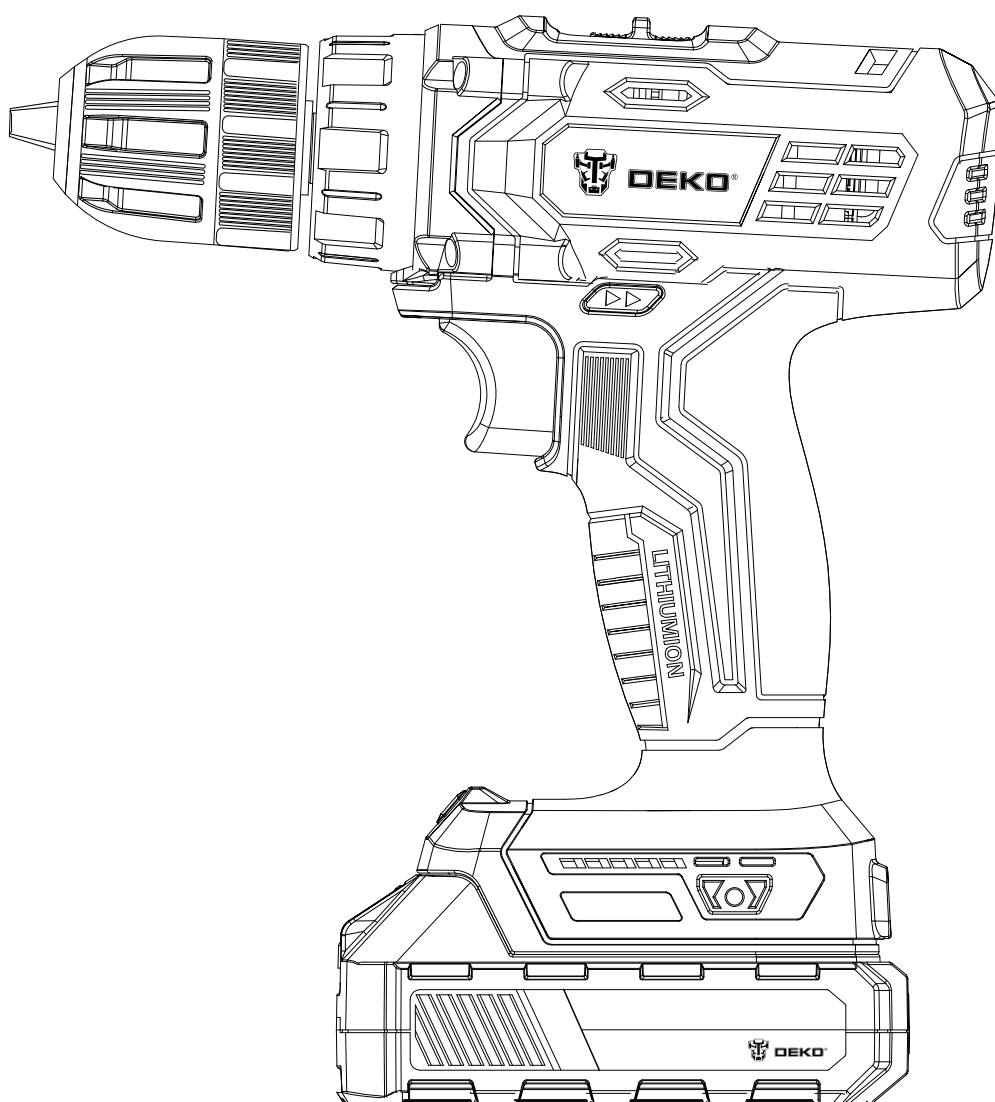
**DEKO®**

INSTRUCTION MANUAL

CORDLESS IMPACT DRILL

Model No.: DKCD16ID01/DKCD20ID01



DEKO TOOLS CO., LIMITED
www.dekotools.com Made in China

General Power Tool Safety Warnings

WARNING:

Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

1) Work area safety

- a) **Keep work area clean and well lit.** *Cluttered or dark areas invite accidents.*
- b) **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.*
- c) **Keep children and bystanders away while operating a power tool.** *Distractions can cause you to lose control.*

2) Electrical safety

- a) **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.*
- b) **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.*
- c) **Do not expose power tools to rain or wet conditions.** *Water entering a power tool will increase the risk of electric shock.*
- d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** *Damaged or entangled cords increase the risk of electric shock.*
- e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** *Use of a cord suitable for outdoor use reduces the risk of electric shock.*
- f) **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** *Use of an RCD reduces the risk of electric shock.*

3) Personal safety

- a) **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.** *A moment of inattention while operating power tools may result in serious personal injury.*
- b) **Use personal protective equipment. Always wear eye protection.** *Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.*
- c) **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 energising power tools that have the switch on invites accidents.*
- d) **Remove any adjusting key or wrench before turning the power tool on.** *A wrench or a key left attached to a rotating part of the power tool may result in personal injury.*

- e) **Do not overreach. Keep proper footing and balance at all times.** *This enables better control of the power tool in unexpected situations.*
- f) **Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts.** *Loose clothes, jewellery or long hair can be caught in moving parts.*
- g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** *Use of dust collection can reduce dust-related hazards.*
- h) **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** *A careless action can cause severe injury within a fraction of a second.*

4) Power tool use and care

- a) **Do not force the power tool. Use the correct power tool for your application.** *The correct power tool will do the job better and safer at the rate for which it was designed.*
- b) **Do not use the power tool if the switch does not turn it on and off.** *Any power tool that cannot be controlled with the switch is dangerous and must be repaired.*
- c) **Disconnect the plug from the power source and/or remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools.** *Such preventive safety measures reduce the risk of starting the power tool accidentally.*
- d) **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.** *Power tools are dangerous in the hands of untrained users.*
- e) **Maintain power tools and accessories. 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.*
- f) **Keep cutting tools sharp and clean.** *Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.*
- g) **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** *Use of the power tool for operations different from those intended could result in a hazardous situation.*
- h) **Keep handles and grasping surfaces dry, clean and free from oil and grease.** *Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.*

5) Battery tool use and care.

- a) **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.*
- b) **Use power tools only with specifically designated battery packs.** *Use of any other battery packs may create a risk of injury and fire.*
- c) **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.*
- d) **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.*
- e) **Do not use a battery pack or tool that is damaged or modified.** *Damaged or modified batteries*

may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.

f) **Do not expose a battery pack or tool to fire or excessive temperature** . Exposure to fire or temperature above 40 °C may cause explosion.

g) **Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions.** Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

6) Service

a) **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.

b) **Never service damaged battery packs.** Service of battery packs should only be performed by the manufacturer or authorized service providers.

Additional Safety Warnings for Drills and Screw Drivers

1) **Wear ear protectors and goggles when impact drilling.** Exposure to noise can cause hearing loss.

2) **Dusts from materials such as lead-containing coatings, some wood types, minerals and metal can be harmful to one's health and cause allergic reactions, lead to respiratory infections and/or cancer.** Materials containing asbestos may only be worked by specialists.

– please always keep the working place clean and well-ventilated.

– it is recommended to wear a p2 filter-class respirator.

Observe the relevant regulations in your country for the materials to be worked.

3) **Before any work on the machine (e.G., Maintenance, tool change, etc.) as well as during transport and storage, set the rotational direction switch (forward/reverse switch) to the center position.** Unintentional actuation of the on/off trigger can lead to injuries.

4) **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" and could give the operator an electric shock.

5) **Hold the machine with a firm grip.** High reaction torque can briefly occur while driving in and loosening screws. Secure the workpiece. A workpiece clamped with clamping devices is held more secure than by hand.

6) **Never operate at higher speed than the maximum speed rating of the drill bit.** At higher speeds, the bit is likely to bend if allowed to rotate freely without contacting the workpiece, resulting in personal injury.

