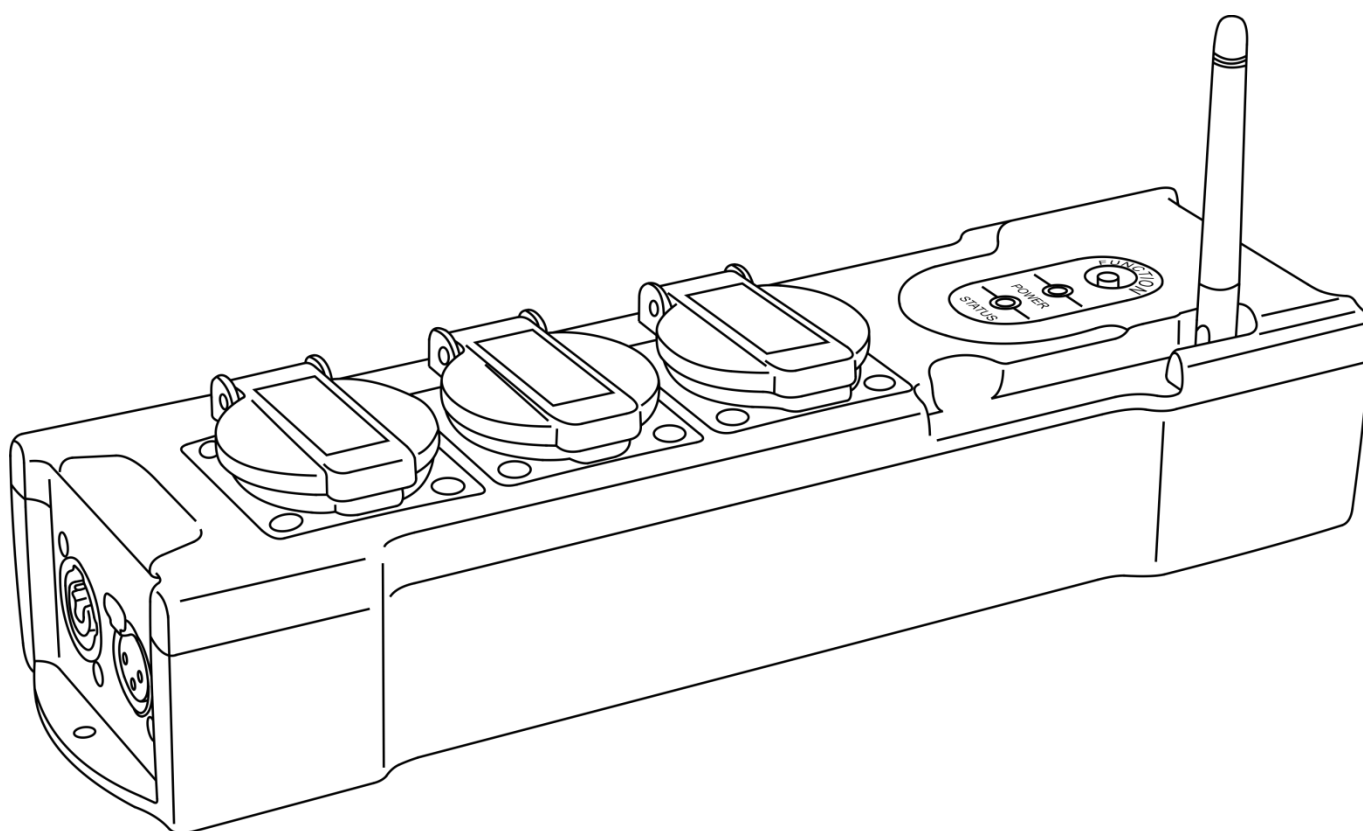




MANUAL



ENGLISH

PowerBOX 3

V1

Ordercode: 90660

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Warning



**For your own safety, please read this user manual carefully
before your initial start-up!**

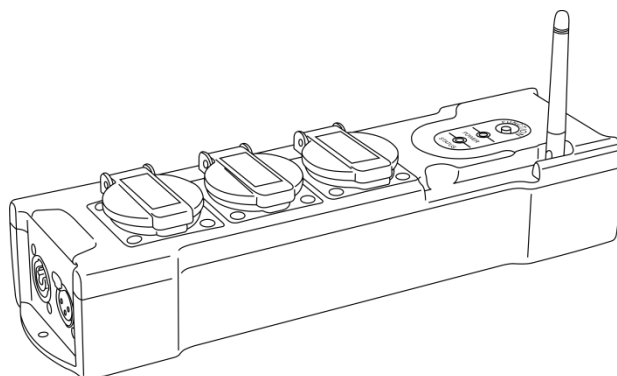


Unpacking Instructions

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. In the event that a fixture must be returned to the factory, it is important that the fixture be returned in the original factory box and packing.

