

# Challenge Xtreme 18V CORDLESS HAMMER DRILL

Assembly Manual-Original Instructions



## After Sales Support

**challenge**  
**xtreme**

UK/Ireland 0345 640 0800  
Web [WWW.ARGOS.CO.UK](http://WWW.ARGOS.CO.UK)

**Important** - Please read these instructions fully before starting assembly

These instructions contain important information that will help you get the best from your cordless hammer drill, ensuring it is assembled correctly and safely. If you need help or have damaged or missing parts, call the Customer Helpline on 0345 640 0800.

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# Safety Information

Important - Please read these instructions fully before starting assembly

## Warnings Symbols

The following warning symbols appear throughout this assembly manual and indicate the appropriate safety measures you should take when assembly and operating the cordless multi tool.



This symbol indicates there is a danger of serious personal injury or death if you do not observe the warning.



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



Wear eye protection.



Wear ear protection.



Wear dust mask.



Wear gloves.



Indoor use only.



Do not expose to rain or water.



Do not expose to rain or water.



# Safety Information

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## Warnings Symbols



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



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



Positive terminal.



Negative terminal.



The output plug is with positive center pole and negative outer pole.

# Safety Information

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## General 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 term “power tool” in the warnings refers to your mains-operated (corded) power tool or 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.*
- **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.*
- **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.*

# Safety Information

Important - Please read these instructions fully before starting assembly

## General Safety Warnings (continued)

- **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.*
- **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 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.*
- **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.*
- **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 the power tool for operations different from those intended could result in a hazardous situation.*

# Safety Information

Important - Please read these instructions fully before starting assembly

## General Safety Warnings (continued)

### 5) Battery tool use and care

#### a) Ensure the switch is in the off position before inserting battery pack.

Inserting the battery pack into power tools that have the switch on invites accidents.

#### b) 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.

#### c) Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.

#### d) 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.

#### e) 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.

## Drill Safety Warnings

1. **Use auxiliary handle(s), if supplied with the tool.** *Loss of control can cause personal injury.*

2. **Hold power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring.**

*Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could.*

# Safety Information

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## Safety Warnings for battery pack

- a) Do not dismantle, open or shred cells or battery pack.
- b) Do not short-circuit a battery pack. Do not store battery packs haphazardly in a box or drawer where they may short circuit each other or be short-circuited by conductive materials. 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.
- c) Do not expose battery pack to heat or fire. Avoid storage in direct sunlight.
- d) Do not subject battery pack to mechanical shock.
- e) In the event of battery leaking, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.
- f) Seek medical advice immediately if a cell or battery pack has been swallowed.
- g) Keep battery pack clean and dry.
- h) Wipe the battery pack terminals with a clean dry cloth if they become dirty.
- i) Battery pack needs to be charged before use. Always refer to this instruction and use the correct charging procedure.
- j) Do not maintain battery pack on charge when not in use.
- k) After extended periods of storage, it may be necessary to charge and discharge the battery pack several times to obtain maximum performance.
- l) Battery pack gives its best performance when it is operated at normal room temperature ( $20\text{ }^{\circ}\text{C} \pm 5\text{ }^{\circ}\text{C}$ ).
- m) When disposing of battery packs, keep battery packs of different electrochemical systems separate from each other.
- n) Recharge only with the charger specified by manufacturer. Do not use any charger other than that specifically provided for use with the equipment. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- o) Do not use any battery pack which is not designed for use with the equipment.
- p) Keep battery pack out of the reach of children.
- q) Retain the original product literature for future reference.
- r) Remove the battery from the equipment when not in use.
- s) Dispose of properly.



