



DST Bubble Tube USERS MANUAL



CE

1-Getting started

We recommend that you read the whole manual to ensure you get the most from this unit and the DST system.

The following points are important for safety as well as for the smooth installation and performance of the unit

- ✓ Unpack carefully and be sure that no damage has occurred during shipping.
- ✓ This item is not a toy. It must only be used under close supervision. Never allow users to rock or hit the tube. Doing so may cause the tube to crack and void warranty.
- ✓ **The External Power Supply Unit must be installed well away from the Bubble Tube unit or other sources of liquid hazard.**
- ✓ Do not connect the external power supply or bubble tube unit 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. Do not block any ventilation slots.
- ✓ Ensure that no liquid or other objects can enter the base or external Power Supply unit.
- ✓ 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.
- ✓ Always remember to unplug the unit from the mains supply before any service is done.
- ✓ Make sure the unit is securely fastened to a structurally sound surface. In fixed installations, the top of the bubble tube must be supported by our bubble tube bracket or similar.
- ✓ To avoid rapid buildup of bacteria and algae inside the tube, use our BCB Fluid water agent as directed on the packaging and avoid installing unit in direct sunlight.

2-Main features

- Voltage: AC 240V transformed down to 12-13VAC
- Lamp: A1/232 150W 15V
- The unit is DST (Patent Pending) compatible. It features full DST control, 7 dichroic colours plus white, and is fan cooled.
- Intelligent Microprocessor Control
- Passive colour scroll mode
- Power Consumption: 300W approx.

3-Lamp

- Simply unscrew the crosshead screw(s) that holds the lamp cover in place to gain access to the lamp.
- Bulb type: A1/232 150W 15V
- Always switch off the mains supply and **allow unit to cool** before changing lamp. Carefully remove lamp-connecting plug and slide lamp out of its holder.
- Do not touch the new bulb with bare hands. If this happens, clean the lamp with denatured alcohol and wipe with lint free cloth before installation.
- Reconnect lamp-connecting plug and refit cover plate.
- Average new bulb life: approx 200Hrs
- Subjecting the unit to sudden shocks can cause premature bulb failure.

4-Controls

- The Red DST Program button is located on the base of the unit (or external control unit – where fitted).
- The 3 pin XLR power supply input is located on the base of the unit. **Under no circumstances should mains supply voltages be placed directly into this input. Only use the approved power supply unit (supplied).**

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 Bubble Tube is a 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 Bubble Tube react to the DST Buttons?

Simply press and hold the red program button on the Bubble Tube, while pressing any button on the DST buttons unit. The Bubble Tube now responds to the buttons!

Ok then, how do I make the Bubble Tube react to the DST Colour Die?

Again, press and hold the red button on the Bubble Tube, now turn the die over on to any colour.

The Bubble Tube 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 desired unit's program button and operate the cause you would like the desired unit to interact 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 unit will not light or produce bubbles until it receives a command from a DST cause it has been pre-programmed to.**

7-Modes of Operation

The unit operates in either DST interactive mode (default mode) or Passive mode. Passive mode is achieved pressing and holding the program button for 6 seconds. After 6 seconds the unit will enter passive mode. Whilst in passive mode the unit slowly scrolls through all available colours.

Re programming the unit to a DST cause (see DST section, or powering down the unit will place it back into DST interactive mode.

After 20 minutes of no activity, the unit will enter a standby mode.

8-Unit Cleaning

The tube should be cleaned using a damp cloth. Do not use abrasive materials.

If using Bubble Safe water additives, we recommend water is changed every 6 months, otherwise the water should be changed every 4 weeks. If unit is used in direct sunlight algae build up is accelerated and so unit water must be changed every 7 days. Failure to follow the above guidelines will cause the airflow to gradually decrease due to alga build up in the bubble tube airways causing bubble to eventually cease, and voiding warranty.

9-Troubleshooting

No light or bubbles from unit

Check fan is running. If not, there is no power getting to the unit. Check mains is switched on and wiring is correct. Check power supply unit is correctly plugged in to the unit. Check fuse to power supply unit.

Ensure you have programmed the unit to a DST cause (see DST section) and that DST cause has been operated.

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

Try placing the unit into Passive Mode.

Unit producing bubbles but no light

Either the unit has received a blackout command (i.e from the MEGA Buttons while in momentary/toggle/racing modes) or the lamp may need replacing

Unit lighting up but not producing bubbles

Contact the Sensory Company technical assistance centre.

Manufactured in EC

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