7) **Always start drilling at low speed and with the bit tip in contact with the workpiece.** At higher speeds, the bit is likely to bend if allowed to rotate freely without contacting the workpiece, resulting in personal injury.

8) **Apply pressure only in direct line with the bit and do not apply excessive pressure.** Bits can bend causing breakage or loss of control, resulting in personal injury.

Battery/Charger

WARNING:

Before using battery charger, read all instructions and cautionary markings on battery charger, battery pack, and product using battery.

Do not disassemble charger or operate the charger if it has received a sharp blow, been dropped or otherwise damaged in any way. *Replace damaged cord or plugs immediately. Incorrect reassembly or damage may result in electric shock 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 DEKO approved rechargeable batteries. *See Specifications. Other types of batteries may burst causing personal injury and damage.*

Charge battery pack in temperatures above +50 degrees F (10 degrees C) and below +104 degrees F (40 degrees C). Store tool and battery pack in locations where temperatures will not exceed 120 degrees F (49 degrees C). *This is important to prevent serious damage to the battery cells.*

Battery leakage may occur under extreme usage or temperature conditions. *Avoid contact with skin and eyes. The battery liquid is caustic and could cause chemical burns to tissues. If liquid comes in contact with skin, wash quickly with soap and water. If the liquid contacts your eyes, flush them with water for a minimum of 10 minutes and seek medical attention.*

Place charger on flat non-flammable surfaces and away from flammable materials when re-charging battery pack. *The charger and battery pack heat during charging. Carpeting and other heat insulating surfaces block proper air circulation which may cause overheating of the charger and battery pack. If smoke or melting of the case are observed unplug the charger immediately and do not use the battery pack or charger.*

Battery Care

When batteries are not in tool or charger, keep them away from metal objects. *For example, to protect terminals from shorting DO NOT place batteries in a tool box or pocket with nails, screws, keys, etc. Fire or injury may result.*

DO NOT PUT BATTERIES INTO FIRE OR EXPOSE TO HIGH HEAT. *They may explode.*









Battery Disposal

WARNING:

Do not attempt to disassemble the battery or remove any component projecting from the battery terminals. *Fire or injury may result. Prior to disposal, protect exposed terminals with heavy insulating tape to prevent shorting.*

Save These Instructions for Future Use

Symbols Explanation in the Manual and/or on the Drill and Battery.

	Denotes risk of personal injury or damage to the tool.
	Read instruction manual before use.
	It is environmental friendly and could be recycled.
	Conforms to relevant legislation and safety standards.
	Keep the battery away from the fire.
	Charging temperature do not exceed 40°C.
	Keep the battery away from moisture or water.
	Do not dispose of power tools and batteries/rechargeable batteries into household waste! Dispose the products according to the regulation and requirement of local council.

Production Specification

Model	DKCD16ID01	DKCD20ID01
Rated voltage	DC 16V	DC 20V
Max. torque	32 N.m	40 N.m
No load speed	0-350/0-1350/min	0-350/0-1350/min
Impact rate	0-21000/min(IPM)	0-21000/min(IPM)
Chuck size	10mm(3/8")	10mm(3/8")
Max. drilling dia. in wood	22mm	25mm
Max. drilling dia. in steel	10mm	10mm
Max. drilling dia. in cement	8mm	8mm
Torque settings	18+3 Settings	18+3 Settings
Battery	Lithium-ion	Lithium-ion

Parts Description



Intended Use

The machine is intended for driving in and loosening screws as well as for drilling in wood, metal, ceramics, plastic, cement.

DO NOT use under wet conditions or in presence of flammable liquids or gases.

DO NOT let children come into contact with the tool. Supervision is required when inexperienced operators use this tool.

Variable Speed Control Trigger

To turn the tool on, squeeze the speed on/off control trigger. To turn the tool off, release the trigger. The chuck will stop as soon as the trigger is fully released.

NOTE: Continuous use in variable speed range is not recommended. It may damage the switch and should be avoided.

Forward/Reverse Switch

A forward/reverse switch determines the direction of the tool and also serves as a lock-off button.