# Safety Information

**Important - Please read these instructions fully before starting assembly**

## General Safety Warnings for your Battery Charger

**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.**

*This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.*

## Additional safety instructions for your Battery Charger

1. Before charging, read the instructions.
2. After charging, disconnect the battery charger from the supply mains. Then remove the chassis connection and then the battery connection.
3. Do not charge a leaking battery.
4. Do not use chargers for works other than those for which they are designed.
5. Before charging, ensure your charger is matching the local AC supply.
6. For indoor use, or do not expose to rain.
7. The charging device must be protected from moisture.
8. Do not use the charging device in the open.
9. Do not short out the contacts of battery or charger.
10. Respect the polarity "+/-" when charging.
11. Do not open the unit and keep out of the reach of children.
12. Do not charge the batteries of other manufactures or ill-suited models.
13. Ensure that the connection between the battery charger and battery is correctly positioned and is not obstructed by foreign bodies.
14. Keep battery charger's slots are free of foreign objects and protect against dirt and humidity. Store in a dry and frost-free place.
15. When charging batteries, ensure that the battery charger is in a well-ventilated area and away from inflammable materials. Batteries can get hot during charging. Do not overcharge any batteries. Ensure that batteries and chargers are not left unsupervised during charging.
16. Do not recharge non-rechargeable batteries, as they can overheat and break.
17. Longer life and better performance can be obtained if the battery pack is charged when the air temperature is between 18 °C and 24 °C. Do not charge the battery pack in air temperatures below 4.5 °C, or above 40.5 °C. This is important as it can prevent serious damage to the battery pack.
18. Charge only battery pack of the same model provided by manufacturer and of models recommended by manufacturer.

# In the Box

## Parts

- ① Forward/reverse control
- ② Two –speed gear control
- ③ Torque adjustment /drill selection collar
- ④ Keyless chuck
- ⑤ Slight light
- ⑥ Variable speed trigger switch
- ⑦ Battery pack release button
- ⑧ Battery pack
- ⑨ Charger
- ⑩ Charger base
- ⑪ Auxiliary handle



# Intended Use

The machine is intended for drilling in wood, metal, masonry, ceramic, plastic, as well as for screwdriving purposes. This tool is intended for consumer use only.

## Recharging Batteries

### Note

Before using the tool, read the instruction book carefully.

### Charging your battery pack

**Warning:** The charger and battery pack are specifically designed to work together so do not attempt to use any other devices. Never insert or allow metallic objects into your charger or battery pack connections because an electrical failure and hazard will occur.

### Before using your cordless drill

Your battery pack is UNCHARGED and you must charge once before use. Your battery pack will not be fully charged until you have performed several charge and discharge operations by charging & working with your drill. After this your battery pack performance will improve.

### To charge the battery (See Fig. A1)

Insert the charger adapter (a) into a suitable mains socket and the red light (b) will illuminate. Insert the battery pack into the charger base (d). The green light (c) will on and the red light (b) will remain on. A discharged battery at normal ambient temperature will take approximately 3-5 hours to reach full charge. When charging is complete, unplug the charger and remove the battery pack.

**Note:**

The charger will not automatically switch off when the battery is full charged. Both the green light and the red light indicator will remain on. Do not leave your battery on charge continuously. This may damage the battery cells.

**Do not charge the battery for more than 10 hours.**

**WARNING:** After long usage the battery will become hot. Let the hot battery cool down for at least 0.5 hour before recharging.

# Recharging Batteries

To charge the battery(See Fig. A1)

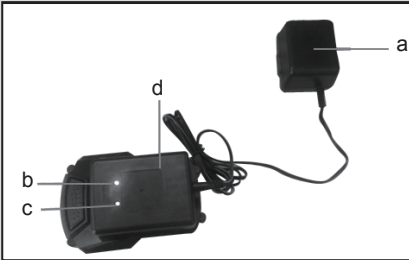


Fig.A1

To remove or install battery pack(See Fig. B1&B2)

Lock switch trigger on your tool by setting the forward/reverse control in the centre position.

To remove the battery pack from the tool, firmly press and hold in the battery pack release button and slide the battery pack out of the tool.

To install the battery pack, align the raised ribs on battery pack with the grooves inside the tool, slide the battery pack fully onto the tool until the battery pack “clicks” into position.

