



LED Glass Panel DMX

ORDERCODE 41162



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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 LED Glass Panel™ Product Guide

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WARNING



**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



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.
- 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..
- Never look directly into the light source.
- Never leave any cables lying around.
- Do not switch the device on and off in short intervals.
- Never use the device during thunderstorms, unplug the device immediately.
- Only use device indoor, avoid contact with water or other liquids.
- Avoid flames and do not put close to flammable liquids or gases.
- 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 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.
- Make sure that no side forces can impact on the truss system.
- The cable insert or the female part in the device must never be strained. There must always be sufficient cable to the device. Otherwise, the cable may be damaged which may lead to deadly electrical shocks.
- If the external cable is damaged, it has to be replaced by a qualified technician.
- If the plexiglass is obviously damaged, it has to be replaced. So that its functions are not impaired, due to cracks or deep scratches.
- 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. Lighteffect must be installed out of the reach of children. Never leave the unit running unattended.
- The user is responsible for correct positioning and operating of the LED Glass Panel. The manufacturer will not accept liability for damages caused by the misuse or incorrect installation of this device.
- 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

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 0,5 meters.

The maximum ambient temperature $t_a = 45^\circ\text{C}$ must never be exceeded.

The relative humidity must not exceed 50 % with an ambient temperature of 45°C .

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 !

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.

Cable	Pin	International
BROWN	FASE	L
BLUE	NUL	N
YELLOW/GREEN	EARTH	

Make sure that the device is always connected properly to the earth!

Description of the device

Features

The LED Glass Panel is a fabulous LED Lighteffect from Showtec.

- Never change lamps again!
- Static colors, color fade, color chase, color flow
- 576 LEDs (192 Red, 192 Green, 192 Blue)
- Dimensions 60 x 180cm
- 72 DMX Channels
- Topcover of the LED Glass Panel is made of strong plexiglass with a aluminum frame.
- Control a total of 24 sections
- Plug-&-Play

Overview



Fig. 1

DMX Channel Settings

DMX Connection



Fig. 2

NOTE: * Please make sure to also obtain the 41001 LED PSU.

This device is essential for using the LED Glass Panel.

* The LED PSU can only handle 2 panels. Pay attention to this when connecting multiple panels to one controller.

* Be sure to only connect 2 LED Glass Panels (60x180) to one LED PSU. 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.

Always disconnect from electric mains power supply before cleaning or servicing. Damages caused by non-observance are not subject to warranty.

CONNECTION

The LED Glass Panel uses a 7 pins extendable connector as its power cord connector, while its DMX signal wire uses a 7 pins crystal network plug.

There are two ways to connect them:

- Stand-alone (Fig. 3)
- Controlled by DMX controller (Fig. 4)

Stand-alone

The LED Glass panel will function as a stand-alone device when it is not connected to a DMX line. The LED Glass Panel will flow with its colours.

Connect the first LED Glass Panel to the second one using the signal link cable (the first Panel is the master and the others are the slaves). Connect the first Panel to the PSU. Connect the rest of the Glass Panels to each other by linking the powercords. After every 2 Glass Panels you have to use an extra powersupply (PSU 41001). The power outlet of the last fixture must be covered with endcap for waterproof purpose. (Turn off all the power when connecting, and all the unconnected power-connectors should be covered with endcaps).

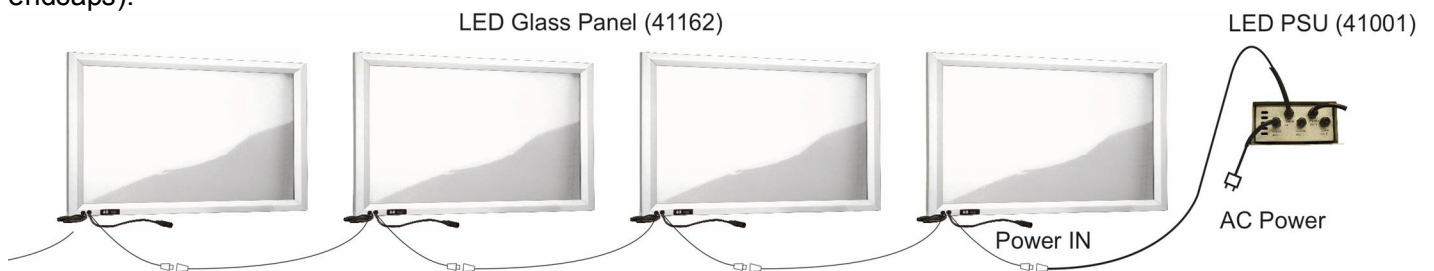


Fig. 3

Controlled by DMX

When the LED Glass panel is connected to a DMX line, it will have 72 DMX channels.

You are able to control the color of 8 panel-sections individually

To use the panels as Master/slave devices, set the same DMX addresses on all panels.

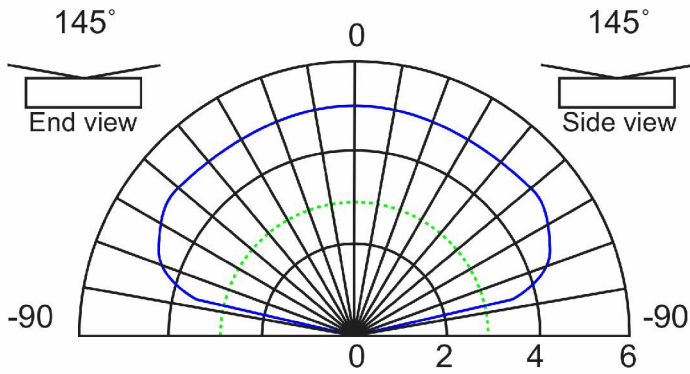
When the addresses are not the same, each panel will have its own 72 channel control.

