MultiDim MKII v.2

ORDERCODE 50386

SHOWELECTRONICS FOR PROFESSIONALS

Congratulations!

You have bought a great, innovative product from Showtec.
The Showtec MultiDim 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!

Showtec

Showtec MultiDim™ Product Guide

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WARNING

CAUTION!
Keep this device away from rain and moisture!
Unplug mains lead before opening the housing!

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 have 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!
- Provide occasional ventilation during use.
- Place this unit in a stable location, away from humidity, vibration or bumps.
- Never remove warning or informative labels from the unit.
- Do not insert objects into air vents.
- Do not switch the device on and off in short intervals, as this would reduce the system's life.
- Do not open the device.
- Only use device indoor, avoid contact with water or other liquids.
- 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 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.
- In case of a malfunction (burning smell, etc.), immediately stop operation, disconnect power and contact your Showtec dealer.
- 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.

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- 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 replacement use fuses of same type and rating only.
- This device falls under protection class I. Therefore it is essential to connect the yellow/green conductor to earth.
- 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, explosion, crash etc.
You endanger your own safety and the safety of others!

Improper installation can cause serious damage to people and property !

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Description of the device

Features

- 3-pin standard DMX IN/OUT ports
- 0-100% dimming level
- 1-4 channel mode
- dim or switch curve per channel
- 16 built-in programs subject to Speed and Dimmer
- Provide dimmer control information to 4 channels, using DMX-512 protocol
- Power failure memory
- 4 digits Segment Display shows current activity and function state
- Built-in Microphone
- No Midi-Option

Overview

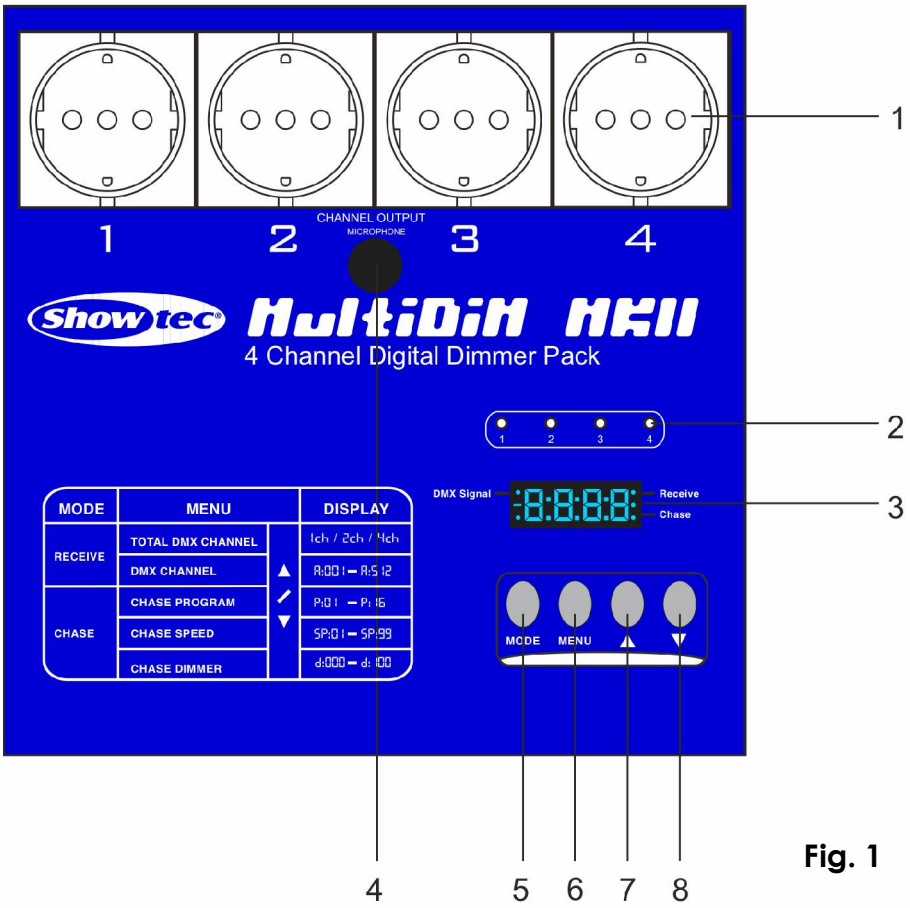

Fig. 1

1) Channel Output: 8x 3-prong grounded Edison sockets.10 A per channel, total 20 A max.
2) Channel LEDs: Shows the intensity of the channel in use.
3) Segment Display: Shows current activity or function state.
4) Built in Microphone
5) MODE button: Press to select operating mode between Chase and Receive.
6) MENU button: Press to select desired menu setting.
7) ▲ button: Press to increase the display value.
8) ▼ button: Press to decrease the display value.

