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> DENTGIST Woodpecker Dental Ultrasonic Piezo Scaler UDS-J User Manual

DENTGIST UDS-J

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Advanced Ultrasonic Cleaning Technology for Professional Teeth Cleaning

INTRODUCTION

This user manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of the DENTGIST Woodpecker Dental Ultrasonic Piezo Scaler UDS-J. Please read this manual thoroughly before operating the device to ensure proper usage and to maximize its lifespan.

The UDS-J scaler is designed for professional dental use, utilizing advanced ultrasonic technology for efficient removal of dental calculus, bacterial plaque, and tea stains.

PRODUCT OVERVIEW



The DENTGIST Woodpecker UDS-J Ultrasonic Scaler is a professional dental instrument designed for efficient and gentle removal of dental deposits. It features a compact main unit with a power control dial and a detachable handpiece. The main unit is white and green, with a minimalist design. This image shows the complete scaler unit from a front-facing perspective, highlighting its compact size and the attached handpiece.

The UDS-J model incorporates a sealed handpiece to prevent cross-contamination and enhance hygiene. It offers dual

modes for versatile treatments and utilizes ultrasonic vibrations to effectively break down tough plaque and calculus. An adjustable water flow feature cools the area and flushes debris, improving visibility during procedures.

Key Features:

- **Titanium Alloy Handpiece:** Ensures exceptional mechanical function and long-lasting durability, resistant to corrosion and wear.
- **Silica Gel Tube Cable:** Soft, durable, and flexible for easy maneuverability.
- **Cavitation Technology:** Utilizes microbubbles for effective tooth cleaning and germ elimination.
- **Efficient Deposit Removal:** Effectively eliminates dental calculus, bacterial plaque, and tea stains.
- **New Water Control Switch:** Allows precise and easy adjustment of water flow for optimal cooling and cleaning.
- **Automatic Frequency Tracking:** Ensures stable and efficient operation.
- **Digitally Controlled:** For easy operation and efficient scaling.

COMPONENTS AND ACCESSORIES



This image displays the DENTGIST Woodpecker UDS-J Ultrasonic Scaler main unit alongside a set of five scaling tips. The tips are varied, including G1, G2, and P1 types, indicating their different applications for supragingival and subgingival cleaning. This visual confirms the inclusion of multiple tips for diverse dental procedures.

Standard Package Contents:

- Main Unit (UDS-J)
- Detachable Handpiece
- Power Adapter
- Foot Switch
- Water Bottle/Reservoir
- Scaling Tips (G1, G2, P1) - 5 pieces
- Torque Wrench for tips
- User Manual (this document)

Scaling Tip Specifications:



This image provides a detailed view of the different scaling tips available for the Woodpecker UDS-J scaler. It clearly labels G1, G2, and P1 tips, along with their primary functions: G1 for supragingival deposits, G2 for heavy supragingival deposits, and P1 for subgingival deposits. This visual aid helps users identify and select the appropriate tip for specific dental procedures.

- **G1:** Removal of supragingival deposits in all quadrants.
- **G2:** Removal of heavy supragingival deposits.
- **P1:** Removal of subgingival deposits.

SETUP AND INSTALLATION

1. **Unpacking:** Carefully remove all components from the packaging. Inspect for any signs of damage during transit.
2. **Placement:** Place the main unit on a stable, flat surface, away from direct sunlight and heat sources. Ensure adequate ventilation.
3. **Power Connection:** Connect the power adapter to the main unit and then plug it into a compatible power outlet (100-240V, 50Hz/60Hz).
4. **Foot Switch Connection:** Connect the foot switch cable to the designated port on the main unit.
5. **Handpiece Connection:** Securely connect the handpiece cable to the main unit. Ensure the connection is firm to prevent water leakage or power issues.
6. **Water Supply Connection:**
 - If using an external water source, connect the water inlet tube to the unit and the water supply.
 - If using an internal water bottle, fill the bottle with distilled or purified water and attach it to the designated port.
7. **Tip Installation:** Select the appropriate scaling tip. Using the provided torque wrench, carefully screw the tip onto the handpiece until it is securely fastened. Do not overtighten.