Your shipment includes:

- Showtec PowerBOX 3
- Pro power cable 1,5 m
- User manual



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.

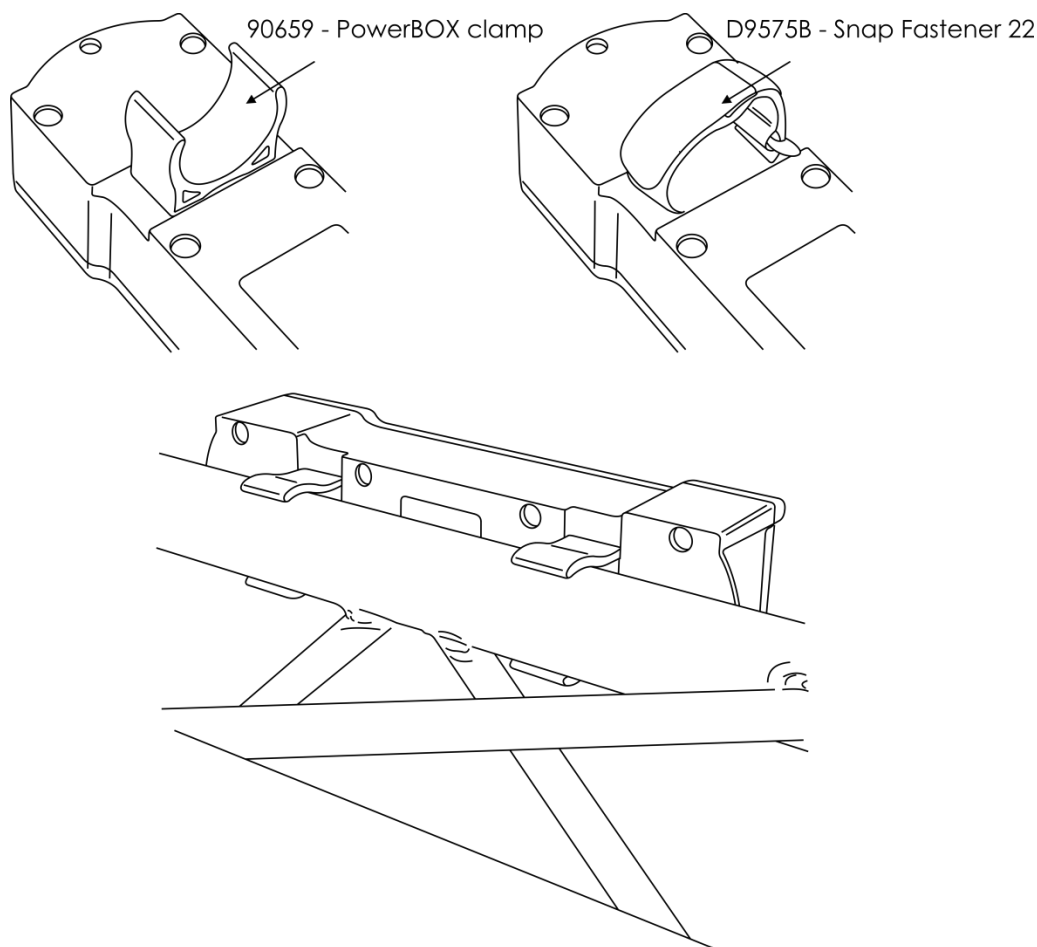
- Never let the power cord come into contact with other cables! Handle the power cord and all connections with the mains with particular caution!
- Never remove warning or informative labels from the unit.
- Do not open the device and do not modify the device.
- Never use anything to cover the ground contact.
- Never leave any cables lying around.
- Never use the device during thunderstorms, unplug the device immediately.
- Do not connect this device to a dimmerpack.
- Do not switch the device on and off in short intervals, as this would reduce the device's life.
- Do not shake the device. Avoid brute force when installing or operating the device.
- Only use device indoors, avoid contact with water or other liquids.
- Only operate the fixture after having checked if the housing is firmly closed and all screws are tightly fastened.
- Only operate the device after having familiarized with its functions.
- Avoid flames and do not put close to flammable liquids or gases.
- Always keep case closed while operating.
- 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.
- 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 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. 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.
- The user is responsible for correct positioning and operating of the PowerBOX 3. 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 maximum ambient temperature $t_a = 35^\circ\text{C}$ must never be exceeded.
- The relative humidity must not exceed 50 % with an ambient temperature of 35°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, crash etc.