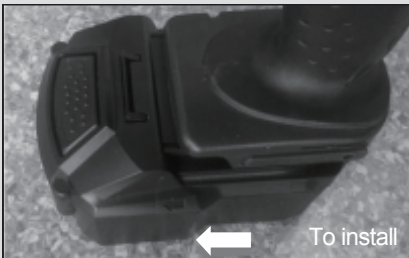


Fig.B1



Fig.B2

# Operation Instructions

## On/Off switch

Depress to start and release to stop your drill.



It is also a variable speed switch that delivers higher speed and torque with increased trigger pressure. Speed is controlled by the amount of switch trigger depression.

**Warning:** Do not operate for long periods at low speed because excess heat will be produced internally.

## Switch lock

The switch trigger can be locked in the OFF position. This helps to reduce the possibility of accidental starting when not in use. To lock the switch trigger, place the direction of Forward/Reverse rotating control in the center position by pushing the direction buttons on either side of the drill.

## Reversible(See Fig. C1&C2)

For drilling and screw driving use forward rotation marked “” (lever is moved to the left). Only use reverse rotation marked “” (lever is moved to the right) to remove screws or release a jammed drill bit.

**Warning:** Never change the direction of rotation when the chuck is rotating, Wait until it has stopped.



Fig.C1



Fig.C2

# Operation Instructions

## Chuck adjustment (See Fig. D)

To open the chuck jaws rotate the front section of the chuck. Insert the drill bit between the chuck jaws and rotate the front section in the opposite direction. Ensure the drill bit is in the center of the chuck jaws. Finally, firmly rotate the front chuck section in the opposite directions. Your drill bit is now clamped in the chuck.

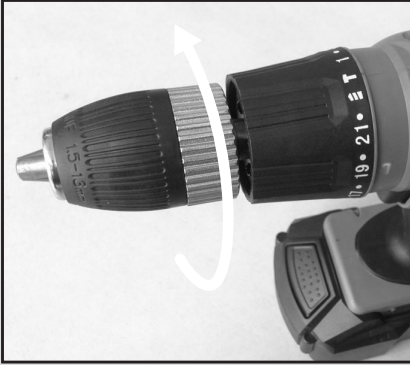


Fig.D

## Fitting and removing screwdriver bits(See Fig. E)

To use any short screwdriver bit supplied, insert the bit into the bit holder and push the holder into the chuck as far as possible. To remove the bit, simply pull it out of the bit holder.

**NOTE:** Always use a bit holder when fitting the short bits.

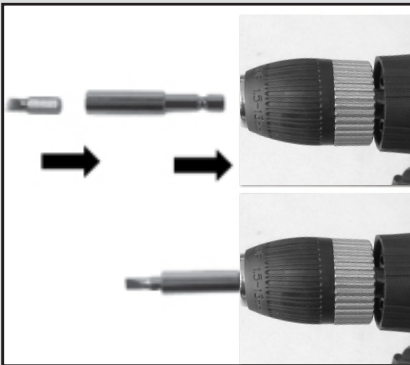


Fig.E

# Operation Instructions

## Torque adjustment(See Fig. F)

(Screw driving force of your drill driver) The torque is adjusted by rotating the torque adjustment ring. The torque is greater when the torque adjustment ring is set on a higher setting. The torque is less when the torque adjustment ring is set on a lower setting. Make the setting as follows:

1 – 22 for driving I screws



for heavy drilling



for drilling in masonry



Fig.F

## Two-speed gear control (See Fig. G)

The drill has a two-speed gear control designed for drilling or driving at Low (mark is 1) or High (mark is 2) speeds. A slide switch is located on top of the drill to select either Low or High speed.

When using the drill in the Low speed range, the speed will decrease and the drill will have greater power and torque. When using the drill in the High speed range, the speed will increase and the drill will have less power and torque.

### **Gear I**

Low speed range: for screwdriving or working with large drilling diameter

### **Gear II**

High speed range: for working with small drilling diameter

**Note:** Please switch off the drill before switch the two-speed gear control or the drill may be damaged.

# Operation Instructions

## Two-speed gear control(See Fig. G)



Fig.G1



Fig.G2

## Auxiliary Handle (see Fig.H)





Fig H

Slide the handle into the drill, rotate the handle clockwise to release the metal circle if the circle is not big enough. Turn the handle to the desired angle. Rotate the handle anti-clockwise to tighten the handle.

