CERTA

18V Cordless Drill

CT18VDRILXA

USER MANUAL

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General Tool Safety Warnings

Save all warnings and instructions for future reference.
The term “power tool” refers to your mains operated (corded) power tool or battery-operated (cordless) power tool.

Work Area

1. Keep your work area clean and well lit. Cluttered benches and dark areas invite accidents.
2. 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.
3. Keep bystanders and children away while operating a power tool. Distractions can cause you to lose control.

Electrical Safety

1. Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
2. Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is grounded.
3. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
4. Do not abuse the cord. Never use the cord to carry the tools or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately. Damaged cords increase the risk of electric shock.
5. When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable fir outdoor use reduces the risk of electric shock.
6. If operating a power tool in a damp location is unavoidable, use a Ground Fault Circuit Interrupter (GFCI) protected supply. Use of a GFCI reduces the risk of electric shock.

Personal Safety

1. Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating power tools may result in serious personal injury.
2. 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.
3. Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or

energizing power tools that have the switch on invites accidents.
4. Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts.
5. Remove adjusting keys or wrenches before turning the tool on. A wrench or a key that is left attached to a rotating part of the tool may result in personal injury.
6. Do not overreach. Keep proper footing and balance at all times. The enables better control of the power tool in unexpected situations.
7. Only use safety equipment that has been approved by an appropriate standards agency. Unapproved safety equipment may not provide adequate protection. Eye protection must be ANSI-approved and breathing protection must be NIOSH-approved for the specific hazards in the work area.

Power Tool Use and Care

1. Do not force tool. Use the correct tool for your application. The correct tool will do the job better and safer at the rate for which it is designed.
2. Do not use tool if switch does not turn it on or off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
3. Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing the tool. Such preventive safety measures reduce risk of starting the tool accidentally.
4. Store idle power tools out of the reach of children and other untrained persons. Power tools are dangerous in the hands of untrained users.
5. Maintain tools with care. 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. Many accidents are caused by poorly maintained power tools.
6. Keep cutting tools sharp and clean. Properly maintained tools with sharp cutting edges are less likely to bind and are easier to control.
7. Use only accessories that are recommended by the manufacturer for your model. Accessories that may be suitable for one tool may become hazardous when used on another tool.

Battery Tool Use and Care

1. Ensure the switch is in the off position before inserting battery pack. Insert the battery pack into power tools that have the switch on invites accidents.
2. 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.
3. Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
4. When battery pack is not in use, keep it away from other metal objects like paper clips, coins, keys, nails, screws, or other small metal objects that can make a connection from one terminal to another. Shorting the battery

terminals together may cause burns or a fire.

5. Under abusive conditions, liquid may be ejected from the battery, avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.

Additional Warnings Applicable for the Cordless Drill

- **Hold power tool by insulated gripping surfaces, when performing an operation where the cutting accessory or fastener may contact hidden wiring.** Cutting accessory and fasteners contacting a “live” wire may make exposed metal parts of the power tool “live”, which can give the operator an electric shock.
- **Use appropriate detectors to determine if utility lines are hidden in the work area or call the local utility company for assistance.** Contact with electric lines can lead to fire and electric shock. Damaging a gas line can lead to explosion. Penetrating a water line causes property damage and may cause an electric shock.
- **Switch off the power tool immediately when the tool insert jams.** Be prepared for high reaction torque that can cause kickback.
- **Hold the machine with a firm grip.** High reaction torque can briefly occur while driving in and loosening screws.
- **Secure the work piece.** A work piece clamped with clamping devices or in a vice is held more securely than by hand.
- **Be extra careful when cutting in high or hard-to-reach locations. Avoid sawing overhead.** Be on the lookout for hidden wires and falling debris.
- **Keep your workplace clean.** Blends of materials are particularly dangerous. Dust from light alloys can burn or explode.
- **Always wait until the machine has come to a complete stop before placing it down.** The tool insert can jam and lead to loss of control over the power tool.
- **Do not open the battery.** Danger of short circuiting. Protect the battery against heat, e. g., also against continuous sun irradiation and fire. There is danger of explosion.
- **In case of damage and improper use of the battery, vapours may be emitted.** Provide fresh air and seek medical help in case of complaints. The vapours can irritate the respiratory system.
- **When the battery is defective, liquid can escape and come into contact with adjacent components.** Check any parts concerned. Clean such parts or replace them, if required.