You endanger your own safety and the safety of others!

Improper installation can cause serious damage to people and property!




The PowerBOX 3 can be placed on a flat stage floor or attached to any kind of truss, with the **90659** – PowerBOX clamp or the **D9575B** – Snap Fastener 22.

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
L	BROWN	RED	YELLOW/COPPER	PHASE
N	BLUE	BLACK	SILVER	NEUTRAL
	YELLOW/GREEN	GREEN	GREEN	PROTECTIVE GROUND

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

Improper installation can cause serious damage to people and property!



Return Procedure

Returned merchandise must be sent prepaid and in the original packing, call tags will not be issued. 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 return. Be sure to properly pack fixture, any shipping damage resulting from inadequate packaging is the customer's responsibility. Highlite reserves the right to use its own discretion to repair or replace product(s). As a suggestion, proper UPS packing or double-boxing is always a safe method to use.

Note: If you are given an RMA number, please include the following information on a piece of paper inside the box:

- 01) Your name
- 02) Your address
- 03) Your phone number
- 04) A brief description of the symptoms

Claims

The client has the obligation to check the delivered goods immediately upon delivery for any shortcomings and/or visible defects, or perform this check after our announcement that the goods are at their disposal. Damage incurred in shipping is the responsibility of the shipper; therefore the damage must be reported to the carrier upon receipt of merchandise.

It is the customer's responsibility to notify and submit claims with the shipper in the event that a fixture is damaged due to shipping. Transportation damage has to be reported to us within one day after receipt of the delivery.

Any return shipment has to be made post-paid at all times. Return shipments must be accompanied with a letter defining the reason for return shipment. Non-prepaid return shipments will be refused, unless otherwise agreed in writing.

Complaints against us must be made known in writing or by fax within 10 working days after receipt of the invoice. After this period complaints will not be handled anymore.

Complaints will only then be considered if the client has so far complied with all parts of the agreement, regardless of the agreement of which the obligation is resulting.

Description of the device

Features

The Showtec PowerBOX 3 can be used as a power supply for lighting or back-line equipment. The PowerBOX 3 is equipped with 1 x Pro power connector IN and 2 x Pro power connector OUT. Apart from that, there are also 3 x Schuko power outputs, and a built-in Wireless 2,4GHz DMX receiver.

- Input voltage: 220-240V AC, 50Hz
- Power consumption: 6W
- Power output: 10A RMS/16A peak
- Power connections: Pro power connector IN/OUT, 3 x Schuko OUT
- Data connections: 3-pin DMX signal connector OUT
- Wireless DMX: 2,4GHz Wireless Solutions Sweden
- Housing: high-impact ABS plastic
- Tunnel width: 30 mm
- Color: Black
- Dimensions: 335 x 90 x 140 mm (LxWxH)
- Weight: 0,9 kg

Optional accessories:

