

can be locked.

3. Change the direction of rotation (see figure B)
Forward turn, push the steering pole to the bottom (move to the left side), which can be used for drilling and screwing.
Reverse, push the side marked of the steering pole to the bottom (move to the right side), which can be used for loosening and turning quit the screw

Warning: The machine will not change direction until it is

stationary

4. Variable Speed (see Figure C)

1 gear speed: high torque/low speed, used for drilling thicker bits or screwing.
2 gear speed: low torque/high speed, used for drilling smaller

When the mechanical gearshift lever is unable to move due to gear collision, press the switch lightly to rotate the motor and

hea shift.

Marning: The machine will not change its speed until it is completely stationary.

∴¹. Warning: The machine will not change its speed until it is completely stationary.
5. Installation or removal of drill bits (see figure D)
Hold the sleeve of the back half of the chuck and turn the sleeve of the front half counterclockwise to open the chuck. Put the bit into the chuck and push it to the bottom as far as possible. Hold the sleeve ring clockwise and rotate the sleeve to tighten the chuck.

When disassembling the chuck, just hold the sleeve ring and

When disassembling the chuck, just hold the sleeve ring and rotate the sleeve counterclockwise.

6. Setting Torsion (see figure E)
Turn the torsion control ring to adjust the machine's torsion. When the number 1 on the torsion control ring is aligned with the knowledge arrow above the machine, the torsion is the smallest. When the mark on the torsion control ring is aligned with the indicator arrow above the machine, the torsion is the largest.

The reference for setting use is as follows

	1-7	Rotary Small Screw	
	8-14	Screw into soft material	
15-20		Screw in soft and harder material High Strength Drilling	

7. Spindle self-locking function
The spindle self-locking function enables the machine to operate as a manual tool. When the battery pack power is exhausted, the machine can be manually rotated to tighten or loosen the screw. At this time, the chuck is fixed.

1. Use I FN Index.

8. Use LED lights
Press the machine switch to turn on the working lamp, loosen the switch to turn off the working lamp.
LED lights can greatly improve the regularity of use in dark or closed

 Battery Pack Electricity Measurement
 Electricity Display When Three Lamps are Fully
 Activated. When only one or no light is on, please solved by adjusting the torsion adjusting ring to a higher level.

3. Why does the same battery pack work for a long or short time?

As mentioned above, if a battery pack is left unused for a long time, it will shorten its working time. After several times of charging and using, this situation will be improved. When doing heavy work, such as screwing large bolts into hardwood, the battery pack will also consume electricity very quickly. Do not charding in the environment below 0°C or above 45°C,

10, Drilling operation

When drilling holes on the surface of hard materials, a pointed punch and a hammer can be used to mark the place where the drill is to be drilled in order to prevent the bit from slipping. Hold the hand electric drill tightly, align the drill point with the mark, press the switch for drilling operation, and drill with proper pressure. Do not use excessive pressure will proper pressure. Do not use excessive pressure or offset pressure to make the hole diameter larger.

A When drilling concrete and stone, please use cemented carbide drills. When drilling metal anaterials, use high-speed steel drills in good

When using short screw batches, please use

When using short screw batches, please use magnetic connecting rod (excluding). When twisting the screw, apply a little soap or other lubricant on the screw thread so that it can be easily screwed in.

11. Overload protection
When overload occurs, the motor stops running. The machine is immediately unloaded and cooled for 30 seconds at the maximum idle speed.

12. Discharge protection

12. Discharge protection
The machine is equipped with discharge protection circuit. When the battery power is insufficient, the protection circuit opens and the machine stops

### Maintenance

Wainternance
Your electric tools do not need to be lubricated or
maintained.
Don't use water or chemical cleaners to clean your

Don't use water or chemical cleaners to clean your electric tools. Just wipe them with a dry cloth. The tools should be stored in a dry environment and the ventilation of the motor should be kept clean. Try not to use it in dusty environment.

## **Question Answer**

1. Why do you press the switch and the machine There is a steering pole at the top of the switch. which is in the locked position. Put it in the position where it needs to be turned. When the switch button is pressed, the machine will start to turn.

Why does the electric drill stop running before the screw is tightened?

screw is tightened?
At this time, please adjust the torsion adjustment ring between the fuselage and the chuck. The torsion corresponding to position 1 is the smallest and that

# Environmental protection

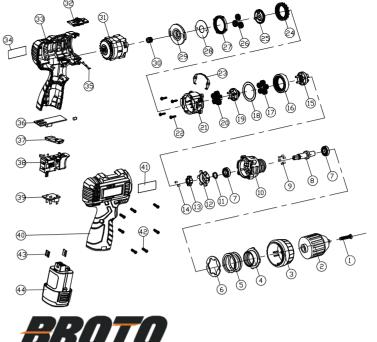


naterials must be classified in detail to facilitate and recycle. n order to facilitate classification and recycling, all plastic parts are marked with material