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There are 2 versions from the MultiDim: Standard version ordercode 50358
IEC-version ordercode 50358I

Fig. 2

Rear Panel

Fig. 3

9) Channel Fuse: 10A
10) Power Switch Press to turn ON/OFF the power.
11) Power Cable: Connect to an appropriate power outlet rated AC 230V~50Hz.
12) DMX In: 3-pin XLR male, used to receive DMX data.
13) DMX Out: 3-pin XLR female, used to transmit DMX data.

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Installation

Remove all packing materials from the MultiDim. Check that all foam and plastic padding is removed.
Screw the equipment onto the wall. Connect all cables.
Always disconnect from electric mains power supply before cleaning or servicing.
Damages caused by non-observance are not subject to warranty.

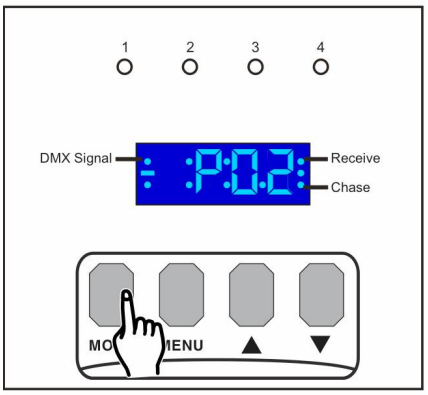
Set Up and Operation

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.

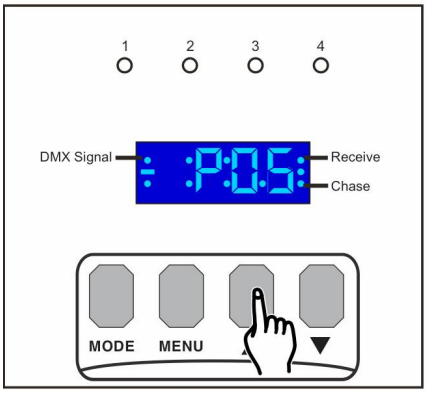
OPERATING INSTRUCTIONS

1. Turn the power switch on.
2. Operating mode is controlled by MODE.
3. You can select the operating mode: Chase or Receive

Chase Mode



1. Press MODE to select Chase mode.
Chase mode is indicated by "P" followed by numbers 01-16.
"P" is Programmed Applied. If "A" appears in the LCD display you are in DMX mode, "A" stands for address.



2. Set you desired chase pattern: Once you have selected the chase function use the Menu button to select your desired chase.
The chase pattern is represented in the LCD display by "P" followed by two numbers. You may select any of the built in 16 programs to run at a single time.
Tap ▲ or ▼ to your wanted chase within 01-16 built-in chases

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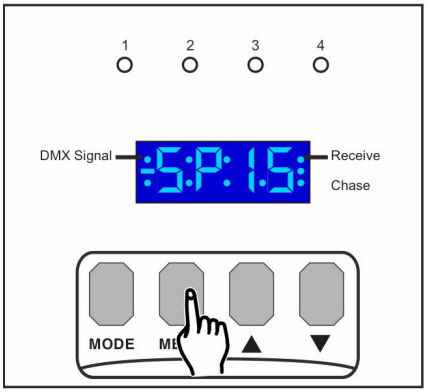
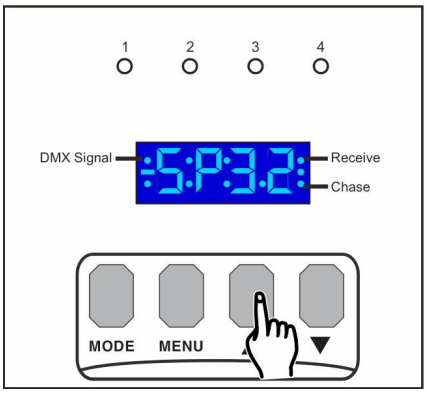
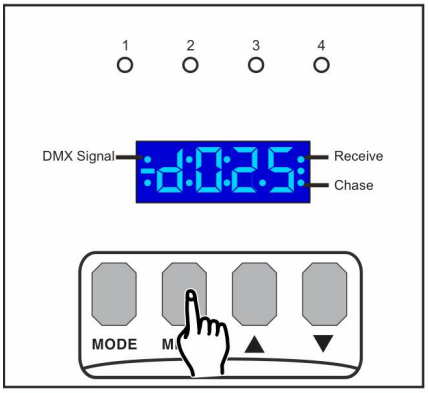


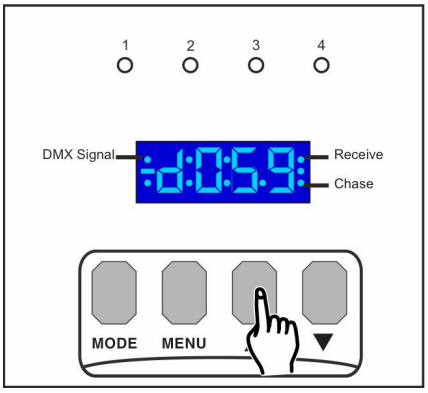
3. While in chase mode, tap on the MENU button until the "SP" followed by two numbers is displayed in the LCD.
   Press MENU to enter Chase Speed mode.



