

UV-in-a-Suitcase

Standard and Deluxe Models

User Information
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Introduction

This guide has been designed to explain the development of the **UV-in-a-Suitcase** as well as providing user information, advice and general suggestions as to how to achieve the maximum benefit from your purchase.

The suggestions on “**how to use**” the Suitcase are not exhaustive and many new and exciting ways are being developed everyday. Every user will have their own individual choices and preferences, experimentation and discovery is at the heart of the Suitcase’s purpose.

Development of UV-in-a-Suitcase

UV-in-a-Suitcase is the younger sister to our highly successful Sensory-in-a-Suitcase that was originally designed as a result of children being unable to attend their local multi-sensory room due to the nature of their disabilities or due to frequent illness. It was also felt that children would benefit from daily sensory stimulation within their homes and at times when they were most receptive and alert.

UV-in-a-Suitcase was developed as a result of increasing demand for a smaller and more specific sensory kit that focused on ultra violet products in particular. The flexibility of the kit enables the equipment to be moved around and used in a variety of ways to suit the needs of individuals or groups.

Using the sensory equipment will enrich the quality of life and enable the development of more meaningful relationships with families, carers and the surrounding environment whether based in playschools, nurseries, special schools or at home.

Inside the Standard UV-in-a-Suitcase

- 18" Blacklite Tube
- Four Magic Rods
- UV Knot Ball
- Shadow Board (40cm x 50cm)
- LED Flashlight
- LED Light Ball
- 4mm Line Lite (4 colours - each 1m long)
- 8mm Line Lite (4 colours – each 1m long)
- White Granulite (150g)
- Yellow Granulite (150g)
- UV Nylon Fabric (Orange & Yellow)
- UV Pens
- Dry Wipe Board
- UV Roller Shaker
- Glowing Pebble
- Glow in the Dark Sensory Ball
- Character Mirror
- Squeezeie Ball
- Squeezies (Set of 6)



Inside the Deluxe UV-in-a-Suitcase

(as per the Standard Suitcase plus)

- UV Plastic Fibre Optic Sideglow (100 tails x 2m)
- Mini LED Lightsource
- Transformer for LED Lightsource

Establishing an Environment for UV-in-a-Suitcase

The whole concept of the UV-in-a-Suitcase is that the sensory experience can be taken to the individual rather than the individual to the environment.

Amazingly compact, the suitcase houses a wealth of sensory equipment that is ideal for therapy, education and play activities.

To achieve maximum benefit from the UV products within the suitcase, a darkened room is preferable. By simply drawing the curtains or blackening the windows with dark paper the desired effect can be achieved. Alternatively, create a more intimate darkened area within a larger room by setting up a small tent with the equipment inside.

It is important to remember that all the equipment does not have to be used immediately or during one session. Initially, it is advised that one piece of equipment at a time is experimented with, responses monitored and a picture of preference is built up over time. It is also important to recognise that a bad reaction is as valuable as a good reaction.

This may not be a definitive list and some items are subject to change.

Ultra Violet Light Health and Safety

Incorporation of lighting products within a sensory environment is key to creating the appropriate atmosphere and whilst the UV-in-a-Suitcase can be effective and worthwhile without the use of the ultra violet light, the products that have been incorporated will achieve the best results with the Blacklite Tube.

There have been general health and safety concerns raised about the use of the ultra violet lighting effects, however, studies have shown that provided UV black light lamps are “used properly” they are “safe and pose no risk to health” (Diffey, B. 1993, “Ultra violet black lamps for visual stimulation: is there a risk to health?”).

The Blacklite fluorescent lamp used in the UV-in-a-Suitcase employs a special phosphor and filter glass so that nearly all of the radiant energy is in the near-ultra violet or blacklight spectral range. These radiations, which are abundant in sunlight and skylight, are not considered harmful to normal skin and eyes. However, persons who must take precautions against ordinary exposure to sunlight should be similarly cautious in using the blacklite source.



UV Light with Magic UV Rods

Blacklite Tube

This Ultra Violet light is powered by the mains socket (15w).

It can be placed on its end, on its back or hung using the holes at the rear.

The tube is fragile and should be handled with care. Ensure that it is repacked with the tube facing down in the suitcase to prevent damage. Supervision is essential at all times due to the fragile nature of the glass tube. Always unplug before replacing lamp or for maintenance.

For indoor use only.

The Blacklite Tube is a useful tool to aid concentration. Fluorescent objects and material will glow many times brighter than in natural light creating a focusing and exaggerated effect.

