

## ENGERWALL S Series (NAIL DRILL)

# ENGERWALL Professional Rechargeable Electric Nail Drill User Manual

Brand: [ENGERWALL](#) | Model: [S Series \(NAIL DRILL\)](#)

## 1. INTRODUCTION

Thank you for choosing the ENGERWALL Professional Rechargeable Electric Nail Drill. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your device. Please read it thoroughly before first use and retain it for future reference.

### Important Safety Information

- Always disconnect the power supply before cleaning or performing maintenance.
- Do not use acid-based liquids or corrosive cleaners on the machine, as this will invalidate the warranty and may damage the device.
- Keep the device away from water and high humidity.
- Do not disassemble or attempt to repair the device yourself. Contact customer support for assistance.
- Ensure proper ventilation during use to prevent overheating.
- Keep out of reach of children.

## 2. PACKAGE CONTENTS

Your ENGERWALL Electric Nail Drill package should include the following items:

- 1 x ENGERWALL Electric Nail Drill Main Unit
- 1 x Nail Drill Handpiece
- 11 x Commonly Used Polishing Heads (various shapes and grits)

- 2 x Ceramic Polishing Heads (durable, strong heat dissipation)
- 56 x High-Quality Sanding Bands
- 1 x Charging Cable (USB)
- 1 x Handpiece Connection Cable



Figure 2.1: Complete Package Contents

### 3. PRODUCT OVERVIEW

The ENGERWALL Electric Nail Drill consists of a compact main unit and a lightweight handpiece, designed for both professional and personal use. The main unit features an LCD screen displaying RPM and battery level, along with intuitive controls for speed and rotation direction. The handpiece is engineered for low noise, low heat, and low vibration operation.



Figure 3.1: Main Unit and Handpiece

# 0-35000RPM ADJUSTABLE



Low Loss



Low Heat



Low Noise



Low Vibration



Heat Dissipation Design

Figure 3.2: Handpiece Internal Design (Low Noise, Low Heat, Low Vibration)

## 4. SETUP

### 4.1 Initial Charging

Before first use, fully charge the main unit. Connect the USB charging cable to the main unit's input port and a suitable USB power adapter (not included). The battery indicator on the LCD screen will show charging progress. A full charge typically takes about 3 hours and provides over 15 hours of continuous operation at 35000 RPM, or over 20 hours in standard mode.



Figure 4.1: Charging the Main Unit

## 4.2 Connecting the Handpiece

Connect the handpiece cable to the designated output port on the main unit. Ensure the connection is secure.

## 4.3 Inserting/Changing Drill Bits

1. Ensure the handpiece is turned off and the rotation is stopped.
2. Twist the handpiece chuck counter-clockwise to unlock the collet.
3. Insert the desired drill bit firmly into the collet.
4. Twist the handpiece chuck clockwise to securely lock the bit in place. Ensure the bit is properly clamped to prevent loosening during operation.

# 5. OPERATING INSTRUCTIONS

## 5.1 Power On/Off

Press the power button on the main unit to turn the device on or off. The LCD screen will illuminate



upon activation.

## 5.2 Adjusting Speed (RPM)

The device offers an adjustable speed range from 0 to 35000 RPM. To adjust the speed, rotate the control wheel on the main unit. Rotate clockwise to increase speed and counter-clockwise to decrease speed. The current RPM will be displayed on the LCD screen.

## 5.3 Changing Rotation Direction (F/R)

To change the rotation direction of the handpiece, press the control wheel. The LCD screen will display 'F' for Forward (clockwise) rotation or 'R' for Reverse (counter-clockwise) rotation. It is recommended to stop the handpiece rotation before changing direction.