4. Tap ▲ or ▼ to your desired speed.
   A value of 99 will give you the fastest chase speed (about 1/10th of a second). A value of 01 will give you the slowest chase speed (one step every 30 sec.).



5. Press MENU to enter Chase Dimmer mode.



6. Tap ▲ or ▼ to set the intensity for the chase.
   00 will give the lowest output and 99 will give you full intensity.

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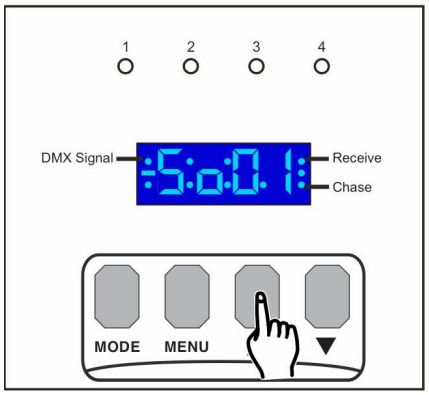


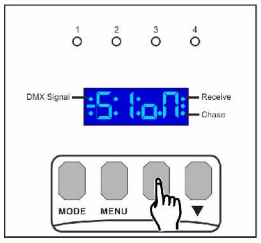
7. Tap ▲ or ▼ to select sound to light program.
   You can select 16 different sound patterns.

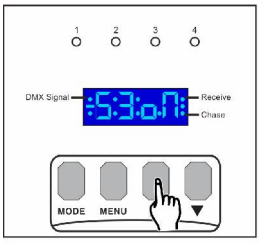
DMX Mode

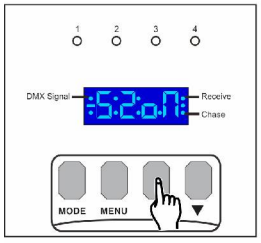
Use this operating mode only if you plan to use your pack as a DMX dimmer. This function will allow you to turn on and control the intensity of non-DMX with the use of a DMX controller. On, off, and dimming functions can be performed through this pack.
You may also set your dimmer pack to function as a 1, 2, or 4 channel DMX dimmer pack, which means you can combine the output functions.

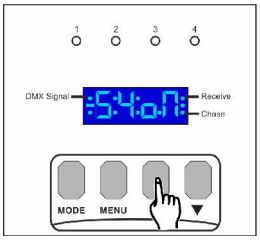
DMX Operation:

1. Plug in a DMX controller to your dimmer pack via the 3-pin XLR cables.
2. Connect your lighting effect to any of the eight power sockets on the front of the pack.
3. Decide if you are going to use your dimmer pack as 1, 2, or 4 channels. This function allows you to:
   a. Control the output to all four outlets with one DMX channel.
   b. Group outlet channels one and two and group outlets channels three and four. The first group will be controlled by one DMX channel and the second group will be controlled by another DMX channel. This gives the pack a DMX value of two.
   c. The default setting is a four-channel DMX switcher, each channel is controlled by one DMX channel.
4. To change the channel function mode be sure you are in DMX mode. Use the MENU button to select "CH" followed by two digits. Then use the UP and DOWN arrow buttons to change the setting from 01, 02, or 04. Your dimmer pack is initially set as a four-channel DMX switcher.
5. The dimmer pack is initially set to be activated by DMX address one. To change this setting be sure you are in DMX mode. Use the MENU button to select the address settings, this will be indicated by an "A" in the first character of the LCD followed by three numbers. Use the UP and DOWN arrow buttons to select your desired DMX address. Remember the DMX address tells your DMX controller what channel to activate the pack's functions. Once you have set the pack's DMX address be sure your controller's address matches that of the pack's.
6. Your pack will now operate as DMX dimmer, you may control the light output intensity through your DMX controller. 0 will give no output and 100 will give you full output.
7. You can set desired channel to switch modus.









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Sound Control

1. Connect your lights to the any of eight power sockets on the pack.
2. Use the mode button to select sound mode:
chase mode is indicated by "So" followed by the numbers 0-16.
3. Give sound signal and chase will start running.

Maintenance

The Showtec MultiDim 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

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 MultiDim does not operate properly, refer servicing to a technician. If the fuse is burned out, replace the broken fuse with a new one, with the same specifications.

Response: Suspect three potential problem areas: the power supply, the fuse or menu settings.
1. Power supply. Check that the unit is plugged into an appropriate power supply.
2. The fuse. Replace the fuse. See page 9 for replacing the fuse.
3. Check if the menu settings are correct.

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Product Specification

Model: Showtec Multidim
Voltage: AC 230V-50Hz (CE)
Channel Output: 10A/CH., Total 20A (**CE**)
DMX OUT: 3-pin XLR Female
DMX IN: 3-pin XLR Male
No Midi Option
Channel Fuse: 10A
Dimensions: 212x188x71mm (LxWxH)
Weight: 2.4 kg

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

CE

Website: www.Highlite.nl
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HIGHLITE INTERNATIONAL BV

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