Dark objects can be placed against UV fabrics to illuminate them better.



Magic Rods and Linelite

Magic Rods are lengths of smooth UV reactive acrylic material that glows under UV lighting.

Try rolling them on the floor under UV light.

Linelite is flexible plastic tubing which is highly fluorescent under UV light.

Try draping the Linelite between fingers and hands or over a chair.

UV Mirror Chime Mobile

This mobile consists of strips of UV reactive Perspex with bells that respond to the slightest touch providing auditory and visual stimulation.

Hang from the back of a chair or hook for the best effect or use on the floor. Pull the cord to create movement and noise.

Ensure the mobile is secure when hung.

Use the Blacklite Tube for a highly stimulating effect and increased visual reward.

If there is a problem with knowing where to hang the mobile from, try hanging it on a piece of string between two static pieces of furniture.

Dry Wipe Board and UV Pens

A simple yet effective way to communicate utilising fluorescent marker pens and an easy clean white board.

Under the Blacklite Tube the words, shapes and patterns on the white board will glow and enable “glow-in-the-dark” messages to be written.

UV Nylon Fabrics

These are 1m² of fabric that can be used for a variety of purposes.

They are fire retardant and will fluoresce under UV light. The UV reactive fabrics are excellent to highlight dark objects.

+ UV Knot Ball

Rubbery multi-coloured interwoven links make up a large “ball” which is bouncy and easy to catch, as well as being fun to fiddle with.

LED Light Ball and the UV Roller Shaker

The Led Light Balls are wonderfully tactile, safe and washable. They are non-toxic and can be washed in water. They will glow under UV lighting.

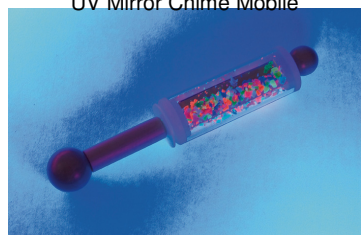
Try working with the Blacklite Tube. Throw them into a bowl or balance on a wooden spoon, back of hand or head.

The UV Roller Shaker is great for tracking and hand-eye co-ordination.

A great sound and tactile effect.



UV Mirror Chime Mobile



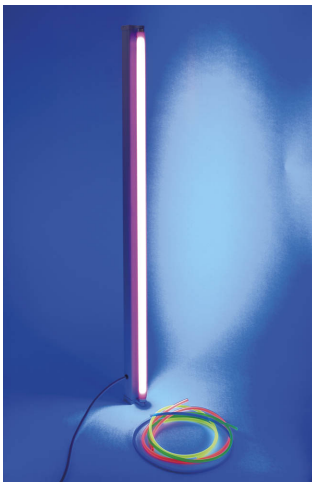
UV Roller Shaker

Shadow Board and LED Flashlight

Develop creative skills and encourage visual stimulation and exploration.

Using the Flashlight create patterns and shapes against the Shadow Board by shining the flashlight at the board.

Try placing your hand on the Shadow Board and shining the flashlight around the outside, remove your hand and see the hand shape that has been left. Try an assortment of objects and develop different shadow shapes.



UV Light with Line Lite

Glowing Pebble

Ideal for tracking and interaction; the strong pure colour waves retain attention whilst the tactile nature of the glowing pebble is a stimulating effect.

Try rolling the ball back and forth to encourage tracking and visual stimulation.

The Glowing Pebble is supplied partly charged; it will need to be fully charged before use. A full recharge will take between 12 and 14 hours with the Glowing Pebble switched off. The Glowing Pebble will recharge with the light function switched on or off. Once the Glowing Pebble starts to pulse, it must be recharged. To recharge, plug the charger into your mains wall socket and insert the jack plug through the Glowing Pebble's splash-proof seal. The Glowing Pebble will operate for up to five hours from a full charge. After charging disconnect the Glowing Pebble from the charger and remove the charger from the wall socket.



The silicone rubber switch on the underside of the Glowing Pebble operates all features. A short press will switch the Glowing Pebble **on** and it will begin its fade cycle, another short press will freeze the colour indefinitely. Pressing once will continue the cycle. To switch the Glowing Pebble **off**, press and hold the button for over 1 second. To ensure maximum battery life, allow the Glowing Pebble to run for at least four hours before recharging and do not use for more than six hours without recharging.

Do not use the Glowing Pebble's charger outdoors or in damp conditions and avoid leaving the Glowing Pebble outdoors during adverse weather conditions. The seal on the Glowing Pebble is splash proof but do not submerge in any liquid.

