10.8V Li-ion cordless drill driver

Stock Code: V6505

INSTRUCTION MANUAL & SAFETY GUIDE

2 YR GUARANTEE

DK Tools Ltd
Units 1 & 2 Northpoint Business Centre, Horton Road, West Drayton, Middlesex, UB7 8EQ
www.amtechdiy.com

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. PLEASE NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS AND CAUTIONS. USE THIS PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY. PLEASE KEEP THE INSTRUCTIONS SAFE FOR FUTURE USE.

10.8V LI-ION CORDLESS DRILL DRIVER

Stock Code: V6505

SPECIFICATIONS:

Battery voltage:.....10.8V
Battery:..... Li-ion 1300mAh
Two speed..... 0-350/0-1300rpm
17 torque settings + 1 drill
Maximum torque: 20Nm
Keyless chuck: 0.8-10mm
Forward/reverse function
Integral LED work light

Protection class:..... II

Charger

Input:100-240V~50-60Hz 15W
Output:13.5V 400mA
Charge time: 3-5 hours

Sound and vibration information:

Sound pressure LPA:..... 66.57dB(A)
Sound power LWA:..... 77.57dB(A)
Uncertainty K:..... 3dB(A)
Weight vibration ah:..... 2.069m/s²
Uncertainty K:..... 1.5m/s²

The sound intensity level for the operator may exceed 85dB(A) and sound protection measures are necessary. As part of our ongoing product development, specifications of Amtech products may alter without notice.

CONTENTS:

1 x 10.8V Li-ion cordless drill driver, 1 x Li-ion 1300mAh battery, 1 x charger

UNPACKING: When unpacking, make sure the item is intact and undamaged.

WARNING: Always wear ear protection where the sound level exceeds 85dB(A) and limit the time of exposure if necessary. If sound levels are uncomfortable, even the ear protection, stop using the tool immediately and check the ear protection is correctly fitted and provides the correct level of sound attenuation for the level of sound produced by your tool.

WARNING: User exposure to tool vibration can result in loss of sense of touch, numbness, tingling and reduced ability to grip. Long term exposure can lead to a chronic condition. If necessary, limit the length of time exposed to vibration and use anti-vibration gloves. Do not operate the tool with hands below a normal comfortable temperature, as vibration will have a greater effect. Use the figures provided in the specification relating to vibration to calculate the duration and frequency of operating the tool.

Sound and vibration levels in the specification are determined according to EN60745 or similar international standards. The figures represent normal use for the tool in normal working conditions. A poorly maintained, incorrectly assembled, or misused tool, may provide increased levels of noise and vibration. The following website www.osha.europe.eu provides information on sound and vibration levels in the workplace that may be useful to domestic users who use tools for long periods of time.

GENERAL SAFETY:

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.

WARNING:

This appliance is not intended for use by persons (including children) with reduced, physical or mental capabilities or lack of experience or knowledge unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children must be supervised to ensure that they do not play with the appliance. Save all warnings and instructions for future reference.

GENERAL SAFETY (CONTINUED):
The term "power tool" in the warnings refers to your (cordless) power tool.

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 power tools. Distractions can cause you to lose control.
- Never leave power tools unattended.