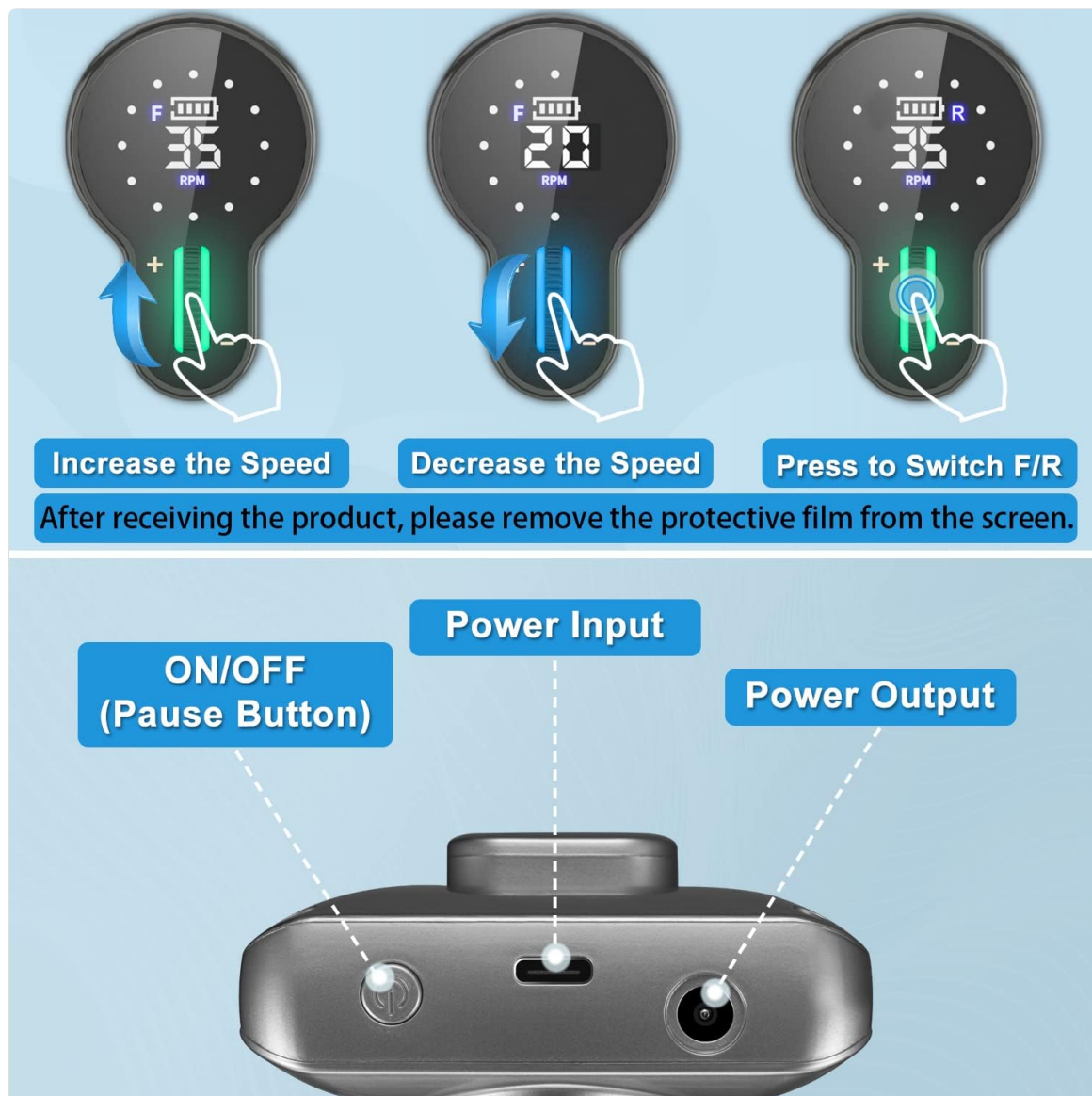


Figure 5.1: Main Unit Controls and Ports

## 5.4 Usage Scenarios

The portable and elegant design of the ENGERWALL nail drill makes it suitable for various environments, including home use, travel, and professional salon settings.



Figure 5.2: Versatile Usage

## 6. MAINTENANCE

### 6.1 Cleaning

Regular cleaning ensures optimal performance and longevity of your nail drill. Use a soft, dry cloth to wipe down the main unit and handpiece. For stubborn dirt, a slightly damp cloth with mild soap can be used, but ensure no liquid enters the device. **WARNING: Do not use acid liquid or harsh chemicals to clean the machine.**

### 6.2 Bit Care

Clean drill bits after each use to remove dust and debris. Store bits in a clean, dry container to prevent damage and maintain their sharpness.

### 6.3 Storage

When not in use, store the nail drill in a cool, dry place, away from direct sunlight and extreme temperatures. Disconnect the handpiece and charging cable for long-term storage.

## 7. TROUBLESHOOTING

If you encounter any issues with your ENGERWALL Electric Nail Drill, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
---------	----------------	----------

Problem	Possible Cause	Solution
Device does not turn on.	Low battery; Power button not pressed firmly.	Charge the device fully; Press the power button firmly.
Handpiece not rotating.	Handpiece not connected properly; Speed set to 0 RPM.	Ensure handpiece cable is securely connected; Increase RPM using the control wheel.
Excessive vibration or noise.	Drill bit not inserted correctly or damaged; Handpiece issue.	Re-insert or replace the drill bit; If problem persists, contact customer support.
Battery drains quickly.	Operating at maximum RPM continuously; Battery degradation over time.	Reduce RPM when not needed; Battery life naturally decreases over years of use.

If the problem persists after trying these solutions, please contact ENGERWALL customer support for further assistance.

## 8. SPECIFICATIONS

Brand	ENERWALL
Model Name	S Series
Manufacturer Reference	NAIL DRILL
Material	Aluminum
Dimensions (Product)	7.5 x 3 x 14.7 cm; 630 g
Power Source	Battery Powered
Voltage	5 Volts
Battery Type	1 Lithium Polymer battery (included)
Speed Range	0-35000 RPM

## 9. WARRANTY AND SUPPORT

### 9.1 Warranty Information

Every ENGERWALL product comes with a **12-month warranty** from the date of purchase. This warranty covers manufacturing defects and issues arising from normal use. It does not cover damage caused by misuse, accidents, unauthorized repairs, or failure to follow instructions in this manual.



## 9.2 Customer Support

For any questions regarding your product, technical support, or warranty claims, please do not hesitate to contact ENGERWALL customer service. We are committed to providing excellent support and a perfect solution for your needs.

Please refer to your purchase documentation or the ENGERWALL official website for specific contact details.