- **90659** – PowerBOX clamp
- **D9575B** – Snap Fastener 22

Frontside

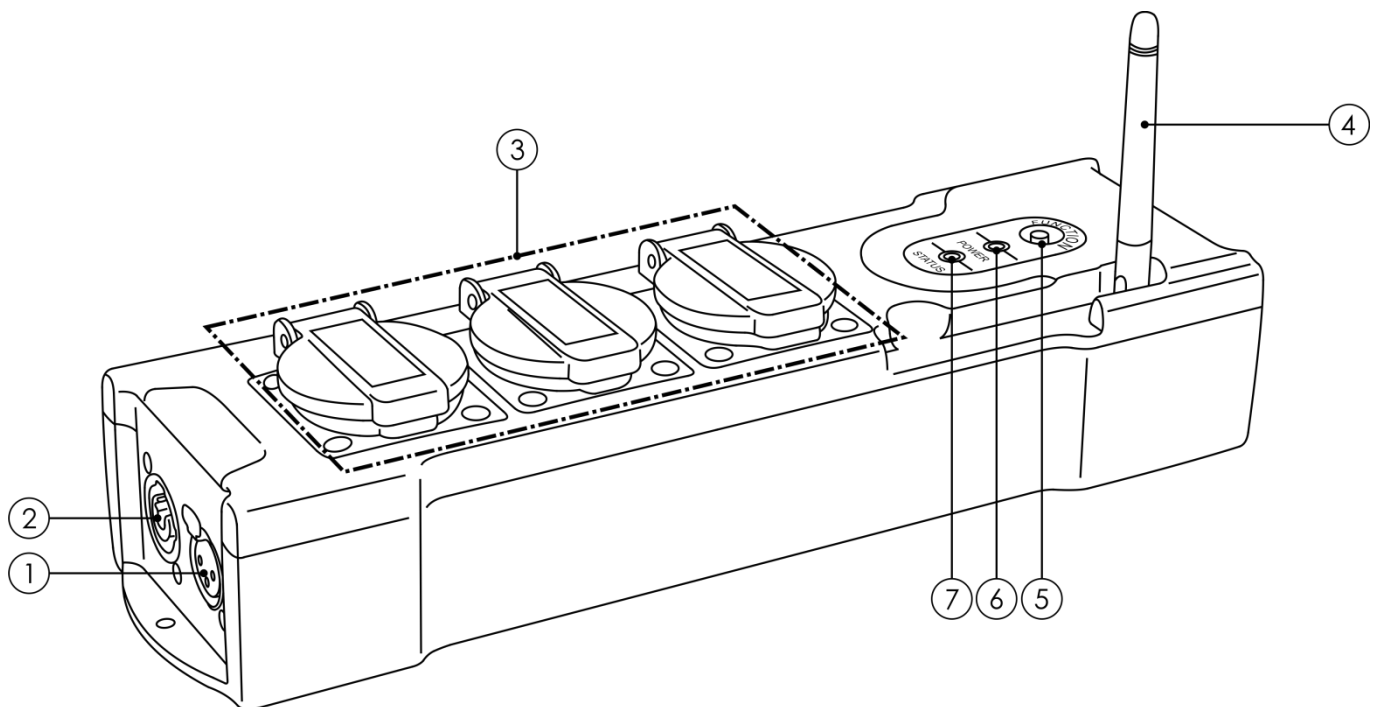


Fig. 01

- 01) 3-pin DMX signal connector OUT
- 02) 220-240V Pro power connector OUT
- 03) 3 x Schuko power connector OUT
- 04) Wireless DMX receiver antenna
- 05) Function button
- 06) LED power indicator
- 07) LED status indicator

