

challenge
xtreme
READY FOR THE CHALLENGE

**18V LI-ION
HAMMER DRILL**



KD703-T2180LI
ORIGINAL INSTRUCTIONS

INTRODUCTION

Thank you for purchasing a CHALLENGE

XTREME 18V Li-ion hammer drill.

We would like you to be completely satisfied with your new product and hope you get many years of satisfaction out of this tool.

Your hammer drill is intended for driving in and loosening screws as well as for drilling in wood, masonry, metal, ceramic and plastic.

GENERAL POWER TOOL SAFETY WARNINGS



WARNING!

Read all safety warnings and all instructions. 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. The "power tool" in this instruction refers to your battery-operated (cordless) power tool.

1) Work area safety

- **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.** Power tools create sparks which may ignite the dust or fumes.
- **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

2) Electrical safety

- **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.

- **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.
- **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- **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 and moving parts.** Damaged or entangled cords increase the risk of electric shock.
- **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

- **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.
- **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- **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.

- **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.
- **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.**
- **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.

4) Power tool use and care

- **Do not force the power tool. Use the power tool correctly for your application.** The correct use will do the job better and safer at the rate for which it was designed.
- **Do not use the power tool if the switch couldn't on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- **Disconnect the plug from the power source and/or the battery pack 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.

- **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.
- **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.** Many accidents are caused by poorly maintained power tools.
- **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- **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 an RCD reduces the risk of electric shock.

5) Battery tool use and care

- **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.
- **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
- **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, Which can make a**

connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.

- **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.

6) Service

- **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.

ADDITIONAL SAFETY WARNINGS

- **Secure the workpiece.** A workpiece clamped with clamping devices or in a vice is held more secure than by hand.
- **Do not work materials containing asbestos.** Asbestos is considered carcinogenic.
- **Take protective measures when dust can develop during working that is harmful to one's health, combustible or explosive.** Example: Some dusts are regarded as carcinogenic. Wear a dust mask and work with dust/chip extraction when connectable.
- **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.

- **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 centre position.** Unintentional actuation of the On/Off switch can lead to injuries.
- **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.
- **Do not short-circuit the battery.** There is danger of explosion.
- **In case of damage and improper use of the battery, Vapours may be emitted. Provide for fresh air and seek medical help in case of complaints. The vapours can irritate the respiratory system.**
- **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 or may cause an electric shock.
- **Switch off the power tool immediately when the tool inserted jams. Be prepared for high reaction torque that can cause kickback.** The tool insert jams when:
 - the power tool is subject to overload or
 - it becomes wedged in the workpiece.
- **Hold the machine only by the insulated gripping surfaces, when performing an operation where the cutting tool may run into hidden wiring.** Contact with a "live" wire will make exposed metal parts of the

ORIGINAL INSTRUCTIONS

tool "live" and shock the operator.

- **Hold the machine with a firm grip.**

High reaction torque can briefly occur while driving in and loosening screws.

SYMBOLS



To reduce the risk of injury, user must read instruction manual



Warning



Wear eye protection



Wear ear protection



Wear dust mask



Indoor use only



Do not expose to rain or water



Do not burn



Li-Ion

Do not dispose of batteries. Return exhausted batteries to your local collection or recycling point.



Double insulation



Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.

Pic A



COMPONENT LIST

The numbering of the product features refers to the illustration of the machine on the graphics page (Pic.A)

1. 13mm Half metal keyless chuck
2. Torque preselection ring
3. Gear selector
4. Soft grip
5. LED light
6. Rotational direction switch
7. On/Off switch
8. Battery unlocking button
9. Battery pack
10. LCD battery level display
11. Drill bit

CHECK THE DELIVERY PARTS

Carefully remove the machine from its packaging and check as the following parts are complete:


- Cordless Hammer drill
- Battery charger
- 3 x drills bits
- Operating instructions

If any parts are missing or damaged, please contact with your dealer.

TECHNICAL DATA

Voltage	18 V
No load speed	
1 st gear	0-350/min
2 nd gear	0-1250/min
Clutch position	16+2
Max. Torque	25N.m
Chuck capacity	13mm
Max. Drilling capacity	
Wood	18mm
Steel	8mm
Masonry	13mm
Battery capacity	1.5Ah Li-ion
Charger voltage	100-240V~50/60Hz, 800mA
Output	23VDC, 1000mA
Charging time	1 hr

NOISE INFORMATION

A weighted sound pressure	72.1dB(A)
A weighted sound power	86.1dB(A)
KPA & KWA	3.0dB(A)
Wear ear protection when sound pressure is over	80dB(A) 

VIBRATION INFORMATION

Vibration total values (triax vector sum) determined according to EN 60745:	
Drilling into metal	Vibration emission value $a_h = 1.193 \text{ m/s}^2$
	Uncertainty $K = 1.5 \text{ m/s}^2$

The declared vibration total value has been measured in accordance with a standard test method and may be used for comparing one tool with another. The declared vibration total value may also be used in a preliminary assessment of exposure.