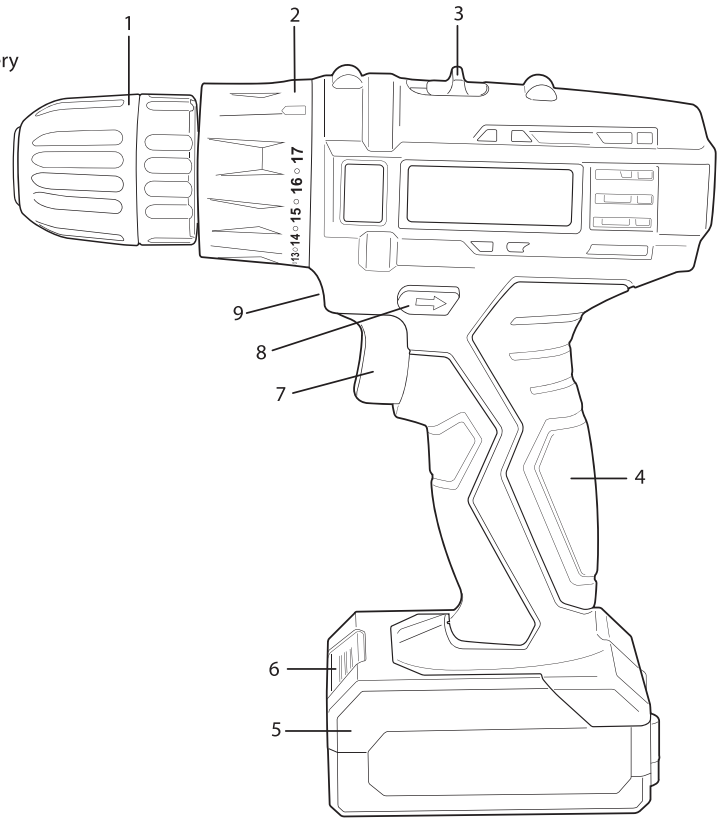
PERSONAL SAFETY:
- Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury
- Use 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 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.

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 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.
- Store the power tool in a dry, safe location out of the reach of children.

SERVICE:
Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the adequate safety of operation of the tool.

PRODUCT DETAILS:

1. 10mm keyless chuck
2. Torque settings
3. Two speed selection switch
4. Comfort TPR grip handle
5. 10.8V Li-ion 1300mAh battery
6. Battery release button
7. Variable speed trigger
8. Forward/reverse switch
9. Integral LED work light



BATTERY:

Battery storage

In order to prolong the life of the battery, it must be stored correctly. The battery must be stored between 0 and 30°C, at the relative humidity of 50%.

Fitting the Battery

- Ensure the battery has adequate charge. The red LED will indicate if the voltage is low.
- Insert the battery into the handle grip.

Removing the Battery

- Press in and hold the Battery Release button (6) then carefully take out the battery.
- The battery can now be inserted into the battery charger to charge.

Charging of the batteries

Attention! Before loading, it is required to disconnect the charger charging dock from the mains removing the plug of the charger from the mains socket. Furthermore, it is required to clean the battery and its contacts, removing dirt and dust with a soft and dry cloth.

- Disconnect the battery from the tool.
- Connect the plug of the charger to the battery socket.
- Connect the charger to the mains socket.

It is required to remove the plug of the charger from the mains socket, and disconnect the plug of the charger from the battery. When fully charged, the charger LED indicator will change to green.

PREPARATION FOR WORK:
Before work:
- Secure the material to be processed in a suitable clamp or vice.
- Use drill bits which are suitable for the job to be done. Make sure they are sharp and in good condition.
- Wear protective clothes as well as eye and hearing protectors.

PREPARATION FOR WORK:
Before work:
- Secure the material to be processed in a suitable clamp or vice.
- Use drill bits which are suitable for the job to be done. Make sure they are sharp and in good condition.
- Wear protective clothes as well as eye and hearing protectors.

Hold the drill securely and adopt a stable and secure position. Turn the drill on by pressing the variable speed trigger (7).
Attention! If suspicious noises are detected during operation, the tool must be immediately turned off and the battery removed.

Torque control
Note: This cordless drill is equipped with a torque control clutch allowing the machine to be set to the correct torque for the individual application.
• The clutch settings are indicated by the symbols on the Torque Selector (2).
• Rotate the Torque Selector to select the desired setting: the higher the number displayed on the Torque Selector ring, the higher the torque produced by the tool.
• For drilling, select the drilling mode on the Torque Selector (drilling icon).

Installation of drill bits in the drill chuck
Select a suitable drill bit for the application.
Place the drill bit in the chuck. Hold the rear part of the chuck with one hand and tighten the front part of the chuck with another hand until the drill bit is secured. Select the correct torque.

Installation of screwdriver bits in the drill chuck
Place a magnetic bit holder in the drill chuck and install a suitable screwdriver bit.