## **Component list**

Serial No.	Name	Number	Serial No.	Name	Number
1	M6*25 screw	1	23	Mechanical variable Speed shifter lever	1
2	Drill Chuck	1	24	annular gear	1
3	Torsion cup	1	25	planet carrier	1
4	Internal thread ring	1	26	planetary gear	3
5	Torque spring	1	27	annular gear	1
6	Torque adjustment shim	1	28	Back cover	1
7	6800Z Plane bearing	2	29	Motor connecting plate	1
8	Output shaft	1	30	Motor gear	1
9	Single end cylindrical pin	6	31	Motor	1
10	Front cabinet	1	32	Mechanical variable Speed Button	1
11	ø10 External plier	1	33	left shell	1
12	Lock shaft Hexagon piece	3	34	left label	1
13	Auto-locking block	1	35	Shift piece	1
14	Auto-locking pin	2	36	Controller	1
15	Axis lock planet carrier	1	37	Steering lever	1
16	annular gear	1	38	Brushless DC switch	1
17	planetary gear	5	39	Plug	1
18	Interstage gasket	1	40	Right shell	1
19	planet carrier	1	41	Right label	1
20	planetary gear	5	42	ST3*14 Cross recessed pan head tapping screws	7
21	Back cabinet	1	43	Fuselage buckle	2
22	5T3*12 Cross recessed pan head tapping screws	4	44	Battery	1

\*This list just reference



Company: Hunan Jiangyun Intelligent Technology Co.,Ltd Website: www.brototools.com

My Tool, My Bro!

Add: Software Centre Building, Lugu Street, High-Tech Development Zone, Yuelu District, Changsha, Hunan, China





Note:Please read the instructions carefully before using the machine.

Brushless Lithium Power Drill CQ-0012

MOTOR

# Brushless Lithium Power Drill CQ-0012

Brushless Lithium Power Drill CQ-0012

8

Brushless Lithium Power Drill CQ-0012

Marning!Read all safety warnings, instructions, drawings and regulations that come with power tools.Failure to follow the instructions listed below can result in electric shock, fire and/or serious injury. Save all warnings and instructions for review. can result in electric snock, lire and/or serious injury.

Save all warnings and instructions for review.
In all of the warnings listed below, the term "power tool" refers to either mains driven (wired) power tools or battery driven (wireless) power tools.

4. Remove all adjusting keys or wrenches before the power tool is connected. Wrenches or keys left on the rotating parts of power tools can cause personal injury.

5. Don't overextend your hands Always pay attention. or battery driven (wireless) power tools.

A. Workplace safety

1. Keep the working area clean and bright. Cluttered

 Keep the working area clean and bright.Cluttered and dark Spaces can cause accidents.
 Do not operate power tools in an explosive environment, such as flammable liquid, gas or dust.Sparks from power tools can ignite dust or gas.
 Keep away from children and bystanders when operating power tools.Lack of concentration can cause you to lose control of your tools.

## B. Electrical safety

1. The electric plug must match the socket. The plug must not be modified in any way. Grounding power tools should not use any conversion plug. Immediate plugs and matching sockets will reduce the risk of

## conditions to reduce personal injur

dangerous.
4. Remove all adjusting keys or wrenches before the

injury.
5. Don't overextend your hands. Always pay attention to your footing and balance. This will give you better

it is well connected and properly used. The use of dust collecting devices can reduce the hazard

plugs and matching sockets will reduce the risk of electric shocks.

2. Avoid human contact with grounding surfaces, such as pipes, heat sinks, and refrigerators. There is an increased risk of electric shock if your body touches the ground surface.

3. Do not expose power tools to rain or moisture. Water entering power tools increases the risk of electric shocks.

Water entering power tools increases the risk of electric shocks.

4. Do not abuse the flexible wire. Never use the flexible wire to carry, pull the power tool or pull out its plug. Keep flexible wire wavy from heat sources, oil, sharp edges or moving parts. Damaged or wound cords increase the risk of electric shock.

5. Use extension cords suitable for outdoor use when using power tools outdoors. Wires suitable for outdoor use will reduce the risk of electric shocks.

6. If operation of power tools in wet conditions cannot be avoided, use a power supply with residual current device (RCD) protection.

7. Personal safety

1. Be alert, pay attention to what you are dired or have reactions to drugs, alcohol or treatment. Momentary inattention in handling power tools can result in serious injury.

2. Use personal protective devices. Wear goggles and protective devices at all times. Devices such as dust masks, non-slip safety shoes, helmets and hearing protection can be used under appropriate

# Keep handle and holding surface dry, clean and free from grease.In the event of an accident, a slippery handle does not guarantee secure grip and control of the tool. E. Battery tools and precautions

Use only the charger battery specified by the inufacturer. Chargers that work in one battery pack may be a fire hazard when used in other battery packs.

2. Use only power tools equipped with special battery packs. Use of other battery packs may cause

injury and fire.

3. When the battery pack is not in use, keep it away from other metal objects such as paper clips, coins, keys, nails, screws, or other small metal objects to prevent one end of the battery pack from connecting to the other.A short circuit at the end of the battery

to the other.A short circuit at the end of the battery pack may cause combustion or fire.

