



**THE SENSORY
COMPANY**
refreshingly different

DST SCANNER 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

- ✓ Ensure that no damage has occurred during shipping.
- ✓ If the unit is supplied without a fitted plug, it is important to ground the yellow/green conductor in order to meet regulations for safety.
- ✓ Do not connect the device to any dimmer pack.
- ✓ If electrical work is required for installation, qualified personnel must only do this. **RCD protection recommended.**
- ✓ 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 from the mains supply should this happen.
- ✓ Ensure ALL safety regulations are met – especially in pools / bathrooms. Low voltage versions and isolation transformers (optional extra) are available where mains regulations cannot be met.
- ✓ 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 powered permanently. A method of isolation from mains when not in use is essential (i.e. Master Isolator / Switch).**
- ✓ Always remember to unplug the unit from the mains supply and allow unit to cool, before any service is done.
- ✓ This unit is heavy. Make sure it is securely mounted to a structurally sound surface

2-Main features

- Voltage: AC 230V 50Hz
- Lamp: A1/259 250W 24V (5H Version Recommended)
- The unit is DST (Patent Pending) compatible. It features full DST control, 7 dichroic colours plus white, accurate focusable optics, precision beam positioning and is fan cooled.
- Beam Positioning : 180 Degrees
- Power Consumption: 300W approx.

3-Lamp

- Partially unscrew the four screws which hold the large lower front panel until they are out approx. 5mm.
Carefully remove the Panel to gain access to the lamp.
- Bulb type: A1/259 250W 24V
- Always switch off the mains supply and **allow unit to cool** before changing lamp.
- 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: 80Hrs (on high output level)
- Subjecting the unit to sudden shocks can cause premature bulb failure. Placing the unit on the low output setting (switch on back of unit) will greatly extend lamp life.

4-Controls & Connections

- DIP switches on bottom of unit are reserved for future use and should be set **ALL Off**
- The 3 Pin XLR socket on the bottom of the unit is for connecting an External Program Unit (Available Separately)
- On some versions, a Red DST Program button is located on bottom of unit.
- Power on LED (red) is located on bottom of unit and is lit when the unit is powered up.

- DST Ready LED (green) is located on bottom of unit and flashes rapidly when unit is ready to respond to DST.
- BNC Connector at the bottom of the unit is for attaching the external antenna (included).

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 DST *cause* and the DST *effect*. Any DST cause product can be used to control any number of DST effects.

This DST Scanner is a DST effect and will respond to any DST cause product 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.

How do I link the Scanner to the DST Trackerball?

Simply press **and hold** the red program button on the bottom of the Scanner (or external controller (available separately) – if fitted), while pressing the large red colour select button on the side of DST Tracker ball unit.

The scanner changes colour, and now responds to the trackerball's every movement!

How do I now make the Scanner react to the DST Coloured Cube?

Again, press **and hold** the red program button on the bottom of the Scanner (or external controller (available separately) – if fitted), now turn the die over on to any colour.

The Scanner now responds to the cube!

(Hint: The cube does not have position control feature so you will be able to change the colour of the Scanner, but not the

position of the beam. For position control, use the DST trackerball)

The same method is used to program this unit or indeed any DST effect to any DST cause.

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. 30secs. **The lamp will not light until the unit receives a command from a DST cause it has been programmed to.**

7-Modes Of Operation

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

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

To enter Passive mode, press and hold the red program button (situated either externally, or on the bottom of the unit) down for approx. 6 secs. The unit will begin to scroll through all available colours.

To re-enter DST mode, hold down the red program button while activating any DST cause product (see DST section), or power down the unit, then re-apply power.

Ensure the stub antenna is attached to the unit, otherwise range of operation will be much decreased.

NOTE:

THE POSITION OF THE LIGHT BEAM CAN ONLY BE MANIPULATED USING A DST CAUSE PRODUCT WITH POSITION CONTROL FEATURES (i.e. DST

TRACKER BALL, INTELLI-POOL CONTROLLER ETC.). THE COLOUR / SHAPE OF THE BEAM CAN HOWEVER BE CONTROLLED USING ANY DST CAUSE PRODUCT.

8-Fixture Cleaning

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

9-Troubleshooting

Shapes are out of focus

The shapes can be focused by screwing the focusing lens (situated just under the motorised mirror) up or down.

No light from unit

Check red 'Power on' LED is lit and fan is running. If not there is no mains supply. Check mains wiring and integral fuse in mains inlet connector on bottom of unit.

If Red LED is lit, check green 'DST Ready' LED is flashing rapidly. If not, contact Sensory Company Technical Support.

Ensure you have programmed the unit to a DST cause product (see DST section)

Try programming the unit to a different DST cause product. If this works, the problem could be with the previous DST cause product.

Check dipswitches on bottom of unit are ALL set to OFF

Check lamp is alight. You should be able to see light escaping through the fan hole. If not, the lamp may need replacing.

For further requirements contact your local Sensory Company technical assistance centre.

Manufactured in EC

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