Backside

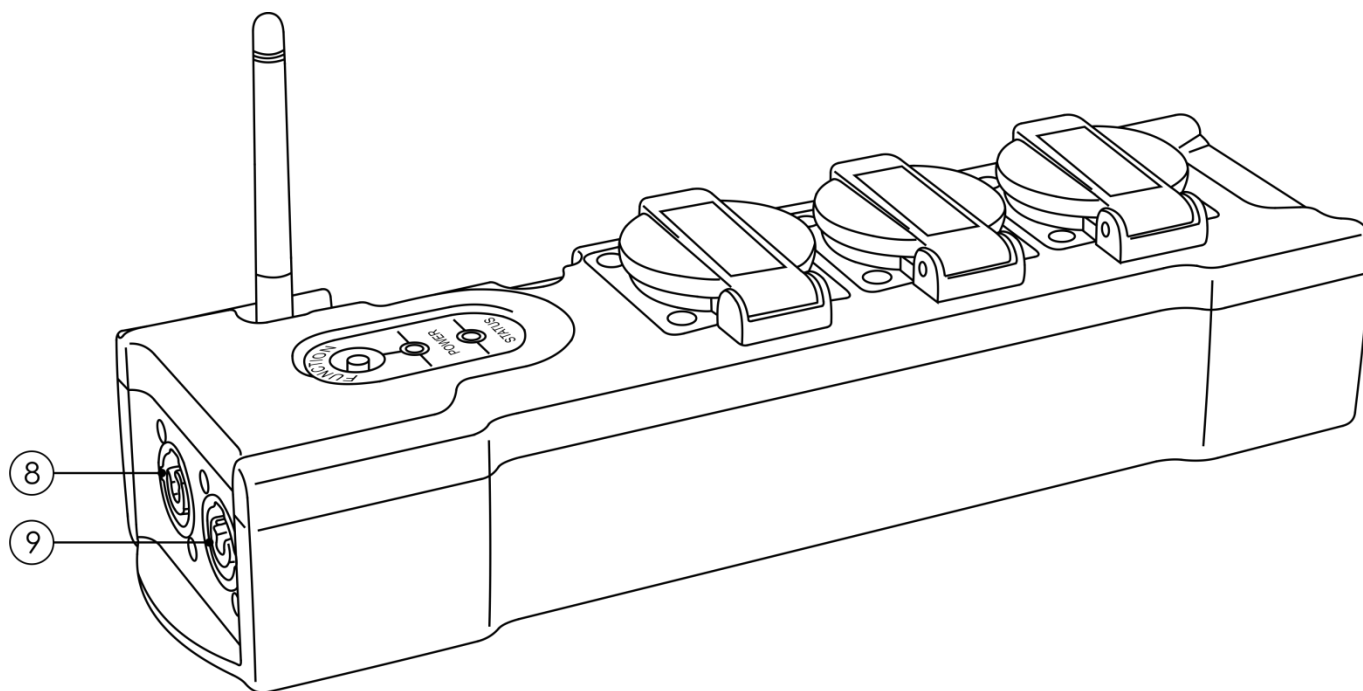


Fig. 02

- 08) 220-240V Pro power connector IN
- 09) 220-240V Pro power connector OUT

Installation

Remove all packing materials from the PowerBOX 3. Check if all foam and plastic padding is removed. Connect all cables.

Do not supply power before the whole system is set up and connected properly.

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. Do not attempt to operate a 120V specification product on 230V power, or vice versa.

Connect the device to the main power supply.

Power ON

- 01) Plug one end of the included Schuko to Pro power cable to the appropriate 220-240V AC power supply and the other end to the power IN connector **(08)** on the device.
- 02) Plug other devices into the remaining 3 x Schuko outputs **(03)** or 2 x Pro power outputs **(02/09)**.
- 03) Using a DMX cable, connect your DMX devices to the 3-pin DMX connector **(01)**.

Linking

- 01) Power on the PowerBOX 3.
- 02) Make sure that the PowerBOX 3 is **not linked** to any transmitter. If the PowerBOX 3 is linked, it needs to be unlinked (see below).
- 03) If you want to link the PowerBOX 3 to a transmitter, please read the manual of the transmitter in question.
- 04) You can link receivers at any time, also during operation. Bear in mind that DMX transmission will then be interrupted.

Unlinking

- 01) Press the Function button **(05)** to unlink the PowerBOX 3 receiver.
- 02) The PowerBOX 3 is now ready to be linked to another DMX transmitter.

LED Status Indicator

While linking/unlinking, observe the LED status indicator **(07)**.

- 01) When the LED is OFF, the PowerBOX 3 is not linked to any transmitter.
- 02) When the LED is blinking slowly, the PowerBOX 3 is linked to a transmitter but does not receive any DMX signal.
- 03) When the LED is continuously ON, the PowerBOX 3 is linked to a transmitter and receives a DMX signal.
- 04) When the LED is blinking quickly, the linking process is in progress or the connection is weak/lost.

Maintenance

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

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

We strongly advise you to let a qualified technician give the unit a maintenance check twice a year.

The following points have to be considered during the inspection:

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

The PowerBOX 3 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. Do not use alcohol or solvents.

Keep connections clean. Disconnect electric power, and then wipe the DMX and power connections with a damp cloth. Make sure connections are thoroughly dry before linking equipment or supplying electric power.

