



User Manual

Original Instruction

WORKZONE®
TITANIUM+



55945
24V LITHIUM-ION
CORDLESS DRILL
WITH HAMMER
ACTION &
2 X BATTERIES

Product
Info



+ VIDEO



www.powertoolsupport.com

Read all safety warnings and all instructions thoroughly before operating this product.

IM ed8; 02/2017

QR codes take you where you want to go quickly and easily

Whether you require product information, spare parts or accessories, details on warranties or aftersales service, or if you want to watch a product demonstration video, our QR codes will take you there in no time at all.

What is a QR code?

A QR-code (QR=Quick Response) is a type of matrix that can be read with a smartphone camera and that contains a link to a website or contact details, for example.

Advantage: You are not required to manually enter a website address or contact details.

How it works

To scan the QR code, all you need is a smartphone with QR codes reader software and an Internet connection*. This type of software can be downloaded for free from your smartphone's app store.

Try it out now

Just scan the QR code with your smartphone and find out more about the Aldi product you have purchased*.



* Depending on your tariff you may be charged for the connection.

For Know How Videos, click on the "Product Assistance" tab, then the "How To Product Videos" link.

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Pack contents / parts

Congratulations on the purchase of your Workzone® Titanium 24V Lithium-Ion Cordless Hammer Drill. When you open your packaging, first remove all items and check there are no parts damaged or missing. If you find anything wrong, do not operate the product until the parts have been replaced or the fault has been rectified. Failure to do so could result in serious personal injury.

NOTE: First time users or inexperienced operators pay particular attention to the operation of the Cordless Hammer Drill, including details of starting and stopping and correct use of the Cordless Hammer Drill on pages 16-19, as well as the maintenance instructions on pages 22.

Intended use of the 24V Lithium-Ion Cordless Hammer Drill

NOTE: This product is for private domestic DIY use only.

It is not suitable for commercial or trade use.

This drill/driver is mainly used for drill/driving in wood or metal sheet, hammer drilling into non aggregate concrete, and screwdriving. Use the tool and accessories only for intended applications.

Contents of carton

1 x 24V Lithium-Ion Hammer Drill/driver	1 x Side Belt Clip (fitted)
2 x 24V Lithium-Ion Batteries	1 x Carry Strap (fitted)
1 x Charger Adaptor	1 x Instruction manual
1 x Plug Pack Charger	1 x Warranty Card & Certificate
	1 x Quick Start Guide

Description of symbols

The instruction manual, rating plate, or on the product itself, may show these symbols. These represent important information about the product or instructions on its use.



Wear eye protection.
Wear ear protectors when impact drilling.
Exposure to noise can cause hearing loss.



Regulatory Compliance Mark. Appliance complies with requirements of electrical approval & EMC in Australia.



Read the instruction manual.



Waste electrical products should not be disposed of with household waste.



Li ion Battery recycle.



Ready for use in 3-5 Hours.



Caution/Warning:
Read all safety warnings and all instructions.



Indoor use.



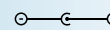
1A Fuse.



Double Insulation. There are two independent barriers of insulation to protect you from the possibility of electric shock.



MEPS.



Polarity.



36 Month Warranty Period.



Direct Current.



Do not crush, disassemble, short terminals or dispose in fire; there is a risk of burns explosion or fire



Do not put in water



Do not charge the battery pack if the ambient temperature is less than 0°C or greater than 45°C.

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

- a. Keep work area clean and well lit.** Cluttered and 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.

General safety warnings

- 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 dust masks, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce the risk of 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, clothing and gloves 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 these devices can reduce dust related hazards.

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.

General safety warnings

- 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 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.
 - 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. 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.
- 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.

General safety warnings

- 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.
- 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.
- 7. General safety information for battery-powered drill/drivers.**
- Drill safety warnings:**
- Wear ear protectors when impact drilling.** Exposure to noise can cause hearing loss.
- Use auxiliary handle(s), if supplied with the tool.** Loss of control can cause personal injury.
- 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 give the operator an electric shock.
- Hold power tool by insulated gripping surfaces, when performing an operation where the fastener may contact hidden wiring.** Fasteners contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.
- 8. Safety notes for battery/charger.**
- a. **Keep the charger away from rain or damp conditions.** Water entering into the charger will increase the risk of an electrical shock.
 - b. **Only use chargers recommended by the manufacturer to recharge the battery.** There is a risk of fire if it is used with other batteries.
 - c. **Never use to recharge third-party batteries.** The charger is only designed to charge the supplied batteries (Li-Ion) using the voltages specified in the Technical Data. Otherwise there is a risk of fire or explosion.