To select forward rotation, release the switch and depress the forward/reverse control button on the right side of the tool.

To select reverse, release the switch and depress the forward/reverse control button on the left side of the tool.

The center position of the control button locks the tool in the OFF position. When changing the position of the control button, be sure the switch is released.

Mode Selector Ring & Torque Adjustment Ring

Please select the drilling, screwdriving and impact drilling mode by rotating the mode selector ring until the sign aligns with the arrow.

Circling the torque adjustment ring are numbers and a drill bit symbol. These numbers are used to set the ring to deliver a torque range. The higher the number on the ring, the higher the torque and the larger the fastener that can be driven. Rotate the torque adjustment ring to the desired torque.

2-Speed Gear Switch

The 2-speed feature of your tool allows you to shift gears for greater versatility. To select speed 1 (highest torque setting), turn the tool off and permit it to stop. Slide the gear switch all the way forward to speed 2 (highest speed setting).

WARNING: Do not change speed when the tool is running. Always allow the drill to come to a complete stop before changing speeds.

Keyless Chuck

WARNING: Always lock off trigger switch and disconnect tool from power source when changing accessories.

WARNING: Always ensure the bit is secure before starting the tool. A loose bit may eject from tool causing possible personal injury.

Your tool features a double-sleeve keyless chuck. To insert a drill bit or other accessory, follow these steps.

1. Turn tool off and disconnect tool from power source.
2. Rotate the sleeve counterclockwise (as viewed from the front) far enough to accept the desired accessory.
3. Insert the accessory into the chuck and tighten securely by rotating the sleeve clockwise.

LED Worklight

This drill features an LED worklight. This LED worklight could automatically be turned on when the speed control trigger is squeezed.

WARNING: The light of this power tool is intended to illuminate the power tool's direct area of working operation and is not suitable for household room illumination.

Installing and Removing the Battery Pack

NOTE: For best results, make sure your battery pack is fully charged. To install the battery pack into the tool handle, align the battery pack with the rails inside the tool's handle and slide it into the handle until the battery pack is firmly seated in the tool and ensure that it does not disengage. To remove the battery pack from the tool, press the release button and firmly pull the battery pack out of the tool handle.

Battery and Charging

Note: The battery is supplied partially charged to prevent possible problems. Therefore, you should charge it prior to use. Batteries will not reach full charge the first time they are charged. Allow several charging/discharging cycles for them to fully charge.

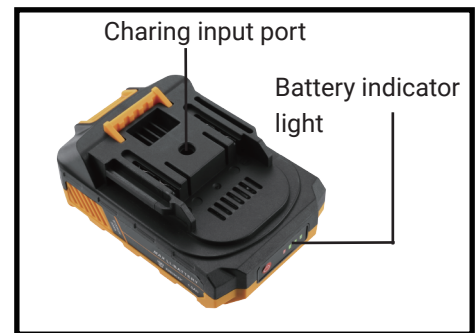
WARNING : Do not continue to press the On/Off switch after the machine has been automatically switched off. The battery can be damaged. The battery is equipped with an NTC temperature control which allows charging only within a temperature range of between 10°C-40°C(50°F-104°F). A long battery service life is achieved in this manner. Observe the notes for disposal.

Use only original DEKO battery in conjunction with your DEKO power tool. This measure alone protects the battery against dangerous overload. When using other batteries, e.g. imitations, reconditioned batteries or other brands, there is danger of injury as well as property damage through exploding batteries.

Do not open the battery. Danger of short-circuiting may occur. Protect the battery against heat, e.g., against continuous intense sunlight, fire, water, and moisture. Danger of explosion may occur.

WARNING: Use only original DEKO charger to charge the battery. When the charger indicator light is in red color, the battery is under charging. when the charger light turns green, the battery is fully charged.

The battery indicator indicates the battery state. please charge the battery in time.



