

[Manuals.plus](#) /

› [Sundpey](#) /

› Sundpey 21V Cordless Drill Driver User Manual

Sundpey MR5806

Sundpey 21V Cordless Drill Driver User Manual

Model: MR5806

INTRODUCTION

Thank you for choosing the Sundpey 21V Cordless Drill Driver. This manual provides essential information for the safe operation, maintenance, and troubleshooting of your new tool. Please read this manual thoroughly before first use to ensure proper handling and to maximize the lifespan of your product. Keep this manual for future reference.

GENERAL SAFETY INSTRUCTIONS

Always follow basic safety precautions when using electric tools to reduce the risk of fire, electric shock, and personal injury.

Work Area Safety

- Keep the work area clean and well-lit. Cluttered or dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

Electrical Safety

- Power tool plugs must match the outlet. Never modify the plug in any way.
- Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

Personal Safety

- Stay alert, watch what you are doing, and use common sense when operating a power tool.
- Use personal protective equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- Prevent unintentional starting. Ensure the switch is in the off-position before connecting to battery pack, picking up or carrying the tool.

PRODUCT OVERVIEW

The Sundpey 21V Cordless Drill Driver is designed for various drilling and driving tasks in wood, plastic, and metal. It features a compact design, powerful motor, and user-friendly controls.



Figure 1: Sundpey 21V Cordless Drill Driver kit, including the drill, two 2.0Ah batteries, charger, and various drill bits and screwdriver bits, all neatly organized in a carrying case.

Components



Figure 2: Detailed view of the drill driver with key components labeled, including the 3/8" chuck, 18+1 torque adjustment ring, 2-speed control switch, infinitely adjustable speed switch, forward/reverse button, LED light, strap clip, and 2.0Ah Lithium Battery.

- **Chuck:** 10mm (3/8") keyless chuck for quick bit changes.
- **Torque Adjustment Ring:** 18+1 settings for precise torque control, preventing over-driving screws.
- **2-Speed Control:** Switch between low speed (0-450 RPM) for driving and high speed (0-1550 RPM) for drilling.
- **Infinitely Adjustable Speed Switch:** Trigger-controlled variable speed for optimal control.
- **Forward/Reverse Button:** Changes rotation direction and acts as a safety lock when in the middle position.
- **LED Light:** Illuminates the work area for improved visibility in dark spaces.
- **Strap Clip:** Convenient for carrying the tool on a belt.
- **2.0Ah Lithium Battery:** Provides cordless power with a real-time power indicator.

SETUP

Charging the Battery

The drill driver comes with two 2.0Ah Lithium-ion batteries. It is recommended to fully charge the batteries before first use.



Figure 3: Illustration of the 2000mAh Lithium Battery features, including the 21V Rapid Charger, over-heating protection, and a power indicator for real-time battery status monitoring.

1. Connect the charger to a standard power outlet.
2. Slide the battery pack onto the charger until it clicks into place.
3. The charging indicator lights on the battery will show the charging status. A full charge is indicated when all lights are solid.
4. Once fully charged, disconnect the battery from the charger.

Installing/Removing the Battery

- **To Install:** Align the battery pack with the base of the drill handle and slide it in until it locks securely.
- **To Remove:** Press the battery release buttons on the sides of the battery pack and slide the battery out.

Installing/Removing Drill Bits and Accessories

- **To Install:** Rotate the chuck counter-clockwise to open the jaws. Insert the desired drill bit or screwdriver bit into the chuck. Rotate the chuck clockwise to tighten the jaws firmly around the bit.

- **To Remove:** Rotate the chuck counter-clockwise to loosen the jaws and pull the bit out.

OPERATING INSTRUCTIONS

Powering On/Off and Speed Control

- The drill is activated by pressing the infinitely adjustable speed switch (trigger). The speed increases as you press the trigger further.
- Release the trigger to turn the drill off.