- d. **Keep the charger clean.** Contamination will increase the risk of an electrical shock.
- e. **Check the charger, cable and plug each time you use the unit.** Do not use the charger if you find any damage. Never open the charger up yourself, have it repaired by a qualified specialist only and with original replacement parts. A damaged charger, cable or plug will increase the risk of an electrical shock.
- f. **Never operate the charger on a surface that will burn easily (for example, paper, textiles etc) or in a flammable environment.** There is a risk of fire occurring as a result of the heat generated during the charging process.
- g. **Fluid can escape from the battery when used incorrectly.** Avoid all contact with this. In the event of accidental contact, rinse with water. If liquid should get into the eyes, get medical assistance. Battery fluid may result in skin irritations and burns.
- h. **Do not open the battery.** There is a risk of short-circuiting.
- i. **Protect the battery from heat, for example, from constant sun and fire.** There is a risk of explosion.
- j. **Never short circuit the battery.** There is a risk of explosion.
- k. **In the event of damage and incorrect use, vapours may come out of the battery.** Ensure your work space is well ventilated with fresh air and, if you have any symptoms, consult a doctor. These vapours may irritate the respiratory system.

Safety rules for cordless drill/driver

- a) **Hold tool by insulated gripping surfaces when performing an operation where the drill/driver bits may contact hidden wiring or its own cord.** Contact with a “live” wire will make exposed metal parts of the tool “live” and shock the operator.
- b) **Always wear safety goggles or eye protection when using this tool.** Use a dust mask or respirator for applications which generate dust.
- c) **Secure the material being drill/drivered.** Never hold it in your hand or across legs. Unstable support can cause the drill/driver bit to bind causing loss of control and injury.
- d) **Position yourself to avoid being caught between the tool or side handle and walls or posts.** Should the bit become bound or jammed in the work, the reaction torque of the tool could crush your hand or leg.

- e) **If the bit becomes bound in the workpiece, release the trigger immediately, reverse** the direction of rotation and slowly squeeze the trigger to back out the bit. Be ready for a strong reaction torque. The drill/driver body will tend to twist in the opposite direction as the drill/driver bit is rotating.
- f) **Do not grasp the tool or place your hands too close to the spinning chuck or drill/driver bit. Your hand may be lacerated.**
- g) **When installing a drill/driver bit, insert the shank of the bit well within the jaws of the chuck.** If the bit is not inserted deep enough, the grip of the jaws over the bit is reduced and the loss of control is increased.
- h) **Do not use dull or damaged bits and accessories.** Dull or damaged bits have a greater tendency to bind in the workpiece.
- i) **When removing the bit from the tool avoid contact** with skin and use proper protective gloves when grasping the bit or accessory. Accessories may be hot after prolonged use. Check to see that keys and adjusting wrenches are removed from the drill/driver before switching the tool on. Keys or wrenches can fly away at high velocity striking you or a bystander.
- j) **Do not run the drill/driver while carrying it at your side.** A spinning drill/driver bit could become entangled with clothing and injury may result.
WARNING! Some dust created by power sanding, sawing, grinding, drill/drivering, and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm.

Additional safety rules for charger & batteries

- a) **Use only the charger and batteries supplied in this pack.**
- b) **Protect the charger and battery pack against moisture including rain and high humidity.**
- c) **Always check that the power cord is correctly connected before using the charger.**
- d) **When you are not using the charger, remove the plug from the mains socket.** Do not pull the plug out by the power cord.
- e) **Handle the battery pack carefully.** Do not let it fall or be subject to impact.
- f) **Always remove the plug from the power socket before you clean or maintain the charger or battery pack.**
- g) **Do not charge the battery pack if the ambient temperature is less than 0°C or greater than 45°C.**
- h) **Do not short circuit the battery pack.** A short circuit gives rise to a heavy current causing overheating and the possibility of fire or explosion.
- i) **Do not connect a cable to the battery pack terminals.**
- j) **Make sure that no metal objects such as a nail, paper clip or coin finds its way into the charging socket.**
- k) **A damaged battery pack or one which no longer holds its charge must be disposed of in a special way and not placed for normal household rubbish collection.**
- l) **Never throw a battery pack into a fire or into water.**
- m) **Keep handles dry, clean and free from oil and grease. Slippery handles do not allow for safe handling and control of the tool in unexpected situations.**

NOTE: This unit may not be used by people (including children) with reduced physical, sensory or mental capacities, with a lack of experience and without the appropriate knowledge, unless they are supervised by someone who is responsible for their safety or have been instructed by such a person with regard to how the unit is to be operated.