To clean the Glowing Pebble use a little washing up liquid diluted with water on a soft cloth or sponge to wipe clean. Rinse clean under gently running tap water, fully covering the splash-proof seal with a finger. Gently dry with absorbent paper towels. Do not use any solvents, abrasive materials or cleaners on this product.

Inside the Deluxe UV-in-a-Suitcase

As Standard plus:

- UV Fibre Optic Sideglow and Mini LED Lightsource (100 tails x 2m)
- Transformer for LED Lightsource

Lightsource

For use with the fibre optic strands to create the light that reflects down the strands.

Insert the fibre optic harness into the circular fitting at the front of the lightsource. Use the attached 'Alan' Key to tighten the screw in the top of the black collar of the Mini Lightsource to lock the harness in position. Plug the lightsource into the mains power or 4-way gang plug and switch on at the back of the unit.



The LED lightsource replaces the traditional bulb driven 50w lightsource, removing the bulb (LED's don't use bulb technology) has simultaneously allowed SensoryPlus to dispense with the fan and make the unit much smaller. The new product is essentially maintenance free and should run indefinitely without the need for customer intervention.



UV Fibre Optic Sideglow

UV Fibre Optic Sideglow

This is a spray of fibre optics that connects to a lightsource. Light emitted from the lightsource is reflected down the optic fibres.

There is no danger from electricity when handling the fibre optic strands. However, if the strands are bitten or broken, the fibres can escape and will cause skin irritation if touched. They are not pleasant if swallowed and could cause distress. If the fibres do break they can be repaired quite easily (refer to Troubleshooting). Placing the fibre optics in the mouth without biting is not dangerous.

Do not, however, let this deter you from using the fibre optics as the benefits far outweigh the risks when used under supervision.

Fibre Optics are a great tool for visual tracking. Pass the fibre optics in front of the eyes, slowly and quickly or just wriggle them in front. The amount of light seen can be altered by holding a different number of strands at any one time.

If the fibre optics are too bright, cover them with UV material to tone down the brightness and provide a different effect. It also encourages exploration, balance and reaching.

Make a tent and use the fibre optics to create a "grotto" effect.

For those who have limited toe movement or tend to hold them in one position, try running one strand, firmly but gently along one side of their foot. Stimulating the sides of the foot will encourage movement, for example if the foot tends to turn in then stimulate the outside. They may only be tiny movements initially but significant results have been achieved using this method.

For hands, stimulate the back of the hand or between the fingers to encourage wriggling!

Packing and Transportation

- **The Bottom of the Suitcase**
- **The Top of the Suitcase**
- **Closing the Suitcase**

The Bottom of the Suitcase

The bottom of the suitcase has been designed to hold more delicate equipment.

Key items to ensure they are repacked correctly to avoid breakage:

- Black Light Tube - ensure that the tube is placed face down within the sculpted foam.

The remaining items should be packed in the black nylon bags and placed around the Blacklite Tube and Lightsource (if applicable).

The Top of the Suitcase

The top of the suitcase houses the Shadow Board and the UV Fibre Optic tail (if applicable).

Opening and Closing the Suitcase

When the case is packed, fasten the divider to the top of the case with the rubber fasteners. This will prevent the Shadow Board and Fibre Optics (if applicable) falling out when the top is folded onto the bottom for closure.

When the case is closed, make sure it will lock without excessive force.

Lock the case using the two side clasps and the middle fastener.

If you are using the combination lock, please ensure that the combination is easily remembered or recorded somewhere safe.

To move the case using the extension handle, depress the button at the base of the handle upwards.

When opening the case ensure that the handle is on the top and visible. The manufacturers name on the lock should be up the right way for reading too.



Troubleshooting – Replacements and Spares

LED Flashlight – 3 x size AAA Batteries

SE367 – 18" UV Tube Replacement

100934 – Highlighter Pens

100932 – White Granulite Top-Up

100933 – Yellow Granulite Top-Up

Helpline

Should you have any concerns either pre or post purchase of the UV-in-a-Suitcase contact our Customer Services team on **Freephone 0800 212709** or from outside the UK **+44 (0) 1440 705352** to discuss further. Alternatively, if you purchased your UV-in-a-Suitcase from a Kirton distributor in the first instance please contact your point of reference there.

All the items in the UV-in-a-Suitcase are available individually, so in the event of misplaced or damaged items ring the above number for details on pricing and ordering.

If you have faulty goods please inform our Customer Services Team as soon as possible.

sensory+

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