USING THE CORDLESS DRILL
Attention! Use hearing protection while using the tool!
Using right or left rotation
The direction of the drill can be selected using the forward/reverse switch (7).
The right rotation should be used while drilling with common drill bits.
The left rotation should be used if the drill bit is seized in the material.

Drilling in wood
Before making a hole it is recommended to secure the material with a clamp or vice, and then to mark the point to be drilled with a pencil or nail. Secure a suitable drill bit in the drill chuck, adjust the torque, connect the tool to the battery and start drilling. In case of making holes through the material, it is recommended to place a wooden pad under the material, so as to avoid fraying of the edge of the hole. In case of making holes of large diameters it is recommended to drill a smaller guiding hole first.

Drilling in metals
Always secure the material to be processed. In case of thin sheet it is recommended to place it on a wooden pad so as to avoid undesired bends, etc. Then mark the points to be drilled with a centre punch and start drilling. Use drill bits for steel. In case drilling is done in white cast iron, it is recommended to use sintered carbide drill bits.
In case of making holes of large diameters it is recommended to drill first a smaller guiding hole.
In case of drilling in steel, cool the drill bit with machine oil.
In case of drilling in aluminium, cool the drill bit with turpentine or paraffin.
In case of drilling in brass, copper or cast iron, do not use cooling agents. In order to cool the drill bit, it should be often removed from the material.

Drilling in soft bricks
Use appropriate drill bits. During drilling press the tool with constant force. Remove the drill bit from the hole being drilled from time to time, in order to remove dust and waste.

Using the cordless drill to screw bolts in and out
It is recommended to use the lowest rotation and adequate bits.
Bits may be installed directly in the drill chuck or with a special magnetic bit holder. In order to unscrew a bolt select the left rotation.

Using attachments
The tool must not be used to power working attachments.

Accessories
Amtech offer a wide range of screwdriver bit and drill bits. Check with your local stockist or visit **www.amtechdiy.com/products**

Additional information
During work do not exert excessive pressure on the processed material and do not make violent moves, so as to avoid any damage to the tool and the drill. Make regular breaks during work. Do not overstress the tool. The temperature of the external surfaces must not exceed 600°C. Once the work has been concluded, turn the drill off, remove the battery and carry out maintenance tasks and inspection.

PLEASE NOTE:
Drilling in hard, compact materials (concrete, hard bricks, stone, marble, etc.) applies only to drills with hammer function.

STORAGE
• Store this tool and battery in a dry, secure place out of the reach of children

DISPOSAL
Always adhere to national regulations when disposing of power tools that are no longer functional and are not viable for repair.
• Do not dispose of power tools, or other waste electrical and electronic equipment (WEEE), with household waste.
• Contact your local waste disposal authority for information on the correct way to dispose of power tools.

WARRANTY TERMS & CONDITIONS
This Amtech product comes with a 2 year warranty. This warranty, and the warranty period, begins on the date of retail purchase as detailed on your sales receipt. If this product develops a fault within 30 days of purchase, return it to the stockist where it was purchased, with your receipt, stating details of the fault. If this product develops a fault after 30 days a warranty claim must be submitted. Your original receipt indicating the place and date of purchase must be submitted to validate the claim. We do not refund carriage. All products should be packaged carefully to prevent damage or injury during transportation. The replacement of the product will not extend, or renew the period of guarantee. Retained tools, or parts, for which a replacement has been issued, will become the property of DK Tools Ltd. The replacement of your product under this warranty provides benefits which are additional to, and do not affect, your statutory rights as a consumer. To request a warranty replacement, please submit a warranty claim form at **www.amtechdiy.com/warranty**

What is covered
The replacement of the product, once verified to the satisfaction of DK Tools, that the defect is due to faulty materials or workmanship. If any part is no longer available or out of manufacture, we may replace it with a functional replacement.