Important Safety Instructions for Battery Charger

- **Before using battery charger, read all instructions and cautionary markings on battery charger, battery pack, and product using battery.**
- **Use only the charger which accompanied your product or direct replacement.** Do not substitute any other charger. Use only same supplier approved chargers with your product.
- **Do not disassemble charger or operate the charger if it has received a sharp blow, been dropped or otherwise damaged in any way.** Incorrect

reassembly may result in a risk of electric shock, electrocution or fire.

- **Do not recharge battery in damp or wet environment. Do not expose charger to rain or snow. If battery case is cracked or otherwise damaged, do not insert into charger.** Battery short or fire may result.
- **Charge only same supplier approved rechargeable batteries.** See Functional Description and Specifications. Other types of batteries may burst causing personal injury and damage.
- **Charge battery pack in temperatures above 0ºC and below 45ºC. Store tool and battery pack in locations where temperatures will not exceed 49ºC.** This is important to prevent serious damage to the battery cells.
- **Pull by plug rather than cord when disconnecting charger or when disconnecting cords using the daisy chain feature.** This will reduce risk of damage to electric plug and cord.
- **Make sure that cord is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress.**
- **Do not use an extension cord unless it is absolutely necessary.** Use of improper extension cord could result in risk of fire, electric shock, or electrocution.
- **Do not operate charger with damaged cords or plugs** — have them replaced immediately.
- **Disconnect the charger from the outlet before attempting any cleaning. This will reduce the risk of electric shock.** Removing the battery pack will not reduce this risk.

Important Safety Instructions for the Battery Pack

- **Do not incinerate the battery pack even if it is severely damaged or is completely worn out.** The battery pack can explode in a fire. Toxic fumes and materials are created when lithium ion battery packs are burned.
- **Do not charge or use battery in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Inserting or removing the battery from the charger may ignite the dust or fumes.
- **If battery contents come into contact with the skin, immediately wash area with mild soap and water.** If battery liquid gets into the eye, rinse water over the open eye for 15 minutes or until irritation ceases. If medical attention is needed, the battery electrolyte is composed of a mixture of liquid organic carbonates and lithium salts.
- **Contents of opened battery cells may cause respiratory irritation.** Provide fresh air. If symptoms persist, seek medical attention.
- **Charge the battery packs only in the charger which accompanied your product.**
- **DO NOT splash or immerse in water or other liquids.** This may cause premature cell failure.
- **Do not store or use the tool and battery pack in locations where the temperature may reach or exceed 40°C (such as outside sheds or metal buildings in summer).**
- **When batteries are not in tool or charger, keep them away from metal objects.**
- **DO NOT put batteries into fire or expose to high heat.** They may explode.

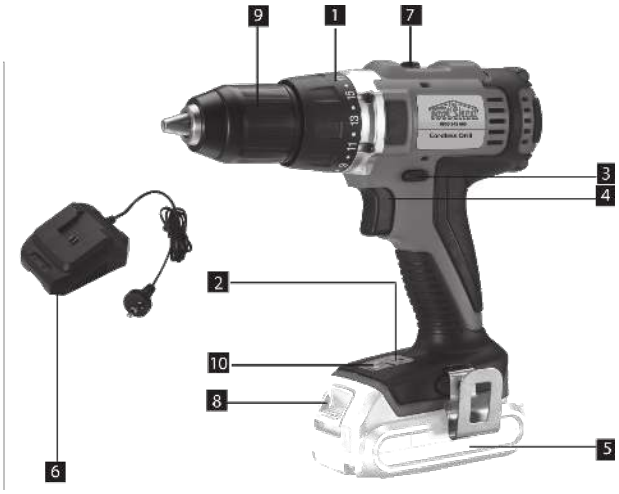
Symbols

The following symbols or initials may be used on the tool. Please see below to learn their meaning. Proper interpretation of these symbols will allow you to operate the tool better and safer.