Children should be supervised to ensure that they do not play with the device.



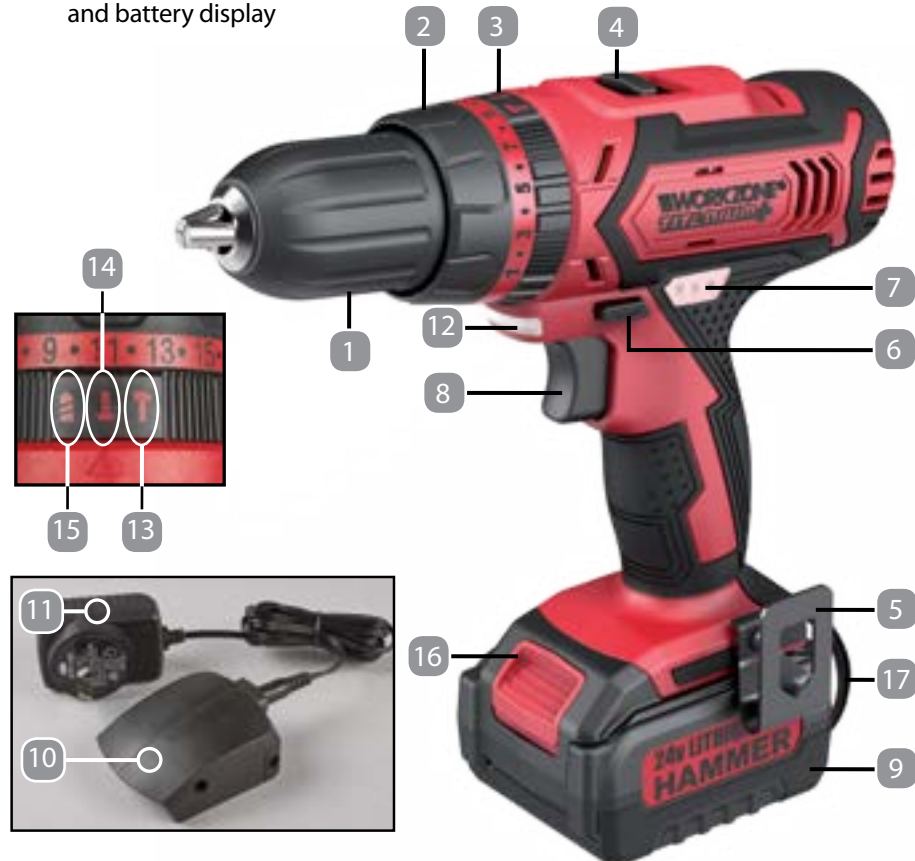
Wear eye protection.

Wear ear protectors when impact drilling.

Exposure to noise can cause hearing loss.

Parts List

1. Drill/Driver chuck
2. Torque setting/ collar
3. Function selection collar
4. Two speed high /low gear selector
5. Belt Clip
6. Forward/Reverse & Lock control/switch
7. Rechargeable battery display
8. Variable speed, On/Off trigger switch for drill, brake, light control, and battery display
9. Rechargeable battery
10. Charger Adaptor
11. Plug Pack Charger
12. LED work light
13. Hammer function symbol
14. Screw function symbol
15. Drill function symbol
16. Battery pack release
17. Carry Strap



Important information – Product care

This drill/driver uses Lithium Ion Battery Cells. Care **MUST** be taken to ensure both the safety and life of the pack is maintained. Ensure you have read all of the safety notes in the previous pages before using the drill/driver.

Treat the battery pack with care and within the guidelines of this manual. If the pack does become immersed in water or any fluids, or is subject to a severe drop or it does not operate within the guidelines of this manual, immediately **STOP** using the battery pack and have it checked.

During operation avoid overloading the drill/driver. If the drill/driver is overloaded it will automatically **STOP**. Overloading may occur for a number of reasons including when the drill/driver is pushed too hard or when using a drill/driver bit or attachment greater than what is specified. If you do overload the drill/driver during operation refer to the "Overload" section in this manual.

NOTE: When the battery of the drill/driver is at the lower end of the charge, the drill/driver is more susceptible to the overload condition.

Running the drill/driver at close to maximum load, or continual resetting of the overload will cause the battery pack to overheat. When a preset cell temperature is detected, the battery pack will automatically **STOP** operating and will not restart until the battery pack has cooled to a safe level.