Screw Driving

1. Select the desired speed/torque range using the gear switch to match the speed and torque to the planned operation.

2. Turn the torque adjustment ring to the desired position. Torque setting of 1-18 is for screw driving.

NOTE: Use the lowest torque setting required to seat the fastener at the desired depth. The lower the number, the lower the torque output.


3. Insert the desired fastener accessory into the chuck.

4. Make some practice runs in scrap or on unseen areas of the workpiece to determine the proper position of the torque adjustment ring.

5. Always start with lower torque settings, then advance to higher torque settings to avoid damage to the workpiece or fastener.

Drilling

NOTE: If drilling thin material, use a wood "back-up" block to prevent damage to the material.

1. Turn the torque adjustment ring to the drill symbol . Select the desired speed by turning the 2-speed gear switch.

2. Always choose appropriate drill bits for different materials.

3. Always apply pressure in a straight line with the bit. Use enough pressure to keep drill biting, but do not push hard enough to stall the motor or deflect the bit.

4. Hold tool firmly with both hands to control the twisting action of the drill.

WARNING: Drill may stall if overloaded, causing a sudden twist.

Always expect the stall. Grip the drill firmly to control the twisting action and avoid injury.

5. **IF DRILL STALLS**, it is usually because it is being overloaded or improperly used. **RELEASE TRIGGER IMMEDIATELY**, remove drill bit from work, and determine cause of stalling. **DO NOT DEPRESS TRIGGER ON AND OFF IN AN ATTEMPT TO START A STALLED DRILL – THIS CAN DAMAGE THE DRILL.**

6. To minimize stalling or breaking through the material, reduce pressure on drill and ease the bit through the last fractional part of the hole.

7. Keep the motor running when pulling the bit back out of a drilled hole. This will help prevent jamming.



Residual risks

Even when the tool is used as prescribed it is not possible to eliminate all residual risk factors. The following hazards may arise in connection with the tool's construction and design:

- 1, Damage to lungs if an effective dust mask is not worn.
- 2, Damage to hearing if effective hearing protection is not worn.
- 3, Health defects resulting from vibration emission if the power tool is being used over longer period of time or not adequately managed and properly maintained.

Maintenance and Cleaning

Before any work on the machine (e.g., maintenance, tool change, etc.) as well as during transport and storage, set the rotational direction switch to the center position. Unintentional actuation of the On/Off switch can lead to injuries.

For safe and proper working, always keep the machine and ventilation slots clean.

To ensure product SAFETY and RELIABILITY, repairs and any other maintenance or adjustment should be performed by a qualified repair person, always using **DEKO** replacement parts.

Service Information

If the equipment should fail some day in spite of our quality controls and your maintenance, only have it repaired by an authorized electrician. If the supply cord of the appliance is damaged, this has to be done by the manufacturer or his agent or electrician in order to avoid a safety hazard.

We provide 1-year quality warranty from purchasing date and friendly customer service. Our after-sales service responds to your questions concerning maintenance and spare parts. Please contact your local distributor or send emails to our service teams:

DEKO customer service for official website: services@dekotools.com

DEKO customer service for Amazon: support@dekotools.com

DEKO customer service for Aliexpress: dante@gipower.com.cn

The warranty will not apply to the following cases:

- (i) where this product has been subjected to misuse, abuse, accident or want of care;
- (ii) where this product has been used for a purpose for which it was not designed or is not suited;
- (iii) where the service of this product has been undertaken by a non-authorized person or company or if non-approved parts have been used.

Transport

The contained lithium-ion batteries are subject to the Dangerous Goods Legislation requirements. The user can transport the batteries by road without further requirements. Dispatch batteries only when the housing is undamaged. When being transported by third parties (e.g.: air transport or forwarding agency), special requirements on packaging and labelling must be observed. For preparation of the item being shipped, please observe possibly more detailed national regulations and consult an expert for hazardous material.

Disposal



The machine, rechargeable batteries, accessories, and packaging should be sorted for environmental-friendly recycling. Do not dispose of power tools and batteries/rechargeable batteries into household waste! Please recycle them at collection points provided for the purpose. Ask your local authority for information about recycling.