Note: Use the special provided “7-pin to 3 pin XLR” cable to connect the last Glass Panel to your controller.



Fig. 4

CANDLE POWER DISTRIBUTION



LIGHT OUTPUT

End view and side view (Candelas)
 Measured on: White
 Beam center: 4.4cd
 Thin dashed lined: indicates 50% of peak
 Multipliers: 0.19 Red, 0.63 Green, 0.18 Blue

TRANSPARENT

COLOR	TOTAL OUTPUT (LUMENS)	POWER (WATT)	EFFICIENCY (lm/W)
WHITE	64.5	72	0.9
RED	14.5	30.6	0.5
GREEN	48.0	30.0	1.6
BLUE	13.9	28.8	0.5

Note: The "POWER" in the label is effective power.

OPAQUE

COLOR	TOTAL OUTPUT (LUMENS)	POWER (WATT)	EFFICIENCY (lm/W)
WHITE	77.4	72	1.1
RED	18.5	30.6	0.6
GREEN	51.6	30.0	1.7
BLUE	18.2	28.8	0.6

Maintenance

The operator has to make sure that safety-relating and machine-technical installations are to be inspected by an expert after every four years in the course of an acceptance test.

The operator has to make sure that safety-relating and machine-technical installations are to be inspected by a skilled person once a year.

The following points have to be considered during the inspection:

1. All screws used for installing the device or parts of the device have to be tightly connected and must not be corroded.
2. There may not be any deformations on housings, fixations and installation spots.
3. Mechanically moving parts like axles, eyes and others may not show any traces of wearing.
4. The electric power supply cables must not show any damages or material fatigue.

The Showtec LED Glass Panel 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. Do not use alcohol or solvents. Keep connections clean. Disconnect electric power, and then wipe the connections with a damp cloth. Make sure connections are thoroughly dry before linking equipment or supplying electric power.

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.

1. If the device does not operate properly, unplug the device.
2. Check the 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 LED Glass Panel, as this may damage the unit and the warranty will become void.
5. Return the device to your Showtec dealer.

No Light

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.

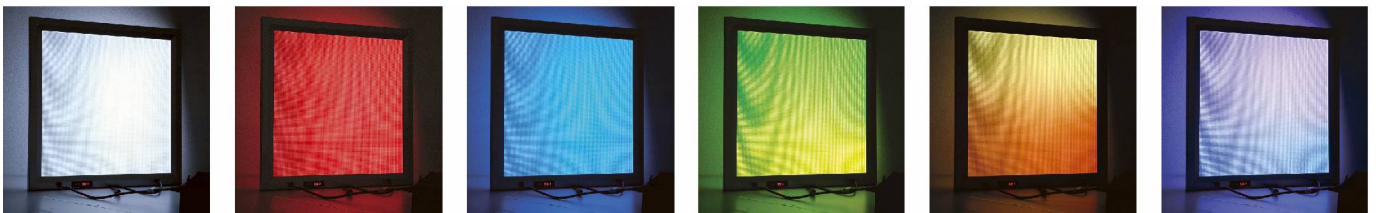
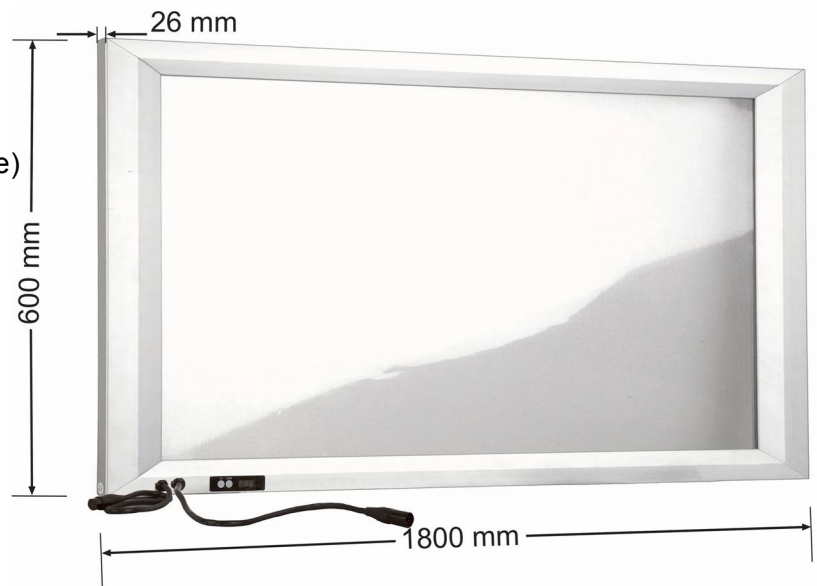
If the light effect does not operate properly, refer servicing to a technician.

Response: Suspect two potential problem areas: the power supply or the LEDs.

1. Power supply. Check that the unit is plugged into an appropriate power supply.
2. The LEDs. Return the LED Glass Panel to your Showtec dealer.

Product Specification

Model: Showtec LED Glass Panel
Input Voltage: AC 230V-50Hz (CE)
Operating Voltage: DC 12V
576 LEDs (192 Red, 192 Green, 192 Blue)
Dimensions: 600x1800x26mm (LxWxH)
Weight: 16,1 kg



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





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