

COMOWARE TGDDrill-20V-One Battery

COMOWARE 20V Cordless Drill/Driver Instruction Manual

Model: TGDDrill-20V-One Battery

1. IMPORTANT SAFETY INSTRUCTIONS

Read all safety warnings and instructions before operating this power tool. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury. Save all warnings and instructions for future reference.

- Always wear eye protection and hearing protection when operating power tools.
- Keep 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.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.
- Avoid accidental starting. Ensure the switch is in the off-position before connecting to battery pack, picking up or carrying the tool.
- Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- Use the correct power tool for your application. Do not force the tool.
- Disconnect the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.
- Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.
- 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.
- Use power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.
- Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- Do not use battery packs other than those specifically designated for the power tool.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact customer support.

- 1 x COMOWARE 20V Cordless Drill
- 1 x 20V Lithium-Ion Battery
- 1 x Fast Charger (1.5A)
- 3 x HSS Twist Drill Bits
- 3 x Brad Point Drill Bits
- 3 x Masonry Drill Bits
- 11 x Screwdriver Bits
- 2 x Double-headed Bits
- 1 x Flexible Hex Shaft
- 1 x Storage Case

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Screwdriver Bit:



PZ1 PZ3 T20 T25 SL4 SL6



1 Extension Bar
1 Connecting
Extension Bar



Fast Charger



HSS Twist Drill Bit: 4mm, 5mm, 6mm
Brad Point Drill Bit: 4mm, 5mm, 6mm

Flexible Shaft: 9.8" (250mm)



Socket:



5mm 6mm 7mm 8mm 9mm 10mm 11mm 12mm 13mm



Screwdriver Bits (10 pcs):
1" (25mm)

Image: The COMOWARE 20V Cordless Drill/Driver kit, including the drill, battery, charger, various drill and screwdriver bits, and a black storage case.

3. PRODUCT OVERVIEW

Familiarize yourself with the components of your COMOWARE 20V Cordless Drill/Driver.



Image: An overhead view of the COMOWARE 20V Cordless Drill/Driver, showcasing the drill, battery, charger, and a variety of drill and screwdriver bits arranged around it.

Key Components:

- **Keyless Chuck:** For quick and easy bit changes.
- **Torque Adjustment Ring:** Controls the clutch setting for driving screws.
- **Speed Selector Switch:** Toggles between low and high-speed modes.
- **Forward/Reverse Switch:** Changes rotation direction and locks the trigger.
- **Trigger Switch:** Activates the drill and controls variable speed.
- **LED Work Light:** Illuminates the work area.
- **Battery Pack:** Provides power to the drill.
- **Battery Release Buttons:** For detaching the battery.

4. SETUP

4.1 Charging the Battery

The 20V Lithium-Ion battery requires charging before first use and after each use. Use only the supplied 1.5A fast charger.

1. Remove the battery pack from the drill by pressing the battery release buttons and sliding the battery out.
2. Connect the charger to a standard power outlet.
3. Align the battery pack with the charger and slide it into place until it clicks.
4. The charging indicator on the battery will show the charging status. A full charge typically takes 60 minutes.
5. Once fully charged, disconnect the charger from the power outlet and remove the battery pack.



Image: A close-up of the COMOWARE 20V battery pack, illustrating the power level display with indicators for 100%, 50%, and 25% charge, and the charging state (red for charging, green for fully charged).

4.2 Installing and Removing Drill Bits

The 3/8-inch keyless chuck allows for quick and secure bit changes.

1. Ensure the drill is off and the forward/reverse switch is in the center (locked) position.
2. Grip the rear part of the chuck firmly with one hand.
3. Rotate the front part of the chuck counter-clockwise to open the jaws.
4. Insert the desired drill bit or screwdriver bit into the chuck, ensuring it is centered.
5. Rotate the front part of the chuck clockwise to tighten the jaws securely around the bit. Hand-tighten firmly.
6. To remove a bit, reverse the process: hold the rear part of the chuck and rotate the front part counter-clockwise.