OPERATING INSTRUCTIONS

1. **Power On:** Turn on the main unit using the power switch. The indicator light should illuminate.
2. **Water Flow Adjustment:** Adjust the water flow using the water control switch or dial on the unit. Ensure a steady stream of water for cooling and flushing.
3. **Power Level Adjustment:** Rotate the power control dial (MIN 1 to MAX 9) to select the desired ultrasonic power level. Start with a lower setting and gradually increase as needed for effective scaling.
4. **Operation:**

- Depress the foot switch to activate the ultrasonic vibrations and water flow.
- Apply the tip gently to the tooth surface, moving it in a light, sweeping motion. Avoid excessive pressure.
- Maintain constant water irrigation to prevent overheating of the tooth and tip.

5. **Power Off:** Release the foot switch to stop operation. Turn off the main unit after use.



This image highlights the user interface of the DENTGIST Woodpecker UDS-J Ultrasonic Scaler, specifically showing the power control dial ranging from MIN 1 to MAX 9, and the water control switch. This visual demonstrates the ease of adjusting operational settings for precise control during dental procedures, emphasizing the digitally controlled and user-friendly interface.

MAINTENANCE AND CARE

Daily Maintenance:

- **Handpiece Cleaning:** After each use, clean the handpiece thoroughly. The sealed handpiece design aids in preventing cross-contamination. Follow standard sterilization protocols for dental instruments.
- **Tip Cleaning:** Remove the scaling tip and clean it with a brush under running water. Sterilize tips according to clinical guidelines.
- **Unit Surface Cleaning:** Wipe the surface of the main unit with a soft, damp cloth. Do not use abrasive cleaners or immerse the unit in water.
- **Water System Flush:** Flush the water system with distilled water at the end of each day to prevent mineral buildup.

Periodic Maintenance:

- **Water Filter Check:** Periodically check and clean or replace the water filter (if applicable) to ensure optimal water flow.
- **Cable Inspection:** Inspect all cables (power, handpiece, foot switch) for any signs of wear or damage. Replace if necessary.
- **Tip Replacement:** Replace scaling tips when they show signs of wear or become dull, as this can affect performance and patient comfort.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power cable loose; Power outlet faulty; Unit power switch off	Check power connections; Try a different outlet; Ensure power switch is ON

Problem	Possible Cause	Solution
No water flow	Water tank empty; Water tube kinked/blocked; Water control switch closed; Filter clogged	Refill water tank; Straighten/clear tube; Open water control; Clean/replace filter
Weak or no vibration	Tip loose or damaged; Power setting too low; Handpiece faulty	Tighten/replace tip; Increase power setting; Contact service for handpiece repair/replacement
Excessive heat at tip	Insufficient water flow; Tip worn out; Excessive pressure applied	Increase water flow; Replace tip; Use lighter pressure

If the problem persists after attempting these solutions, please contact DENTGIST customer support or a qualified service technician.

SPECIFICATIONS



This image presents a clear infographic detailing the key specifications of the DENTGIST Woodpecker UDS-J Ultrasonic Scaler. It lists important parameters such as input power, output power, ultrasonic frequency, dimensions, handpiece cable length, and water pressure. This visual summary provides essential technical data for users and technicians.

Parameter	Value
Brand	DENTGIST
Model Number	UDS-J
Manufacturer	Woodpecker
Input Power	100-240V, 50Hz/60Hz
Output Power	3W to 20W
Ultrasonic Frequency	28kHz \pm 3kHz
Water Pressure	0.01MPa to 0.5MPa
Dimensions (L x W x H)	200mm x 130mm x 75mm
Handpiece Cable Length	2.5m
Item Weight	2.36 kg

WARRANTY AND SUPPORT

Warranty Information:

The DENTGIST Woodpecker Dental Ultrasonic Piezo Scaler UDS-J comes with a standard manufacturer's warranty. Please refer to the warranty card included with your product for specific terms and conditions, including warranty period and coverage details. An optional 1-year extended warranty may be available for purchase.

Customer Support:

For technical assistance, service, or inquiries regarding your DENTGIST product, please contact DENTGIST customer support. You can find contact information on the official DENTGIST website or through your authorized dealer.

Visit the official DENTGIST Store on Amazon for more information:[DENTGIST Store](#)



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Model: UDS-J