Symbol	Name	Designation/Explanation
V	Volts	Voltage
A	Amperes	Current
Hz	Hertz	Frequency (cycles per second)
Kg	Kilograms	Weight
Min	Minutes	Time
s	Seconds	Time
Ø	Diameter	Size of drill bits, grinding wheel etc..
n_o	No load speed	Rotational speed at no load
.../min	Revolutions or reciprocation per minute	Revolutions, strokes, surface speed, orbits etc.. per minute
0	Off position	Zero speed, zero torque...
	Arrow	Action in the direction of the arrow
	Direct current	Type or a characteristic of current
	Read manual symbol	Alerts user to refer to the manual
	Wear eye protection	Alerts user to wear eye protection
	Class II construction	Double insulated construction tools

Product Information

Layout



1. Torque Selector
2. Battery Capacity Indicator
3. Changeover Switch
4. ON/OFF Switch
5. Li-Ion Battery Pack
6. Battery Charger
7. Gear Selection Switch
8. Pushlock Button
9. Quick-change Drill Chuck
10. LED Lamp

Technical Specifications

Voltage Supply	17V d.c./1.3 A h Li-ion
Idling Speed	0-400/0-1400rpm
Torque Settings	19+1
Forward & Reverse Rotation	Yes
Chuck Clamping Width	Max 13mm
Battery Charging Current	1300mA
Mains Voltage for Charger	100-240V~/50-60Hz
Charging Time	1 hour
Weight	1.5kg

Charging Battery Pack

1. Remove the battery pack (5) from the handle, pressing the push lock buttons (8) downwards to do so.
2. Check that your mains voltage is the same as that marked on the rating plate of the battery charger. Plug the mains plug of the charger (6) into the mains socket outlet, turn on the power the green LED will illuminate.
3. Push the battery pack onto the battery charger. The green LED extinguishes and the red LED will illuminate,which indicate that the battery pack is being charged.

4. When the charging period is completed after approx 1 hour, the green LED will illuminate and the red LED will extinguish.
5. The temperature of the battery pack may rise slightly during the charging operation. This is normal. If the green LED extinguishes during charging, the temperature is either above or below the perfect charging temperature. In this case, pull the plug of the charger and charge the battery in an environment in which the temperature is either warmer or colder.

If the battery pack fails to become charged, please check

- whether there is voltage at the socket-outlet
- whether there is proper contact at the charging contacts on the charger.

If the battery continues to fail charging, please contact the Kogan customer support team.

To ensure that the battery pack provides long service you should take care to recharge it promptly.
You must recharge the battery pack when you notice that the power of the cordless screwdriver drops.
Never fully discharge the battery pack. This will cause the battery pack to develop a defect.

Drill Operations

Torque Settings

The cordless screwdriver is fitted with a mechanical torque selector.
The torque for a specific size of screw is selected with the set-collar (1). The correct torque depends on several factors:

- the type and hardness of the material
- the type and length of screws
- the requirements needed to be met by the screwed joint

The clutch disengages with a grating sound to indicate when the set torque is reached.

Note: the tool must be at a standstill when the torque is being set with the setting ring.

Drilling

For drilling purposes, move the set-collar to the last step "drill". In this setting, the slip clutch is inactive.
The maximum torque possible will be used in drilling mode.

Forward/Reverse switch

With the slide switch (3) above the ON/OFF switch, you can select the direction of rotation of the battery powered drill/screwdriver, and secure it against being switched on accidentally. You can choose between clockwise and anticlockwise rotation. To avoid causing damage to the gearing it is advisable to change the direction of rotation only when the tool is at a standstill.
The ON/OFF switch is blocked when the slide switch is in the centre position.