What is not covered
Normal wear and tear caused by use in accordance with the operating instructions e.g. blades, brushes, belts, bulbs, batteries etc. Accidental damage, faults caused by: improper use, abnormal environmental conditions, overloading, insufficient maintenance, careless operation or handling of the product. Use of the product for anything other than normal intended purposes. Change or modification of the product in any way. Defects caused by the use of parts or accessories which are not Amtech genuine components. Claims, other than the right to correction of faults with the product covered by these conditions. Slight deviations from the specification that do not affect the functionality of the product.

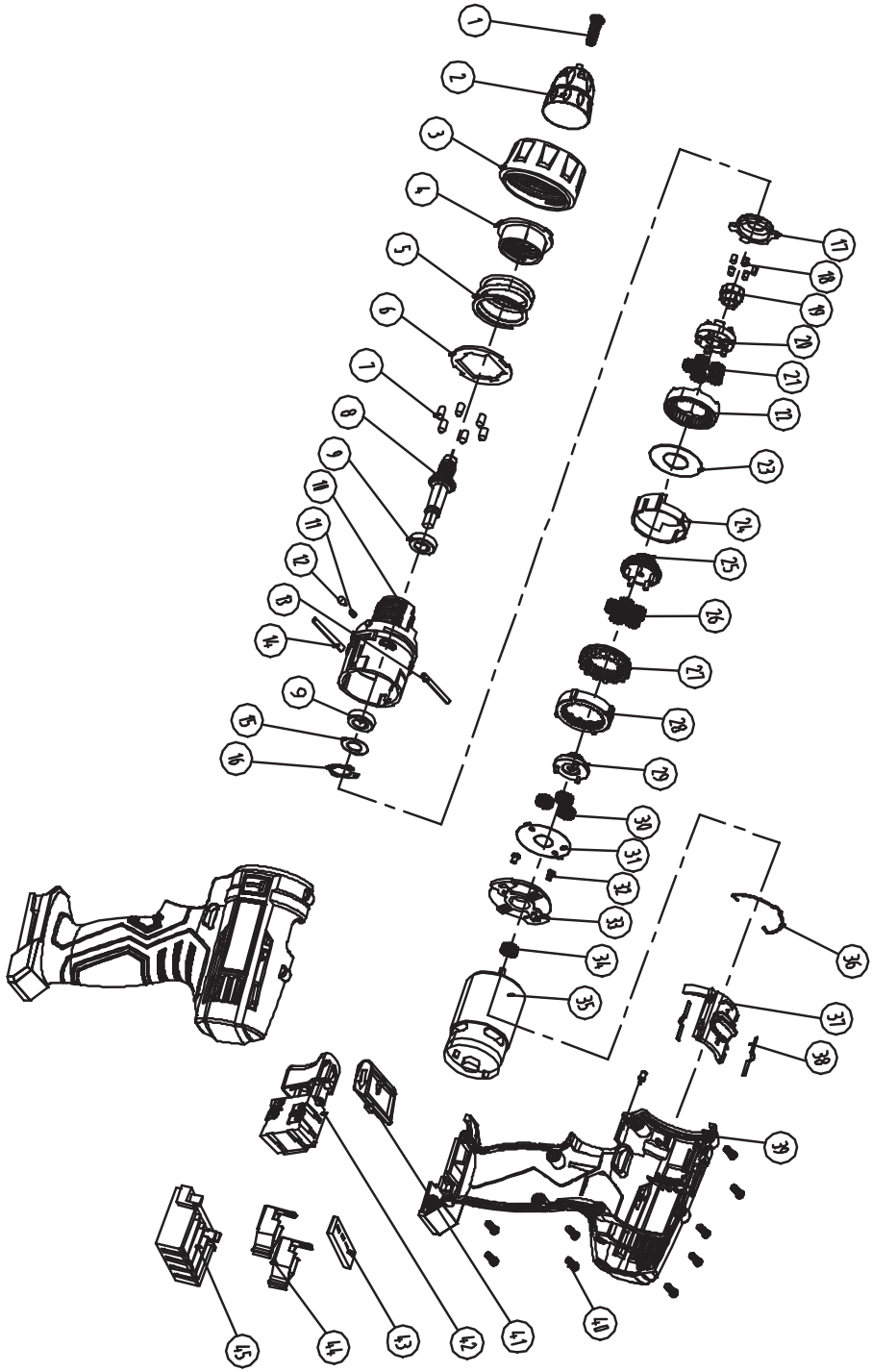
Please note:
The assembly drawing on page 7 is for information only to show the construction. This product does not contain any end user serviceable parts and spare parts are not available.