WARNING: The vibration emission value during actual use of the power tool can differ from the declared value depending on the ways in which the tool is used dependant on the following examples and other variations on how the tool is used:

How the tool is used and the materials being cut or drilled.

The tool being in good condition and well maintained.

To use the correct accessory for the tool and ensuring it is sharp and in good condition.

And the tool is being used as intended by its design and these instructions.

This tool may cause hand-arm vibration syndrome if its use is not adequately managed.



WARNING: To be accurate, an estimation of exposure level in the actual conditions of use should also take account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle but not actually doing the job. This may significantly reduce the exposure level over the total working period.

Helping to minimize your vibration exposure risk.

ALWAYS use sharp chisels, drills and blades.

Maintain this tool in accordance with these instructions and keep well lubricated (where appropriate).

If the tool is to be used regularly then invest in anti vibration accessories.

Avoid using tools in temperatures of 10°C or less.

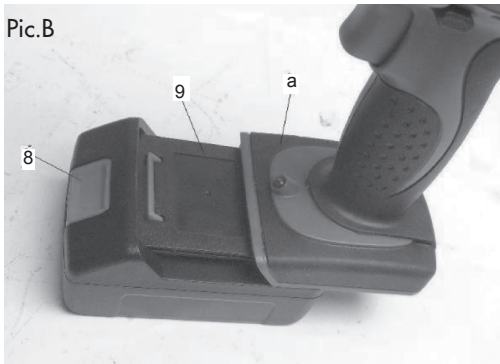
Plan your work schedule to spread any high vibration tool use across a number of days.

ASSEMBLY

Battery pack's assembly and disassembly

- Insert battery pack into the bottom of the handle (until click)
- Remove the battery pack by pressing the unlock button 8 on the battery pack at the same time and by pulling the battery pack out

Pic.B



- a. Cordless drill
8. Battery unlocking button
9. Battery pack

Battery Charging

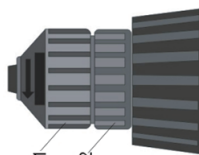
- Put the battery pack in the charger stand. Make sure it is placed correctly (+ and -)
- Plug in the socket-outlet(100-240V~)
- When the indicator light starts burning this means the battery pack is now being charged. Normally it will take 1-1.5hour to fully charge the battery.
When the red indicator light turned off and green indicator light turned on, this means the battery is fully charged.
- Unplug the plug after charging

Changing Tools

- **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 centre position. Unintentional actuation of the On/Off switch 7 can lead to injuries.

- To insert a drill bit / screwdriver bit, hold the back section of the chuck and rotate the front section of the chuck
- Insert the drill bit / screwdriver bit into the chuck (as far as possible)
- For screwdriver bits use an adaptor
- Select the correct screwdriver bit to avoid damaging the screw
- Firmly tighten the chuck by hand and check if the drill bit / screwdriver bit is seated firmly



OPERATION INSTRUCTIONS

Starting Operation Inserting the Battery



Use only original lithium ion batteries with the voltage listed on the nameplate of your power tool.

Using other batteries can lead to injuries and pose a fire hazard.

- 1) Set the rotational direction switch 6 to the centre position in order to avoid unintentional starting.
- 2) Insert the charged battery 9 into the handle as Pic.B shown so that it can be felt to engage and faces flush against the handle.

1. Switching on:

To start the appliance squeeze on the On/Off switch 7 and then keep it pressed down.

2. Note:

The power light 5 lights up when the On/Off switch 7 is slightly depressed, and enables illumination of the screwing location in unfavorable light conditions.

3. Switching off:

To stop the appliance, release the On/Off switch 7.

4. Reversing the Rotational Direction

The rotational direction switch 6 is used to reverse the rotational direction of the machine.

However, this is not possible with the On/Off switch 7 actuated.

5. Setting the Torque

The required torque can be preselected in 16 steps with the torque preselection ring 2.

With the correct setting, the insert tool is stopped as soon as the screw is screwed flush into the material or when the set torque is reached.

If you are going to drill a hole in wood or steel set the torque ring to the symbol "Drilling" .

If you are going to drill a hole in masonry, set the torque ring to the symbol "Hammer" .

6. Gear Selection, Mechanical

- **Actuate the gear selector 3 only when the machine is at a standstill.** Two speed ranges can be preselected with the gear selector 3.

Gear 1:

Low speed range; for screwdriving or working with large drilling diameter.

Gear 2:

High speed range; for working with small drilling diameter.

If the gear selector 3 cannot be fully engaged, lightly rotate the driver spindle with the drill bit by twisting the drill chuck.

7. Adjusting the Speed

The speed of the switched on power tool can be variably adjusted, depending on how far the On/Off switch 7 is pressed.

Light pressure on the On/Off switch 7 results in a low rotational speed. Further pressure on the switch results in an increase in speed.

8. LCD battery level display

When press the On/Off switch 7, the LCD display 10 indicates the battery level.



9. Run-on Brake

When the On/Off switch 7 is released, the chuck brakes to a stop, thus preventing the run-on of the tool.