ON/OFF switch

Variable speed control is possible with the ON/OFF switch (4). The further you press the switch, the higher the speed of the battery powered drill-screwdriver.

Changing from 1st Gear to 2nd Gear

You can work at a higher or lower speed depending on the position of the selector switch. To avoid damaging the gear unit you should only change over gears when the tool has stopped.

Battery capacity indicator

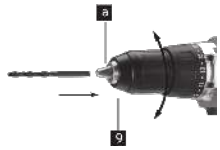
The 3 colour LEDs will indicate the status of battery capacity as soon as you press the ON/OFF switch (4).

- All LEDs illuminate: Battery is fully charged.
- Yellow and red LEDs illuminate: Battery has adequate charge.
- Red LED: The battery is empty. Please recharge.

LED Lamp

The LED lamp (10) can be used in poor lighting conditions to illuminate the area where you want to drill or screw. The LED lamp (10) will be lit automatically as soon as you press the ON/OFF switch (4).

Changing the Tool



Important. Set the changeover switch (3) to its centre position whenever you carry out any work (for example changing the tool, maintenance work, etc.) on the cordless screwdriver.

- The cordless screwdriver is fitted with a quickaction chuck (9) with an automatic spindle stop.
- Open the chuck (9). The chuck opening (a) must be large enough to hold the tool (drill bit or screwdriver bit).
- Select the suitable tool. Push the tool as far as possible into the chuck opening (a).
- Tighten the chuck (9), then check that the tool is secure.

Screwdriving

We recommend using self-centering screws (eg. Recessed head screws) designed for reliable working. Be sure to use a bit that matches the screw in shape and size.

Sound and Vibration

Sound and vibration values were measured in accordance with EN 60745.
L_{pA}: sound press level 71,23dB(A)
K_{pA}: uncertainty 3dB(A)
L_{WA}: sound pressure level 82,23dB(A)
K_{WA}: uncertainty 3dB(A)
Wear ear muffs! The impact of noise can cause damage to hearing.

Drilling in Metal
Vibration emission value a_h = 3,782m/s^2
K uncertainty = 1,5m/s^2

Screwing without hammer action
Vibration emission value a_h < 2.5m/s^2
K uncertainty = 1,5m/s^2

Maintenance and Servicing

To prevent serious injury or death from accidental operation, turn the Power Switch of the tool to its "OFF" position and disconnect battery pack from tool before performing any inspection, maintenance, or cleaning procedures.

- Clean out dust and debris from vents and electrical contacts by blowing with compressed air. Always wear safety goggles when cleaning tools with compressed air.
- Keep tool handles clean, dry and free of oil or grease.
- Use only mild soap and a damp cloth to clean the tool, keeping away from all electrical contacts.

Note: Certain cleaning agents and solvents are harmful to plastics and other insulated parts. Some of these include gasoline, turpentine, lacquer thinner, paint thinner, chlorinated cleaning solvents, ammonia and household detergents containing ammonia.

Tool maintenance must only be performed by qualified repair personnel. If the tool is not working properly, do not attempt to repair it yourself. Contact the Kogan customer support team.

Troubleshooting

Problem	Possible Causes	Likely Solutions
Tool will not start.	• Battery pack not installed properly. • Battery pack not charged.	• Check battery pack installation. • Check battery pack charging requirements.
Battery pack will not charge.	• Battery pack not inserted into charger. • Charger not plugged in.	• Insert battery pack into charger until red LED appears. • Plug charger into a working outlet. Refer to "Important Charging Notes" for more details. • If chargers are daisy chained together check all connections. • Check current at receptacle by plugging in a lamp or other appliance. • Check to see if receptacle is

	• Surrounding air temperature. • Battery pack too hot or too cold.	connected to a light switch which turns power off when you turn out the lights. • Move charger and battery to a surrounding air temperature of above 4.5°C or below 40.5°C. • The charger will not charge a battery pack if the cell temperature is below approximately 0°C or above 60°C. • The battery pack should be left in the charger and the charger will begin to charge automatically when the cell temperature warms up or cools down.