

Speedbrite Inc. Model 100SB Personal Size Ionic Cleaner

For gold, gold filled, silver, gold over silver and most costume items

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Gem Sparkle liquid concentrate –(SBGS8) or dry powder mix and empty bottle – (SB8OZDPB)
9-volt alkaline battery
Stainless steel basket – (BASKET100)
Ring bar – (SBRB100)
Detail cleaning brush – (SBBRU-1)
Instructions, set up page and warranty card.

OPTIONAL: battery bypass transformer (110V Only) –(SBBYP100PS)

Speedbrite instructional video on YouTube; type *Speedbrite ionic cleaner* in search bar or our website www.speedbrite.com at bottom of the front page.

OPERATING PROCEDURE

- ◆ Insert battery (remember to remove protective cover first) or attach by-pass transformer.
- ◆ Access is in the bottom of cleaner. If using a transformer, plug into cleaner before plugging into wall.
- ◆ Leave blue screen in tank. Screen protects items from grounding with metal plate. **Be sure to replace the screen if it is removed when cleaning the unit.** Proper placement is in bottom of tank **UNDER** the basket.
- ◆ Liquid Gem Sparkle is ready to use. Loose cap on the side of the measuring compartment and make sure the second cap is tight. Squeeze bottle so liquid fills measuring compartment to desired amount. **For 100SB** use 1 oz. liquid Gem Sparkle and fill cleaner with water to just below the inner rim. If supplied with dry Gem Sparkle, mix both A and B vials in the empty bottle and fill with water to make 32oz concentrate. Use this mixture as you would use liquid Gem Sparkle.
- ◆ Put jewelry in basket and **attach clip wire to basket**. Or hang items to be cleaned on ring bar and **attach clip to ring bar**. Push the button to activate ionic cycle. Cut off is automatic. Rinse jewelry thoroughly and dry with a soft cloth. If items need further cleaning, it is safe to use another cycle.
- ◆ Indicator light shows electrolysis is creating foam (small bubbles). Light will go out when cycle is finished and will come back on when button is pushed again. Foam will slowly cover items being cleaned. Use of basket will diminish noticeable foam, but items are still being cleaned.
- ◆ Speedbrite cleaners are not heated. You will hear a low hum from the agitator motor in Turbo models.
- ◆ **Clean silver** for 5-15 seconds, remove clip wire and rinse thoroughly. If still tarnished, repeat. **Gold** may be left in for the full cycle, approximately 32 seconds. Remove after the cycle is complete and rinse thoroughly with clean water. Ionic cycle may be repeated if necessary.

HINTS FOR TROUBLE FREE CLEANING

It may be necessary to brush behind stones with a soft brush. Stones do not conduct current as metal does. Items are degreased by the ionic cycle but heavy dirt and soap accumulation will need to be brushed and rinsed away. To prolong clip wire life, rinse after cleaning session and keep clip wire out of solution by attaching it to edge of the basket or ring bar. (clip wire is an electrical part that should not be placed in solution)

Shorter cleaning time is recommended for silver. (Just unplug clip wire and let cycle finish.) Hematite and copper bearing stones may be safely cleaned by soaking without pushing the button. Limit time in solution for stones that have been soaked in oils for added luster. Unless using a basket, silver pieces and fine chains should not touch each other in the tank. Slight darkening may occur where the pieces touch each other. Some low karat solder joints may darken. Reclean separately to remove darkening. You may also wipe with a little silver polish and rinse.

Ionic cleaning is effective for most metals except brass, bronze and copper. Cleaning these items may cause darkening of other metals that are in the same bowl. These items should be cleaned separately, and the bowl, basket and blue screen will need to be cleaned after use. Start with fresh solution after cleaning these items.

The shelf life of Gem Sparkle liquid concentrate is approximately 20 to 24 months. After that time, the **electrolyte is still effective**, but the color may fade to a light pink. Storing solution in bright light will also fade the color but it is still an effective electrolyte. Dry GS may lighten after water is added if not used within several months. Electrolyte is still effective.

When changing solution, keep button, clip wire and jack areas dry. Cleaner should not be immersed. To clean, pour solution out of side opposite wires and buttons. Cleaning screen and metal plate will improve conductivity. Be sure to replace the screen before refilling.

Speedbrite cleaners are suggested for use as directed with most stones, diamonds and pearls in jewelry items (not strands). Follow suggested cleaning times and limit cleaning time for treated stones, opals or pearls. See website for a list of stone cleaning suggestions. Always rinse thoroughly.

Silver, rose gold, gold plated and gold-filled require special attention. Clean for only 5-15 seconds, remove clip wire and rinse. Reclean if still tarnished. Lightly tarnished silver will be tarnish free as soon as foam forms over the piece. However, tarnish on silver may not float away from the piece. Rinsing and buffing with a soft cloth will easily remove this loosened tarnish. Try unclasping chain and attach clip to one end. Pull the chain through the solution a section at a time until it is all cleaned. Rinse and repeat if needed.

When different metals are cleaned at the same time with different results. You should separate different metals and sizes to make sure they all get cleaned correctly. Some will need more time and some less. Items that have been treated with liver of sulfur to darken the appearance will need 5-10 seconds in the cleaner. Check treated item every 5 seconds to see if the natural tarnish was removed and not the man-made tarnish.

You will notice a sulfur odor when cleaning silver. This is normal. Change solution when color turns orange, grayish or cloudy. Using a very dirty solution and allowing sediment to build up under blue screen will diminish cleaning results and, in some cases, redeposit tarnish back onto pieces being cleaned. If the solution evaporates while in unit, add water. (water level should be always kept near the top of bowl) **Depending on water conditions, slightly more concentration may be needed for optimal cleaning. Adding 1 ounce of Gem Sparkle will not harm items being cleaned. Tap water is fine in most cases.**

Jewelry that has been sitting for decades will not come clean. The tarnish was placed on the piece over time and will need to be taken off in layers. This will take several cleanings depending on how many years it took to acquire the layers of tarnish.

WARRANTY

Speedbrite Ionic Cleaners are guaranteed to be free of manufacturing defects for one year from date of purchase. Warranty is void if the cleaning system has been altered in any way, submerged in water or not used as suggested. Liability of Speed Brite is limited to the value of the ionic cleaner under warranty. Return warranty card within 30 days of purchase.

FOR YOUR RECORDS

MODEL 100SB _____

PURCHASE DATE _____
WARRANTY RETURNED _____

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