Image: A three-step visual guide demonstrating how to open, insert a bit, and tighten the 3/8-inch keyless chuck on the drill.

5. OPERATING INSTRUCTIONS

5.1 Variable Speed Control

The drill features two variable speed settings for versatility across different tasks and materials.

- **Speed 1 (0-350 RPM):** Use for driving screws, larger drilling diameters, or applications requiring higher torque and slower speed.
- **Speed 2 (0-1300 RPM):** Use for drilling smaller holes, or applications requiring higher speed and lower torque.

Adjust the speed using the selector switch located on top of the drill.

SEAMLESS SWITCHING



2-Speed ADJUSTABLE

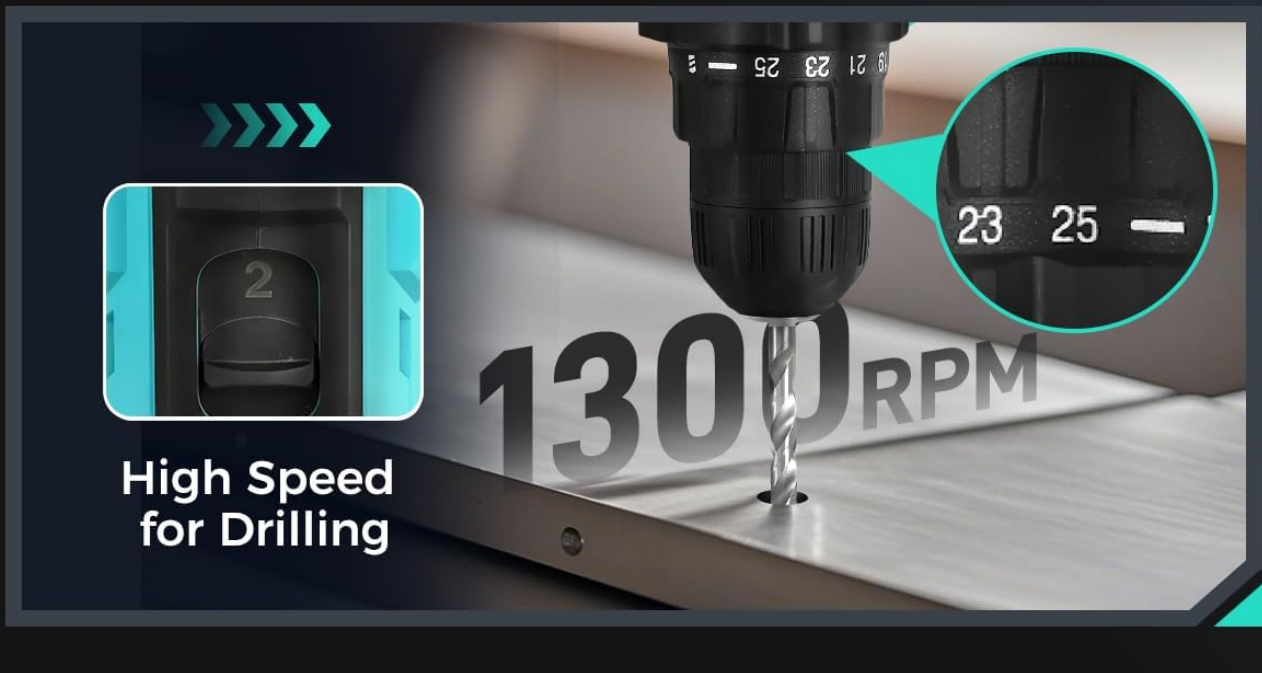


Image: A visual representation of the drill's two-speed adjustment, showing the selector switch positions for 350 RPM (high torque for screwing) and 1300 RPM (high speed for drilling).

5.2 Torque Adjustment (Clutch Settings)

The 25+1 position clutch allows for precise torque control, preventing over-driving screws or damaging materials.