## Drilling

When drilling hard smooth surfaces, use a center punch to mark the desired hole location. This will prevent the drill bit from slipping off center as the hole is started. Hold the tool firmly and place the tip of the bit at the point to be drilled. Depress the switch trigger to start the tool. Move the drill bit into the work-piece, applying only enough pressure to keep the bit drilling. Do not force or apply side pressure to elongate a hole.

When drilling in wood, metal and plastic choose the drill position .

When drilling in masonry choose the hammer position . Auxiliary handle can be used to support hammer work.

**WARNING: When drilling in metal, only use HSS drill bits in good condition. Always use a magnetic bit holder when using short screwdriver bits. When screw-driving, apply a small quantity of liquid soap or similar to the screw threads to ease insertion.**



# Operation Instructions

## Using the sight light (See Fig. H)

The sight light allows you to keep a clear view under less illuminated circumstances. To turn on the light simply press the on/off switch. When you release the on/off switch, the light will be off.

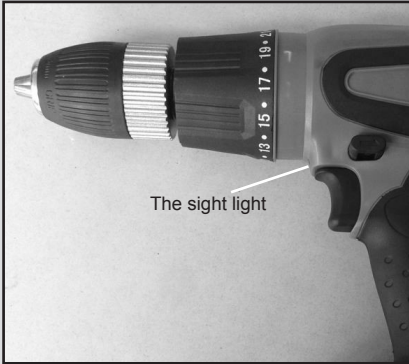


Fig.H

## Disposal of an exhausted battery



To preserve natural resources, please recycle or dispose of the battery pack properly. This battery pack contains nickel-cadmium batteries. Consult your local waste authority for information regarding available recycling and/or disposal options. Discharge your battery pack by operating your drill, then remove the battery pack from the drill housing and cover the battery pack connections with heavy duty adhesive tape to prevent short circuit and energy discharge. Do not attempt to open or remove any of the components.

# Maintenance

- Before any work on the machine itself remove the mains plug from the mains socket .
- For safe and proper working operation, always keep the machine and ventilation slots clean.
- Regularly check to see if any dust or foreign matter has entered the grills near the motor and around the on/off switch. Use a soft brush to remove any accumulated dust.
- Wear safety glasses to protect your eyes whilst cleaning.
- If the body of the tool needs cleaning, wipe it with a soft damp cloth. A mild detergent can be used but nothing like alcohol, petrol or other such cleaning agents.
- Never use caustic agents to clean plastic part.
- Lubricate all moving parts at regular intervals.



**CAUTION :** Water must never come into contact with the tool.

If the supply cord of this power tool is damaged, it must be replaced by a specially prepared cord available through the service organisation.

# Technical Data

Charger voltage	230-240V~,50Hz
Battery voltage	18Vd.c
Rated no load speed	0~350/0~1250 rpm
Max torque	20Nm
Number of clutch position	22+2
Chuck capacity	13mm
Max. drilling capacity	2-13mm
steel	8 mm
wood	16 mm
Masonry	13mm
Machine Weight	1.68Kg

# Noise Information

A weighted sound pressure level 73.59dB(A)

A weighted sound power level 84.59dB(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  $a_h = 1.18 \text{ m/s}^2$

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  $10^\circ\text{C}$  or less.

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

# Accessories

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

2 x 1.2 Ah Ni-Cd battery back

-1 x 3-5h charger

-3 x masonry drill bits 6 mm, 7 mm, 8 mm

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

# Disposal



To preserve natural resources, please recycle or dispose of the battery pack properly. This battery pack contains nickel-cadmium batteries. Consult your local waste authority for information regarding available recycling and/or disposal options. Discharge your battery pack by operating your drill, then remove the battery pack from the drill housing and cover the battery pack connections with heavy duty adhesive tape to prevent short circuit and energy discharge. Do not attempt to open or remove any of the components.

# 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 0345 640 0800. 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: Argos Limited, MK9 2NW

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