



# **DST FIBRE OPTIC LIGHTSOURCE USERS MANUAL**



**CE**



# 1. Getting started

**The following points are important for safety as well as for the smooth installation and performance of the unit.**  
*This unit is NOT a toy. It should only be used under the close supervision of a responsible adult*

- ✓ Unpack carefully and be sure that no damage has occurred during shipping.
- ✓ Do not connect the device to any dimmer pack.
- ✓ If electrical work is required for installation, qualified personnel must only do this.
- ✓ The unit must be located in a place with adequate ventilation at least 15cm from the walls. Do not block any ventilation slots.
- ✓ Ensure that no liquid or other objects can enter the unit. Disconnect the unit immediately from the mains supply should this happen.
- ✓ In the unlikely event of product malfunction, turn off the unit immediately. Never try to repair the unit yourself. Repairs carried out by non-approved personnel can lead to serious damage or malfunction and will void warranty. Please contact us for any technical assistance.
- ✓ Occasional breaks are necessary to prevent breakdowns. The unit is not designed to be used non-stop.
- ✓ Always remember to unplug the unit from the mains supply before any service is done.
- ✓ **RCD protection is highly recommended.**
- ✓ **This unit operates on Low Voltage. Use only the supplied external power supply. Never plug the unit directly into the mains.**
- ✓ If unit requires mounting, ensure it is mounted to a mechanically sound surface.
- ✓ **To avoid burn hazard, leave unit to cool down before changing lamp.**

## 2-Main features

- Voltage: AC 230V 50Hz (AC 110V 50Hz – North America)
- Double Insulated Safety Isolation Transformer – Max 19VAC present inside lighting unit
- Bulb Type
  - 15V 150W – A1/232
- The unit is a DST compatible colour changer. It features full DST control, 7 dichroic colours plus white, accurate focusable optics and is fan cooled.
- Beam heat absorption optical system.
- Fibre Optic Port ID: 30mm
- Weight: 3.5kg

## 3-Lamp

- **ALWAYS!!** switch off the mains supply and **allow unit to cool** before changing lamp. The lamp gets **VERY HOT!!**
- Removal of the thumb type screws that fixes the small square panel on top of unit, allows access to the lamp.
- Bulb Type
  - 15V 250W – A1 / 232
- Do not touch the bulb with bare hands. If this happens, clean the lamp with denatured alcohol and wipe with lint free cloth before installation.
- Average bulb life: 120Hrs
- Subjecting the unit to sudden shocks will cause premature bulb failure.

# 4-Controls

- The male 4-pin XLR on the back of the unit is used to connect the unit to the External Low Voltage Power Supply.

**NEVER CONNECT THIS UNIT DIRECTLY TO THE MAINS SUPPLY.**

- The DST Program (Red) button is located on the rear of the unit.
- The BNC connector on the rear of the unit is for attachment of the black stub antenna.  
*Note: if this antenna is not in place the usable range of the unit will be greatly reduced. The antenna should also be kept away from large metallic objects.*
- The Green LED on the rear of the unit indicates the unit is powered up.
- The Blue LED on the rear of the unit indicates that DST activity is being detected.
- An external cooling fan (not included) and / or an external program button (not included) can be connected to the unit using the 3.5mm socket located on the rear of the unit
- The bush on the front of the unit is used to locate a standard fibre optic fitting found on standard fibre optic products. The fibre optic fitting can be secured to the unit using the cross head screw located on the top of the bush.

**IF YOU ARE IN ANY DOUBT AS TO HOW TO SAFELY INSTALL THE UNIT PLEASE CONTACT US OR CONSULT QUALIFIED PERSONNEL.**

# 5-DST

The award winning DST system has brought an exciting new truly interactive dimension to multi-sensory.

In its basic form the DST system consists of two components, the cause and the effect. Any cause can be used to control any number of effects.

This DST light source is an effect and will respond to any DST cause it is 'linked' to.

This creates a unique new dimension in which the user can interact with either a single item as with traditional technology or indeed every item in the room! The combinations are numerous.

## **So how do I make the light source react to the DST**

### **Buttons?**

Simply press and hold the red program button on the rear of the light source, while pressing any button on the DST buttons unit.

The light source now responds to the buttons!

## **Ok then, how do I make the light source react to the DST**

### **Colour Die?**

Again, press and hold the red program button on the rear of the light source, now turn the die over on to any colour.

The light source now responds to the die! Easy eh?

The same method is used to link this unit or indeed any DST effect to any DST cause. Just press and hold the DST program button and operate the master you would like the unit to link with.

# 6-Initialisation

When the unit is powered up, it goes through an initialization routine where it moves all motors to their datum points. Bumping noises may be heard as the unit checks the limits of movement on the motors. This is perfectly normal and will last approx. 10secs. **The lamp will not light until a command from a DST master it has been programmed to is received.**

# 7-Modes Of Operation

The unit will work in either DST interactive mode (reacting to whatever it has been linked to) or Passive automatic colour changing mode.

When first powered up, the unit automatically enters DST mode, responding to the last item it was linked to.

*To enter Passive mode*, press and hold the red program button (on rear of unit) for approx. 5 secs. The unit will begin to scroll through all available colours.

*To enter DST mode*, hold down the red program button while activating any DST master (see DST section)

# 8-Fixture Cleaning

The fixture should be cleaned using a damp cloth. Do not use abrasive materials. Dry unit before operating

For further requirements contact The Sensory Company technical assistance centre.

# 9-Troubleshooting

## **No Light From Unit**

Check green light on back of unit is lit. If not then no power is getting to the unit. Get suitably qualified personnel to check mains supply and fuses.

If green light is lit, ensure the unit is linked to a DST 'cause' item (see DST section).

*Try placing unit into passive mode:*

Press and hold the red program button on the rear of unit to place unit into passive mode.

If lamp still does not light, the lamp may need changing (see Lamp section).

If lamp now lights, the problem could be with the unit you were trying to get the light source to respond to. Check the blue DST Activity LED flashes when the DST 'Cause' controlling unit is operated. If not then the Master unit is not sending out DST Information, and may need its battery(s) changing.

See the relevant product manual for instruction how to remedy.

## **Range of unit is limited**

Ensure the black stub antenna is correctly placed on the BNC connector on rear of unit. Ensure the antenna is not placed in close proximity to large metal objects

Manufactured in EC

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04/07