explosion, crash etc.

You endanger your own safety and the safety of others!

*Improper installation can cause serious damage to people and property !*

# Description of the device

## Features

- 3-pin standard DMX IN/OUT ports providing dimmer information.
- Serves as a Switch Pack or Dimmer Pack, depending upon the current operating mode.
- Allows DMX Addressing, Dimmer Preset and Dimmer Limit.
- Power failure memory.
- 4 digits Segment Display shows current activity and function state.

NOTE: Knowledge of DMX is required to fully utilize this unit.

## Overview



Fig. 1



Fig. 2

- |                           |  |
|---------------------------|--|
| <b>1) Dimming Slider</b>  | Used to activate the HTP function.   |
| <b>2) MENU button</b>     | Press this button to switch or adjust relevant options.                                    |
| <b>3) UP button</b>       | Each tap will increase the value once.<br>Pressing and holding down will increase quickly. |
| <b>4) DOWN button</b>     | Each tap will decrease the value once.<br>Pressing and holding down will decrease quickly. |
| <b>5) Segment Display</b> | Shows the current activity or function state.  |
| <b>6) OUTPUT</b>          | 10A Max.   |
| <b>7) Fuse</b>            | F 10A 250V 5°—20mm.  |
| <b>8) Power cord</b>      | Plug in the appropriate power outlet.  |
| <b>9) DMX In</b>          | 3-pin XLR male socket, used to receive DMX data.   |
| <b>10) DMX Out</b>        | 3-pin XLR female socket, used to send DMX data.  |

## Installation

Remove all packing materials from the Single MKII. 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

Before plugging the unit in, always make sure that the power supply matches the product specification voltage. Do not attempt to operate a 120V specification product on 230V power, or vice versa.

Plug in the appropriate power outlet, this unit recovers to the function state of last time automatically by reasons of power failure memory. And the Segment Display shows the DMX address of last change. The Single-MK2 serves as a dimmer pack or a switch pack, depending on the operating mode to be selected.

### DMX Address Mode

1. When the unit is powered on, the Segment Display will show the DMX address of last change. And for example, if you have selected DMX address 123 for the last time, the Segment Display will read 123.



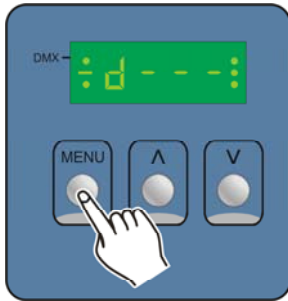
2. Each tap upon the UP or DOWN button will change the DMX address once. Pressing and holding down each button will change the DMX address quickly. Once the DMX address has been selected, it will be stored into memory automatically.



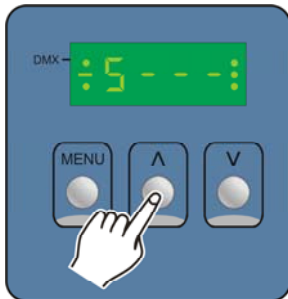
( Relevant DMX address can be adjusted within the range of 001~512 )

## Switch Pack Mode

1. When the DMX address has been selected, press MENU button to enter the next item. And relevant information will appear on the Segment Display.



2. Press UP or DOWN button to switch between “d---” and “s---” displays.



3. Press MENU button to enter the Switch Pack mode.

Switch Pack mode consists of Switch On (s-on) and Switch Off (s-off) patterns. In the “s-on” mode, output is turned on and the fixture lights regardless of DMX signal. While in the “s-off” mode, the fixture will be automatically controlled by the DMX signal. When DMX level is less than 40%, the fixture will go out. And when the DMX level exceeds 40%, the fixture will light up.



