

Dan&Darci DD009

Dan&Darci Advanced Professional Rock Tumbler Kit

Model: DD009
Instruction Manual

PRODUCT OVERVIEW

The Dan&Darci Advanced Professional Rock Tumbler Kit provides an exciting and educational experience for transforming rough stones into beautifully polished gems. This kit is designed for ease of use, featuring digital controls for precise timing and speed adjustments, ensuring optimal results for various rock types.

The rock tumbling process is a fascinating journey that teaches about geology and patience. With its durable construction and user-friendly interface, this tumbler is suitable for beginners and experienced enthusiasts alike.

SAFETY INFORMATION

Warning: Not For Children Under 8 Years.

- Always supervise children during operation.
- Keep the tumbler on a stable, level surface away from edges.
- Ensure the power cord is not a tripping hazard and is kept away from water.
- Do not attempt to open the barrel or touch moving parts while the machine is operating.
- Dispose of used grit and sludge responsibly, following local environmental guidelines.

WHAT'S INCLUDED

Your Dan&Darci Advanced Professional Rock Tumbler Kit comes with everything you need to start your gem polishing journey:

- Rock Tumbler Machine
- Low-Noise Barrel (1 lb. capacity)

- 4 Grit Packets (Coarse, Medium, Pre-Polish, Polish)
- 1/2 lb. Assorted Rough Rocks
- Mesh Strainer
- Jewelry Fasteners (earring hooks, ring settings, necklace cord)
- Gem Storage Bag
- Illustrated Instruction and Learning Guide Booklet
- Spare Motor Belt



Figure 1: All components included in the Dan&Darci Advanced Professional Rock Tumbler Kit.

SETUP INSTRUCTIONS

1. **Unpack Components:** Carefully remove all items from the packaging. Check the contents against the 'What's Included' list to ensure all parts are present.
2. **Choose a Location:** Select a stable, flat, and dry surface for the tumbler. It is recommended to place the tumbler in an area where its operation noise will not be disruptive, such as a garage or basement, as tumbling can be a continuous process.

3. **Connect Power:** Plug the power adapter into the tumbler's power input port, then plug the adapter into a standard electrical outlet.
4. **Familiarize with Controls:** Before adding rocks, take a moment to understand the control panel.



Figure 2: The Dan&Darci Advanced Professional Rock Tumbler ready for operation.

OPERATING INSTRUCTIONS

The rock tumbling process typically involves four stages, each using a different grit size to progressively smooth and polish the rocks.

Control Panel Overview



Figure 3: Detailed view of the tumbler's digital control panel.

- **ON/OFF RESET:** Turns the tumbler on or off. Pressing this button also resets all settings.
- **DAYS (+/-):** Adjusts the number of days the tumbler will run (Timer Display).
- **PAUSE/RESUME:** Pauses or resumes the tumbling process without losing current timer or speed settings.
- **SPEED (+/-):** Adjusts the tumbling speed (Speed Display).

Loading the Barrel

Tumbler Barrel

1 lb
capacity

Heavy-duty rubber

Low noise operation

Leak-resistant closure

Re-inforced cover

Figure 4: The tumbler barrel, designed for durability and quiet operation.

1. **Add Rocks:** Fill the barrel with rough rocks. For optimal tumbling, the barrel should be filled to about 2/3 to 3/4 full. A mix of different sized rocks is ideal.
2. **Add Grit:** Refer to the instruction booklet for the precise amount of grit for each stage. Add the specified grit packet for the current stage.
3. **Add Water:** Add water until it just covers the top layer of rocks and grit. Do not overfill.
4. **Seal Barrel:** Securely close the barrel lid, ensuring a leak-resistant seal.
5. **Place on Tumbler:** Place the loaded barrel onto the tumbler machine's rollers.

Setting Timer and Speed

1. **Power On:** Press the ON/OFF RESET button to turn on the tumbler.
2. **Set Days:** Use the DAYS +/- buttons to set the desired tumbling duration. The recommended duration for each stage is typically 7-9 days, but refer to your instruction booklet for specific guidance.
3. **Set Speed:** Use the SPEED +/- buttons to select the desired tumbling speed. The instruction booklet will

provide recommendations for each stage.

4. **Start Tumbling:** The tumbler will begin operating automatically once settings are applied.

After each stage, carefully empty the barrel, rinse the rocks and barrel thoroughly, and clean any grit residue. Then, proceed to the next stage with the appropriate grit.

MAINTENANCE

- **Barrel Cleaning:** After each tumbling stage, thoroughly clean the inside and outside of the barrel, as well as the lid, to remove all grit residue. Running the barrel with warm water and a drop of dish soap for an hour can help remove fine grit particles.
- **Rock Cleaning:** Rinse rocks thoroughly between stages to prevent cross-contamination of grit sizes. Use the provided mesh strainer for this purpose.
- **Motor Belt Inspection:** Periodically check the motor belt for wear and tear. If the belt appears stretched or cracked, replace it with the spare motor belt provided in your kit.
- **General Cleaning:** Keep the tumbler machine clean and free of dust and debris. Wipe down the exterior with a damp cloth as needed.
- **Storage:** When not in use, store the tumbler and its components in a clean, dry place.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Tumbler is not turning on.	Power cord not properly connected; power outlet issue.	Ensure power cord is securely plugged into the tumbler and a working outlet. Try a different outlet.
Barrel is not rotating.	Motor belt is loose or broken; barrel overloaded; rollers are dirty.	Check and replace the motor belt if necessary. Reduce the amount of rocks in the barrel. Clean the rollers.
Rocks are not polishing well.	Insufficient grit; incorrect water level; tumbling time too short; rocks too large/angular.	Ensure correct grit amounts are used for each stage. Adjust water level. Extend tumbling time. Use smaller, rounder rocks for best results. Consider adding ceramic media for cushioning.
Tumbler is too loud.	Normal operation noise; uneven surface; barrel not balanced.	Rock tumblers produce noise during operation. Ensure the tumbler is on a flat, stable surface. Check if the barrel is properly seated and balanced. Consider placing it in a less frequented area.

SPECIFICATIONS

- **Product Dimensions:** 12.99 x 9.06 x 5.51 inches
- **Item Weight:** 5.99 pounds
- **Model Number:** DD009
- **Manufacturer Recommended Age:** 8 years and up
- **Barrel Capacity:** 1 lb.

- **Features:** Digital 9-Day Polishing Timer, 3 Speed Settings, Low-Noise Barrel, Leak-Resistant Closure

WARRANTY AND SUPPORT

The Dan&Darci Advanced Professional Rock Tumbler Kit is backed by a manufacturer's warranty. For specific warranty details, duration, and terms, please refer to the documentation included with your product or contact Dan&Darci customer support directly.

If you encounter any issues or have questions regarding the operation, maintenance, or troubleshooting of your rock tumbler, please reach out to the seller or manufacturer's customer service. They are dedicated to providing assistance and ensuring your satisfaction.

For the most up-to-date support information, please visit the official Dan&Darci website or the product page on the retailer's website where you purchased the item.