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BLACK+DECKER KR112

BLACK+DECKER Smart Drill Driver KR112

Instruction Manual

1. INTRODUCTION

Thank you for purchasing the BLACK+DECKER Smart Drill Driver KR112. This corded drill driver is designed for various drilling and screwdriving tasks in home improvement and DIY projects. Its compact design, variable speed control, and precise clutch settings make it a versatile tool for both beginners and experienced users. Please read this manual carefully before operating the tool to ensure safe and efficient use. Keep this manual for future reference.



Image 1: The BLACK+DECKER Smart Drill Driver KR112. This image shows the overall design of the orange and black corded drill driver.

2. SAFETY INFORMATION

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

- **Work Area Safety:** Keep your 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.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Do not abuse the cord. Keep cord away from heat, oil, sharp edges, or moving parts.
- **Personal Safety:** Always wear eye protection. Use safety glasses, goggles, or a face shield. Wear hearing protection when operating noisy tools. Dress properly; avoid loose clothing or jewelry. Keep hair, clothing, and gloves away from moving parts.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.
- **Maintenance:** Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.

3. PACKAGE CONTENTS

The BLACK+DECKER Smart Drill Driver KR112 package includes the following items:

- BLACK+DECKER Smart Drill Driver KR112 Unit
- Double-ended bit (No.2 Phillips / -8 Slotted)
- Double-ended bit (No.2 Phillips / -10 Slotted)
- Bit Holder

付属品



#2プラス/#8マイナス両頭ビット
#2プラス/#10マイナス両頭ビット
ビットホルダー

Image 2: Included Accessories. This image displays the two double-ended bits and the bit holder that come with the drill driver.

4. PRODUCT FEATURES

The KR112 Smart Drill Driver offers several key features for enhanced performance and ease of use:

- **Compact Design:** The tool features a compact and lightweight design (0.94kg) for comfortable handling and easy access in narrow or confined spaces.
- **Variable Speed Switch:** Equipped with a stepless variable speed switch, allowing for precise control over the drilling or driving speed with a single finger.
- **24-Stage Clutch Setting:** Provides 24 distinct clutch settings, enabling fine torque adjustment to prevent overtightening screws or damaging work surfaces.
- **Corded Power:** Ensures consistent power delivery without the need for battery charging, making it ready for use whenever needed.

BLACK+DECKER

KR112

スマートドリルドライバー

- ✔ 無断変速スイッチで、
スピードコントロールが簡単
- ✔ 24段階の細かいクラッチ設定が可能

クラッチ
24段

最大
締付トルク
6.9N·m

コード長
2m

軽量
0.94kg

Image 3: Key Features. This image highlights the 24-stage clutch setting, compact design, and variable speed switch on the drill driver.

5. SETUP

5.1. Attaching/Removing Drill Bits or Screwdriver Bits

1. Ensure the tool is unplugged from the power source before making any adjustments.
2. Rotate the chuck collar counter-clockwise to open the chuck jaws.
3. Insert the desired drill bit or screwdriver bit into the chuck. Ensure the bit is inserted as far as possible for maximum grip and stability.
4. Rotate the chuck collar clockwise to tighten the chuck jaws securely around the bit. Hand-tighten firmly.
5. To remove a bit, rotate the chuck collar counter-clockwise until the jaws open sufficiently to release the bit.

5.2. Selecting Clutch Setting

The clutch ring allows you to select the appropriate torque setting for your task. Rotate the clutch ring to align the desired number with the indicator mark on the drill body. Lower numbers are for driving small screws or working with soft materials, while higher numbers are for driving larger screws or drilling into harder materials. The drill symbol setting is for drilling applications, providing maximum torque.

6. OPERATING INSTRUCTIONS

6.1. Powering On/Off and Speed Control

1. Plug the tool into a suitable power outlet.
2. To start the tool, press the variable speed trigger switch. The speed of the tool increases as you press the trigger further.
3. To stop the tool, release the trigger switch.

6.2. Forward/Reverse Rotation

A forward/reverse switch is located above the trigger. Push the switch to the left for forward rotation (for drilling and driving screws) and to the right for reverse rotation (for removing screws or freeing jammed bits).

6.3. Drilling and Screwdriving Tips

- Always hold the tool firmly with both hands, especially when drilling.
- Apply steady, even pressure. Do not force the tool.
- For drilling, start with a slow speed to create a pilot hole, then increase speed as needed.
- For screwdriving, select a clutch setting that matches the screw size and material to prevent overtightening.



Image 4: Drilling Operation. This image shows a user operating the drill driver to create a hole in a wooden surface.



Easy By Design.™

”家”とは生活が生まれる場所。あなたの大切な家族が集まる場所。
そしてここを解放する場所でもあり、本当のあなたを表現する場所。
BLACK+DECKERは、その一つ一つの大切な瞬間と共に過ごします。
プランを立てて、予期せぬ失敗を避けながら家での素敵な時間を生み出します。

あなたの理想を、今こそ現実に…

落ち着きを与えるシンプルなデザインから、こころを揺さぶる
個性あふれるデザインまで、想像してみてください。

私たちが実現します。

Image 5: Compact Use. This image demonstrates the drill driver being used in a narrow or confined space, highlighting its compact design.

7. MAINTENANCE

7.1. Cleaning

- Always unplug the tool before cleaning.
- Use a soft, damp cloth to clean the exterior of the tool. Do not use harsh chemicals or abrasive cleaners.
- Keep the ventilation openings clear of dust and debris to prevent overheating. Use compressed air if necessary.

7.2. Storage

- Store the tool in a clean, dry place, out of reach of children.
- Avoid storing the tool in direct sunlight or in areas with extreme temperatures.
- Ensure the power cord is neatly coiled and not kinked or damaged.

8. TROUBLESHOOTING

If you encounter issues with your drill driver, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Tool does not start	No power supply; Damaged cord/plug; Faulty switch	Check power outlet; Inspect cord/plug for damage; Contact service center if switch is faulty.
Bit slips or wobbles	Chuck not tightened properly; Bit shank damaged; Incorrect bit size	Retighten chuck firmly; Replace damaged bit; Use correct bit size for chuck.
Overheating	Blocked ventilation; Overloading the tool	Clear ventilation openings; Reduce load, allow tool to cool.
Insufficient torque	Clutch setting too low; Worn motor brushes (unlikely for new tool)	Increase clutch setting; If problem persists, contact service.

If you experience any issues not listed here or if the problem persists after attempting the suggested solutions, please contact BLACK+DECKER customer support.

9. SPECIFICATIONS

Detailed technical specifications for the BLACK+DECKER Smart Drill Driver KR112:

Specification	Value
Brand	BLACK+DECKER
Model Number	KR112
Product Dimensions (L x W x H)	19.5 x 5.8 x 18.2 cm
Product Weight	0.94 kg
Color	Orange
Power Source	Corded Electric
Voltage	100 Volts
Wattage	90 W
Maximum Torque	6.9 Nm
Maximum Rotational Speed	650 RPM
Chuck Capacity	1.0 - 10 mm
Chuck Type	Keyless
Cord Length	2.0 m
Included Accessories	Double-ended bits (No.2/-8, No.2/-10), Bit holder



Image 6: Product Dimensions. This image illustrates the approximate size of the drill driver in relation to a human hand, indicating a height of 10 inches (25 cm).

10. WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included with your product or visit the official BLACK+DECKER website. For technical support, spare parts, or service, please contact your local BLACK+DECKER service center or authorized dealer. Always provide the model number (KR112) when seeking assistance.

You can find more information and contact details on the official BLACK+DECKER website:

www.blackanddecker.com