4. Tap the UP or DOWN button to change between the Switch On (s-on) and Switch Off (s-off) modes.



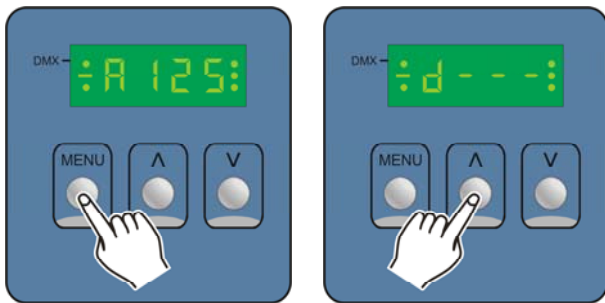


5. Once the Switch Pack has been selected, press the MENU button to return to the DMX Address mode.

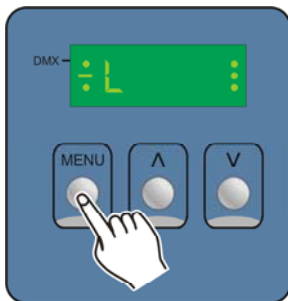


## Dimmer Pack Mode

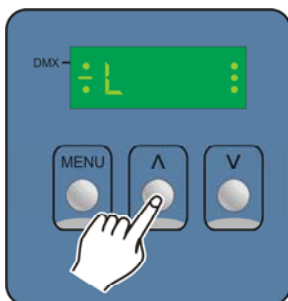
1. Press the MENU button to enter the next item and Tap the UP or DOWN button, the Segment Display will show "d---". (d=DIM)



2. Press the MENU button to enter the Dimmer Limit mode.



3. The "L" character on the LCD display means "LIMIT". User can change the LIMIT level within the range of 10~100(%) by using the UP / Down buttons. Press UP button to increase the LIMIT level, and press DOWN button to decrease relevant LIMIT level. Each tap will change the relevant value once. Pressing and holding down the UP or DOWN button will change the value quickly. And once the Dimmer Limit has been selected, the relevant value will be stored automatically.



4. Give the MENU button a press, and the user will enter the Dimmer Preset mode.



5. Tap the UP or DOWN button to change the value within the range of 00~100. Each tap will change the value once. Pressing and holding down will change the value quickly. Once the Dimmer Preset has been selected, it will be stored automatically.



6. Press MENU button to return to the DMX Address mode.



## HTP Function

1. When in the PRESET mode or during DMX outputting, the signal output will go by the potentiometer's control if its current value is bigger than that of the DMX outputting level. Thus the HTP function has been activated under the above conditions.
2. While relevant value upon the potentiometer is smaller than that of the Preset value or DMX value, DMX signals will run normally without being interfered by the potentiometer adjustment.
3. Should the above conditions be reached normally, the HTP function will then execute automatically.

## END-TRIM Function

1. Turn off the power, and open the unit( by the help of authorized personnel), you will see two bridle wires respectively labeled by "A=180°", "B=145°" inside the machine.  
Choose "A" for normal function, while choose "B" for END-TRIM function.  
Item "A" is the default mode normally.
2. The END-TRIM function has the most freedom of not being effected by other settings.  
In the Switch Pack mode, the END-TRIM function will be of no effect.

## Note

Stable power frequency is important and necessary for lighting effect control. If the frequency of power is not stable, the Segment Display will show "AC-0" when powered on, please wait and operate the unit until the power is stable.

## Maintenance

The Single MKII requires almost no maintenance. However, you should keep the unit clean. Disconnect the mains power supply, and then wipe the cover with a damp cloth. Do not immerse in liquid. Keep connections clean. Disconnect electric power, and then wipe the audio connections with a damp cloth. Make sure connections are thoroughly dry before linking equipment or supplying electric power.

## 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 to do so.

1. Unplug the unit from electric power source.
2. Insert a screwdriver into the slot in the fuse cover. Turn the screwdriver to the left, at the same time gently push a bit (Turn and Push). The fuse will come out.
3. Remove the broken fuse. If brown or unclear, it is 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.

## Troubleshooting

### Showtec Single MKII

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.

1. If the device does not operate properly, unplug the device.
2. Check the fuse, power from the wall, all cables etc.
3. If all of the above appears to be O.K., plug the unit in again.
4. If you are unable to determine the cause of the problem, do not open the Quadra, as this may damage the unit and the warranty will become void.
5. Return the device to your Showtec dealer.

## Product Specification

Model: Showtec Single MKII

Voltage : AC 230V-50Hz (CE)

Channel Output : 10A max.

Fuse: F 10A 250V 5 x 20mm

DMX Input : 3-pin XLR Male connector

DMX Output : 3-pin XLR Female connector

Dimensions : 195 x 105 x 90 mm (LxWxH)

Weight : 1,26 kg

Design and product specifications are subject to change without prior notice.





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