

BLACK+DECKER KTD10RE

BLACK+DECKER KTD10RE 10mm Rotary Drill User Manual

INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and care of your BLACK+DECKER KTD10RE 10mm Rotary Drill. Please read these instructions carefully before using the tool and keep them for future reference.

GENERAL SAFETY INSTRUCTIONS

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Keep your work area clean and well-lit. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Always wear appropriate personal protective equipment, including eye protection, hearing protection, and gloves.

- **Work Area Safety:** Keep children and bystanders away while operating a power tool.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Avoid body contact with earthed or grounded surfaces.
- **Personal Safety:** Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol, or medication.
- **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.

PRODUCT FEATURES

The BLACK+DECKER KTD10RE 10mm Rotary Drill is designed for various drilling tasks. Key features include:

- **Durable Aluminium Body:** Provides strength and longevity for demanding tasks.
- **Helical Gear System:** Ensures smooth operation and extended tool life.

- **Variable Speed Control:** Allows for precise speed adjustment (0-3,000 RPM) to match different materials and applications.
- **Reversible Functionality:** Enables both forward and reverse rotation, useful for driving screws and removing jammed drill bits.
- **Ergonomic Design:** Engineered for comfortable handling and reduced user fatigue during prolonged use.
- **RBS System (Reverse Brush System):** This system helps achieve high torque and reduces sparking when operating in reverse, enhancing motor efficiency and lifespan.

KTD10RE 500W

10 MM IMPACT DRILL

-  Aluminium Body = Kuat
-  Helical Gear = Halus dan tahan lama
-  Variable Speed
-  Reversible
-  Desain Ergonomic = nyaman digunakan

SISTEM RBS



Sistem RBS :

- Mencapai torsi tinggi
- Mengurangi percikan api pada saat arah terbalik

SPESIFIKASI

POWER	500 WATT
CHUCK	10 MM KEYED
NO LOAD SPEED	0-3,000 RPM
SWITCH	2-FINGER VSR
REVERSE	YES (RBS SYSTEM)
MAX.DRILLING CAPACITY	
STEEL	10 MM
WOOD	25 MM
CONCRETE	10 MM
CORD LENGTH	3 M




Image: The BLACK+DECKER KTD10RE 10mm Rotary Drill, showcasing its ergonomic design and key components.

TECHNICAL SPECIFICATIONS

Specification	Value
Model Number	KTD10RE
Brand	BLACK+DECKER
Power Input	500 Watts
Chuck Type	10 mm Keyed
No Load Speed	0-3,000 RPM
Switch Type	2-Finger VSR (Variable Speed Reversible)
Reverse Function	Yes (RBS System)
Max. Drilling Capacity (Steel)	10 mm
Max. Drilling Capacity (Wood)	25 mm
Max. Drilling Capacity (Concrete)	10 mm
Cord Length	3 meters
Material	Metal

Specification	Value
Color	Grey

SETUP AND ASSEMBLY

- 1. Unpacking:** Carefully remove the drill and all accessories from the packaging. Inspect for any damage.
- 2. Attaching the Auxiliary Handle:** If provided, attach the auxiliary handle to the drill for better control and stability during operation. Ensure it is securely tightened.
- 3. Inserting a Drill Bit:**
 - Ensure the drill is unplugged from the power source.
 - Open the chuck jaws by rotating the chuck key counter-clockwise.
 - Insert the drill bit into the chuck, ensuring it is centered and fully seated.
 - Tighten the chuck jaws by rotating the chuck key clockwise until the bit is firmly secured. Remove the chuck key before operating the drill.

OPERATING INSTRUCTIONS

- 1. Power Connection:** Plug the drill into a suitable power outlet. Ensure the voltage matches the drill's requirements.
- 2. Selecting Rotation Direction:** Use the forward/reverse switch (typically located near the trigger) to select the desired rotation direction. For drilling, select forward rotation.
- 3. Adjusting Speed (Variable Speed Models):** The drill features a variable speed trigger. Pressing the trigger lightly will result in lower speeds, while pressing it further will increase the speed. This allows for precise control depending on the material and application.
- 4. Starting the Drill:** Press the trigger switch to start the drill.
- 5. Drilling:**
 - Hold the drill firmly with both hands, especially when using the auxiliary handle.
 - Position the drill bit on the workpiece.
 - Start drilling at a low speed to create a pilot hole, then gradually increase speed as needed.
 - Apply steady, even pressure. Do not force the drill.
- 6. Stopping the Drill:** Release the trigger switch to stop the drill.

MAINTENANCE AND CARE

Regular maintenance ensures the longevity and optimal performance of your drill.

- **Cleaning:** After each use, clean the drill with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Keep ventilation openings clear of dust and debris.
- **Chuck Maintenance:** Periodically clean the chuck jaws to ensure proper grip on drill bits.
- **Cord Inspection:** Regularly inspect the power cord for any signs of damage, cuts, or fraying. If damaged, have it repaired by a qualified service technician.
- **Storage:** Store the drill in a dry, secure place, out of reach of children.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Drill does not start.	No power supply; faulty switch; damaged cord.	Check power connection; inspect cord; contact service if switch is faulty.
Excessive vibration or noise.	Loose drill bit; worn components; bent drill bit.	Ensure drill bit is securely tightened; replace bent bits; contact service for worn components.
Drill bit gets stuck.	Incorrect speed; excessive pressure; dull drill bit.	Use appropriate speed; reduce pressure; replace or sharpen drill bit. Use reverse function to extract.

WARRANTY AND SUPPORT

This BLACK+DECKER KTD10RE 10mm Rotary Drill comes with a **6-month warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from misuse, abuse, alteration, or unauthorized repair.

For warranty claims, technical support, or service inquiries, please contact your authorized BLACK+DECKER service center or retailer. Keep your purchase receipt as proof of purchase.