- Rotate the torque adjustment ring to select the desired setting.
- Settings 1-25 are for driving screws into various materials (e.g., lower settings for soft wood, higher settings for hard wood or metal).
- The drill icon setting (marked as '+1') is for drilling applications, providing maximum torque without clutch

25+1 TORQUE POSITIONS



Precise Depth Control



Image: A close-up of the drill's torque adjustment ring, illustrating the 25+1 positions and their suitability for screws, metal, brick, and wood applications.

5.3 Forward/Reverse and Trigger Lock

The forward/reverse switch controls the direction of rotation and acts as a trigger lock.

- Push the switch to the left for forward rotation (driving screws, drilling).
- Push the switch to the right for reverse rotation (removing screws, backing out bits).

- Position the switch in the center to lock the trigger, preventing accidental operation. Always engage the trigger lock when changing bits or storing the tool.



Image: A diagram illustrating the three positions of the drill's switch: forward, lock (center), and reverse, with corresponding icons.

5.4 LED Work Light

The integrated LED light automatically illuminates when the trigger is pressed, providing visibility in dimly lit work areas.

COMOWARE



BUILT-IN LED
STAY LIT. STAY FOCUSED

Image: A user holding the COMOWARE drill, with the built-in LED light shining on a metal workpiece, highlighting its function in dark environments.

6. MAINTENANCE

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

- **Cleaning:** After each use, wipe the tool with a clean, damp cloth. Do not use harsh chemicals or abrasive cleaners. Keep the ventilation openings clear of dust and debris.

- **Battery Care:** Store the battery in a cool, dry place away from direct sunlight. Do not store fully discharged batteries for extended periods. Charge the battery fully before storage and every 3-6 months if not in use.
- **Chuck Maintenance:** Periodically clean the chuck jaws to ensure proper gripping of bits.
- **Storage:** Store the drill and accessories in the provided storage case in a dry, secure location out of reach of children.

7. TROUBLESHOOTING

If you encounter issues with your COMOWARE 20V Cordless Drill/Driver, refer to the following common solutions:

- **Drill does not start:**
 - Ensure the battery is fully charged and properly inserted.
 - Check that the forward/reverse switch is not in the center (locked) position.
- **Loss of power during operation:**
 - The battery may be low; recharge it.
 - The tool may be overloaded; reduce pressure or use a lower speed/higher torque setting.
- **Bit slips in chuck:**
 - Ensure the chuck is tightened securely.
 - Clean any debris from the chuck jaws and bit shank.
- **Unusual noise or vibration:**
 - Stop operation immediately. Check for loose parts or damage. If the issue persists, contact customer support.

For issues not covered here, please contact COMOWARE customer support.

8. SPECIFICATIONS

Feature	Specification
Brand	COMOWARE
Model Number	TGDrill-20V-One Battery
Power Source	Battery Powered
Voltage	20 Volts
Amperage	1.5 Amps
Battery Capacity	1500 Milliamp Hours (Li-Ion)
Maximum Rotational Speed	1300 RPM

Number of Speeds	2 (0-350 RPM, 0-1300 RPM)
Maximum Torque	266 Inch Pounds
Chuck Size	3/8 inch (10 Millimeters) Keyless
Item Weight	5.2 Pounds
Product Dimensions	11"L x 3"W x 9"H
Color	Green

9. WARRANTY AND SUPPORT

For warranty information, technical support, or to inquire about replacement parts, please contact COMOWARE customer service. Refer to your purchase documentation for specific warranty terms and contact details. You can typically find support information on the official COMOWARE website or through the retailer where the product was purchased.

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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

Answered questions about this manual

How can I open the chuck on my COMOWARE 20V Cordless Drill if it is stuck and making a clicking sound?

If the keyless chuck on your COMOWARE 20V Cordless Drill is stuck and making a clicking sound (skipping gears) when you try to open it, the internal mechanism may be jammed or the clutch...

[Read full answer](#)