IMPORTANT WARNING:
Always wear suitable safety wear

WARNING:

Using tools can be dangerous. Always take care and keep away from children. Wear protective eyewear in work area at all times. Always wear work gloves. Select the correct type and size of tool for work/application.

IMPORTANT:
No liability is accepted for the incorrect use of the product. Whilst every effort has been made to ensure accuracy of information contained in this manual the DK Tools Ltd policy of continuous improvement determines the right to make modifications without prior warning.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Item No.	Part Name	Qty
1	Left hand screw	1
2	0.8-10mm keyless chuck	1
3	Torque	1
4	Torque control panel	1
5	Torque spring	1
6	Torque chip	1
7	Liquid needle	1
8	Output axis	1
9	Oil axel sleeve	1
10	Gear box body	1
11	Teeth fork spring	1
12	Teeth fork	1
13	Stop shaft 1	1
14	Stop shaft 2	1
15	Output shaft pad	1
16	Output shaft bracket	1
17	Arresting disc	1
18	Self locking lock	5
19	Since lock block	1
20	Tertiary planet carrier	1
21	Tertiary planet wheel	5
22	Internal tooth mouth	1
23	Spacer (middle layer)	1
24	Gear lock inner sleeve	1
25	Secondary planet carrier	1
26	Secondary planet wheel	5
27	Pull tooth mouth	1
28	Compensation tooth mouth	1
29	Level of planet carrier	1
30	Level of planet wheel	3
31	Motor spacer gasket plate	1
32	Motor screw M3	2
33	Motor cover plate	1
34	106 motor gear	1
35	Motor	1
36	On/off switch wire	1
37	On/off switch	1
38	Switch gaskets	2
39	Outer case	2
40	Cross head drilling screw	9
41	Positive & negative push rod	1
42	Switch	1
43	Thrust angle seat cover	1
44	Plug pin	2
45	Under seat cover	1

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EC Declaration of Conformity

In accordance with EN ISO 17050-1:2010

We, DK Tools Ltd
of Units 1&2 Northpoint Business Centre
Horton Road
West Drayton
Middlesex
UB7 8EQ

in accordance to the following Regulations & Directives:

2006/42/EC	The Machinery Directive
2014/35/EU	The Low Voltage Directive
2014/30/EU	The Electromagnetic Compatibility Directive
2011/65/EU	The Restriction of Hazardous Substances Directive
2012/19/EU	The WEEE Directive
SI 2008/1597	Supply of Machinery (Safety) Regulations 2008

hereby declare that:

Equipment	10.8V Li-ion cordless drill driver
Model number	D018
Stock code	V6505

is in conformity with the applicable requirements of the following documents

Ref. No.

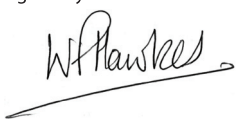
EN60745-1:2009+A11:2010	EN61000-3-2:2014
EN60745-2-1:2010	EN61000-3-3:2013
EN60745-2-2:2010	AfPS GS 2014:01
EK9-BE-88:2014	EN 55014-1:2006+A1:2009+A2:2011
EN 55014-2:2015	AfPS GS 2014:01 PAK

Sound & vibration Information:

Sound pressure LPA:..... 66.57dB(A)
Sound power LWA:..... 77.57dB(A)
Uncertainty K:..... 3dB(A)
Weight vibration ah:..... 2.069m/s²
Uncertainty K:..... 1.5m/s²

I hereby declare that the equipment named above has been designed to comply with the relevant sections of the above referenced specifications and is in accordance with the requirements of the Directives.

Signed by:



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Mr. P. Hawkes
Quality Assurance Manager
DK Tools Ltd

June 2017

The Technical File for the product is available on request from the above named person or the operations director.