When driving in screw, wait until the screw is screwed in flush with the material and then release the On/Off switch 7. By doing so, the head of the screw does not penetrate into the material.

10. Protection Against Deep Discharging

The Li-ion battery is protected against deep discharging by the "Electronic Cell Protection (ECP)". When the battery is empty, the machine is switched off by means of a protective circuit: The inserted tool no longer rotates.

11. Operating Instructions

- Apply the power tool to the screw only when it is switched off. Rotating tool inserts can slip off.

12. Soft Grip

The gripping surface (soft grip 4) reduces the danger of slipping and thereby improves the grip on the machine and the handling.

At the same time, the rubber coating achieves a vibration-reducing effect.

13. Tips

After longer periods of working at low speed, allow the machine to cool down by running it for approx. 3 minutes at maximum speed with no load.

For drilling in metal, use only perfectly sharpened HSS drill bits (HSS=high-speed steel). The appropriate quality is guaranteed by our accessories program.

Before screwing larger, longer screws into hard materials, it is advisable to predrill a pilot hole with the core diameter of the thread to approx. 2/3 of the screw length.

MAINTENANCE



CAUTION!

Place the direction of rotation direction switch 6 into the middle position before carrying out any tasks on the device, e.g. changing tools or maintenance, or before transporting or storing the device. Inadvertent operation of the On/Off switch 7 may result in injury. Always pull the battery charger out of the mains socket and remove the battery pack before you clean or maintain the device. The cordless Drill/Screwdriver is maintenance-free.

- 1) Always keep the device clean, dry and free of oil or grease.
- 2) Clean the device immediately after you have finished using it
- 3) Do not allow any liquids to enter the device. Use a cloth to clean the housing.
- 4) Never use petrol, solvents or cleaning agents that might attack plastic.

DISPOSAL



Do not dispose of electrical appliances with your domestic waste!

The packaging comprises exclusively environmentally- friendly material. Dispose of it in your local recycling containers.

GUARANTEE

This product is selected for DOMESTIC USE ONLY and not for business use. This product is guaranteed against manufacturing defects for a period of 12 months. This does not cover the product where the fault is due to misuse, abuse, use in contravention of the instructions, or where the product has been the subject of unauthorised modifications or alterations, or has been the subject of commercial use. In the event of a problem with the product within the guarantee period please contact the service centre for assistance on 08454 505299. If the item is shown to have an inherent defect present at the time of sale, you will be provided with a replacement. Your statutory rights remain unaffected.

Guarantor: Home Retail Group, MK9 2NW



EC Declaration of Conformity

Year of 1st Issue .
12

Argos Ltd

489-499 Avebury Boulevard
Saxon Gate West
Milton Keynes
Buckinghamshire
MK9 2NW

We hereby certify that the product stipulated above complies with all the relevant provisions of the following EC new approach directive/s.

This declaration of conformity is issued under the sole responsibility of the manufacturer

Type of Product: **18V Li-ion hammer drill**

Model Number: **KD703-T2180LI**

Cat / Article Number: 7114339

Product Description:

Photograph:

Voltage: 18 V
No load speed
1st gear: 0-350/min
2nd gear: 0-1250/min
Clutch position: 16+2
Max. Torque: 25N.m
Chuck capacity: 13mm
Max. Drilling capacity
Wood: 18mm
Steel: 8mm
Masonry: 13mm
Battery capacity: 1.5Ah Li-ion
Charger voltage: 100-240V~50/60Hz, 800mA
Output 23VDC, 1000mA
Charging time 1 hr



Applicable EC Directives		
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<input checked="" type="checkbox"/> 2006/42/EC (MD)	<input checked="" type="checkbox"/> 2004/108/EC (EMC)	<input type="checkbox"/> 1999/5/EC (R&TTE)
<input checked="" type="checkbox"/> 2006/95/EC (LVD)	<input type="checkbox"/> 2009/105/EC (Pressure)	<input type="checkbox"/> 2000/14/EC Annex , 2005/88/EC
<input type="checkbox"/> 2009/125/EC (ErP)	<input type="checkbox"/> 2009/48/EC (Toys)	L _{WA} = 86.1dB(A), L _{PA} = 72.1dB(A), K=3dB(A)
<input type="checkbox"/> 2009/142/EC (Gas)	<input type="checkbox"/> 89/106/EEC (Construction)	/ /EC (Others)

Applicable Harmonized Standards:	Report Date	Verification of conformity Certificate Notified Body
EN60745-1:2009 EN60745-1/A11:2010 EN60745-2-1: 2010 EN60745-2-2: 2010	2011.5.10	GS TUV
EN 55014-1: 2006+A1 EN 55014-2: 1997+A1+A2	2011.5.23	EMC TUV
EC Type approval certificate number		

Issued number: 1.0

Issued on : 2012-5-16

Signed :

Creator: Max Shi

Name : Roger Pantan-Kent

Position: QA

Position: Head of Quality Assurance

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