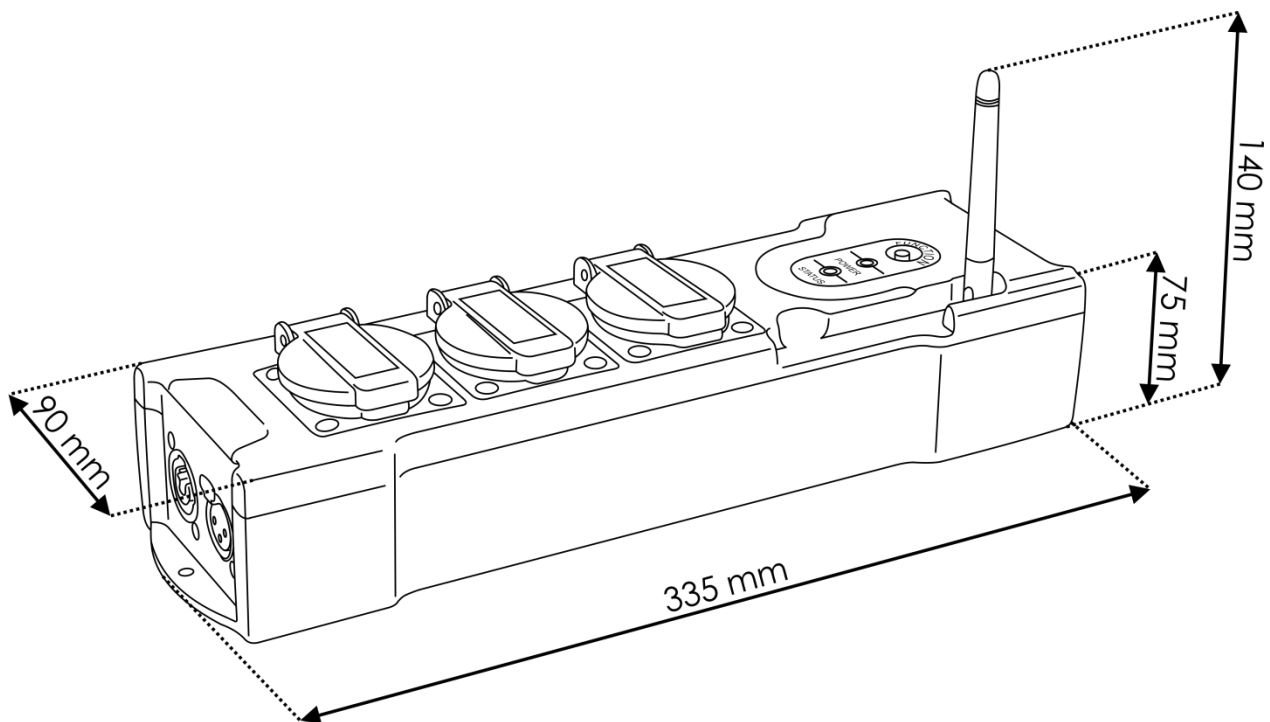
Troubleshooting

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.

- 01) If the device does not operate properly, unplug the device.
- 02) Check power from the wall, all cables, the settings (return to default), etc.
- 03) If all of the above appears to be O.K., plug the unit in again.
- 04) If nothing happens after 30 seconds, unplug the device.
- 05) Return the device to your Showtec dealer.

Product Specification

Model:	Showtec PowerBOX 3
Input voltage:	220-240V AC, 50Hz
Power consumption:	6W
Power output:	10A RMS/16A peak
Dimensions:	335 x 90 x 140 mm (LxWxH)
Weight:	0,9 kg
Operating and Programming:	
Signal pin OUT:	Pin 1 (earth), pin 2 (-), pin 3 (+)
Signal output:	3-pin XLR OUT
Power connections:	Pro power connector IN/OUT, 3 x Schuko OUT
Wireless DMX:	2,4GHz Wireless Solutions Sweden
Housing:	High-impact ABS plastic
Tunnel width:	30 mm
Color:	Black
Connections:	Dedicated Schuko to Pro power
Max. ambient temperature t_a :	35°C
Max. housing temperature t_B :	80°C
Minimum distance:	
Minimum distance from flammable surfaces:	0,5 m



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



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