Adjusting Torque Settings

The torque adjustment ring allows you to select from 18 torque settings plus a drill mode. This controls the amount of rotational force applied, preventing damage to screws or workpieces.



Figure 4: Close-up of the 18+1 torque adjustment ring, demonstrating its use for precise control when driving screws into various materials like wood, plastics, and aluminum.

- Rotate the torque adjustment ring to the desired setting. Lower numbers are for smaller screws or softer materials; higher

numbers are for larger screws or harder materials.

- Select the drill icon for drilling applications, which provides maximum torque.

Changing Speed (High/Low)

The 2-speed control switch is located on top of the drill.



Figure 5: Illustration of the 2-speed switch. Position '1' (0-450rpm) is ideal for driving screws, while position '2' (0-1550rpm) is suitable for drilling applications.

- **Position 1 (Low Speed, 0-450 RPM):** Ideal for driving screws, larger diameter drilling, or applications requiring higher torque.
- **Position 2 (High Speed, 0-1550 RPM):** Suitable for smaller diameter drilling and applications requiring faster speed.
- Ensure the drill is stopped before changing speed settings to prevent gear damage.

Forward/Reverse Rotation and Safety Lock

- Push the forward/reverse button to the left for forward (clockwise) rotation.
- Push the button to the right for reverse (counter-clockwise) rotation.

- When the button is in the center position, the trigger is locked, preventing accidental starting. Always engage the safety lock when not in use or when changing bits.

Using the LED Light



Figure 6: The built-in LED light automatically illuminates the work area when the trigger is pressed, providing improved visibility in dimly lit environments.

The built-in LED light automatically activates when the trigger is pressed, illuminating the work surface for better visibility in dark or confined spaces.

MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your drill driver.

Cleaning

- Keep the ventilation openings of the tool clean to prevent overheating.

- Use a soft, damp cloth to clean the exterior of the tool. Do not use harsh chemicals or abrasive cleaners.
- Periodically clean the chuck jaws to ensure proper gripping of bits.

Battery Care

- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- Do not store batteries in a discharged state for extended periods. Charge them periodically if not in use.
- Avoid dropping or subjecting batteries to strong impacts.

Storage

- When not in use, store the drill driver and its accessories in the provided carrying case.
- Store in a dry place, out of reach of children.

TROUBLESHOOTING

Refer to the table below for common issues and their solutions.

Problem	Possible Cause	Solution
Drill does not start.	Battery is not charged or not properly inserted. Forward/Reverse switch is in the center (locked) position.	Charge the battery and ensure it is securely inserted. Move the Forward/Reverse switch to the left or right.
Loss of power during operation.	Battery is low. Overload protection activated.	Recharge or replace the battery. Reduce pressure on the tool; allow it to cool down.
Bit slips in chuck.	Chuck not tightened sufficiently. Bit shank is dirty or damaged.	Retighten the chuck firmly. Clean or replace the bit.
Unusual noise or vibration.	Internal damage or loose components.	Discontinue use and contact customer support.

SPECIFICATIONS

Feature	Detail
Model Number	MR5806
Voltage	21V
Battery Capacity	2.0Ah Lithium-ion (x2)
Max Torque	45 N.m
Torque Settings	18 + 1 (Drill Mode)
No-Load Speed (Low)	0-450 RPM
No-Load Speed (High)	0-1550 RPM

Feature	Detail
Chuck Size	10mm (3/8")
Product Dimensions	23.01 x 8.99 x 19.99 cm
Weight	2.8 kg
Material	Metal

WARRANTY AND SUPPORT

Your Sundpey Cordless Drill Driver is covered by a **12-month warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For technical assistance, warranty claims, or any questions regarding your product, please contact our professional customer service team. We aim to provide satisfactory service and are available **24 hours** to assist you.

Please refer to your purchase documentation for specific contact details or visit the official Sundpey website for support information.

© 2024 Sundpey. All rights reserved.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question