4. Under abusive conditions, liquid may spill out of the battery pack. Avoid contact.If accidental contact with liquid, rinse with water.Seek medical attention if fluid touches the eye.Liquid spilled from the battery may corrode or burn.

inay corrode or burn.

5. Do not use damaged or modified batteries or bools. Damaged or modified battery packs can have inpredictable results, resulting in fire, explosion, or

injury.

6. Do not expose the battery pack to fire or high temperature. Exposure of the battery pack to fire or high temperatures above 130°C may cause an explosion.

F. maintenance

1. Use the same spare parts to repair power tools by professional maintenance personnel. This will ensure the safety of the power tools being repaired.

Never repair a damaged battery pack. The battery pack can only be repaired by the manufacturer or its

# Rechargeable drill safety warning

If the tool is provided with an auxiliary handle, use the auxiliary handle. Uncontrolled use of the tool

the auxiliary handle. Uncontrolled use of the tool may cause personal injury.

2. If the working attachment may come into contact with hidden wires during operation, hold the working insulated gripping surface. When the work accessory comes into contact with the "live" wire, the exposed metal part of the power tool may also become "live" and give the operator an electric shock.

3. Make sure your feet are standing still. When using tools from a height, make sure no one is below you.

4. Hold tools tightly.

5. Keep your hands away from the rotating parts.

6. Do not operate the tool without being looked after. You can use this tool only by hand.

7. Do not touch the drill or work immediately after operation, these parts may be very hot and burn your

corresponding to position 19 is the largest. The

position is used for drilling, and this problem can be solved by adjusting the torsion adjusting ring to a

## Keep these manuals properly

because you are familiar enough with the product (due to repeated use). Improper use or failure to follow the safety

## Marks



Do not place in rain or water



Please wear a dust mask

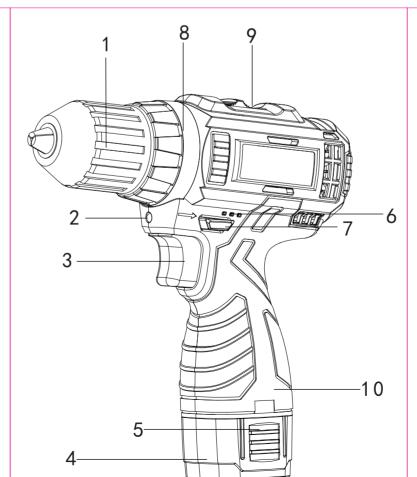


Please wear protective ear muffs



battery) does not contain toxic or harmful substances or elements, and it is a green product. It can be recycled after waste, and should not be discarded at will.





## 2.LED light 3.on/off switch 4.Battery pack 5. Battery lock knob 6.Electric quantity display 7.steering lever 8. Torsion adjusting ring 9.Mechanical variable Speed Button(front fast and back slow)

\*Some of the accessories mentioned in the drawings or words are not included in the scope of supply.

## **Parameter**

Voltage	16V		
No-load speed	0-460 / 0-1700r/min		
Torsion adjustment ge	ar	20+1	
Max chuck capacity		13mm	
	Steel	13mm	
Max drilling capacity	Wood	35mm	
Battery	2000mAH		

high quality accesssories of well-know brands and choose the accessories that are suitable for your work. Please refer to the attached package description before use, you will get more methods and

# Product Usage Description

Read all warnings and instructions. Failure to follow the warnings and Instructions may result in electric shock, fire or other serious injury

## Operational guidelines

Note: Before using the machine, please read the instructions carefully.

Purpose: This tool is used to screw or drill holes in wood, metal and plastic.

## Charge

The charger and the machine need to be used together. It is strictly prohibited to use other chargers. In high temperature environment or after long-term use, the machine may become hot. At this time, please do not charge immediately, and recharge after the battery is cooled. Otherwise, the service life of the battery will be shortened or the battery can not be recharged due to overheating.

When the machine is charged for the first time or not used for a

long time, after 2-3 times of charging and discharging, the battery efficiency can reach 100%.

The battery pack can be inserted into the charger in only one

direction. Turn the battery pack until it can be inserted into the charger. When the red light of the charger is on, the charging begins.
When a full battery pack is inserted into the charger, the smart charger will detect the voltage of the battery pack. When the unlock voltage is not reached, the charger will not charge the

battery pack and the red light will not turn green.
Installation/removal of battery packs (see figure A)
To remove the battery pack, press the lock in front of the battery pack and pull it out. To insert the battery pack, just push it into the machine, do not use too much force.

## Operation

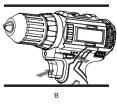
1. Start/close (see figure B) Press the switch, start the machine, loosen the machine to stop

running. The switch has braking function. When the switch is loosened, the chuck stops turning immediately.

The force applied on the switch can change the speed, and the range of change is from 0 to the maximum speed. Small force. low speed, easy to control, do not let the machine stop running

because it bears too much load.

Warning: Do not operate at low speed for a long time, or



Brushless Lithium Power Drill CQ-0012 Brushless Lithium Power Drill CQ-0012 2 Brushless Lithium Power Drill CQ-0012 Brushless Lithium Power Drill CQ-0012 4 5 Brushless Lithium Power Drill CQ-0012