In this condition, **DO NOT** force cool the pack by placing in a freezer or similar device. Refer to the "Overload" section in this manual.

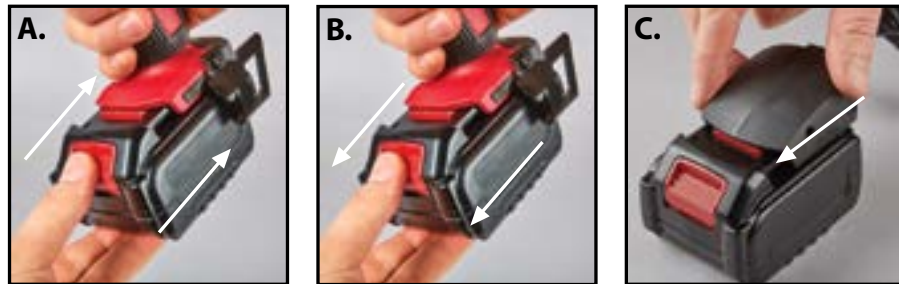
Another feature of the drill/driver/battery pack is the low voltage cut out feature. This feature operates when the voltage drops below a preset value. When this occurs the tool will automatically stop operating. To correct the situation you need to either insert another charged battery into the drill/driver or recharge the existing battery, and then proceed with the drill/driver application.

NOTE: Attempting to restart the tool in this condition without either recharging the battery or installing a battery with charge will lead to drill/driver restarting and then stopping again after only a few seconds of operation.

These safety devices have been fitted for the safety, reliability and life of the tool.

Fitting and removing the battery pack

1. To install the battery pack (9) to the tool, align the raised portion of the battery pack (9) with the grooves on the bottom of the drill/driver, and with your thumb on the battery release tab (16), slide it firmly into the handle until the battery is secure in position (Fig A). Release your thumb from the battery release tab (16).
2. To remove the battery pack from the tool, press the battery pack release button (16) and slide the battery pack completely out of tool handle (Fig B).
3. When applying the charger adaptor (10) onto the battery pack (9), slide the charger adaptor (10) onto the battery pack (9), whilst aligning the tabs on the battery pack (9) with the tabs on the charger adaptor (10) (Fig C).
The charger adaptor (10) will make a snap / click noise when it is securely aligned.
4. To remove the battery pack (9) from the charger adaptor (10), press the battery release button (16) and slide the charger adaptor backwards / outwards, opposite to the direction it was installed into the charger adaptor (10).



Battery charging

IMPORTANT. Before attempting to charge the battery, check the charger adaptor (10), plug pack charger (11), and the battery to ensure the charging equipment matches the battery supplied. The components are all labelled with component numbers.

Check the input voltage on the charger label and ensure the input voltage indicates 100-240V ac 50-60 Hz.

CAUTION! The rechargeable battery may not be fully charged on leaving the factory. Charge the rechargeable battery for approx 3-5 hours before first use, or until fully charged.

If the battery pack (9) does not accept a charge when first plugged in and connected, ie the red light does not come on, the battery pack is most likely fully charged from the factory.

In this case it is suggested to use or run the drill for a few minutes and then re-connect to the charger. The red charging light should come on showing the charging cycle is working correctly.

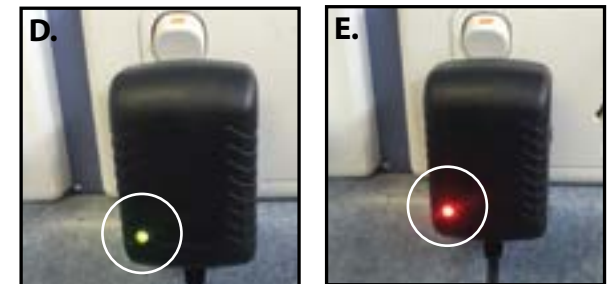
CAUTION! The working temperature of the charging operation is 0°C to 45°C.

1. Connect the power supply from the plug pack charger (11) to the charger adaptor (10) via plugging the plug from the plug pack charger (11) into the charger adaptor (10) housing.
Plug in the plug pack charger (11) and switch on at the power supply. The light on the plug pack charger (11) will highlight "green" to indicate there is power (Fig D).
2. Align the battery (9) with the charger adaptor (10). Insert the battery pack and slide it firmly into position (Fig C). The light on the plug pack charger will highlight "red" to indicate the battery is being charged (Fig E).

The battery will be ready for use up to approximately 3-5 hours.

When the battery is charged to the correct voltage the red changes to GREEN indicating the plug pack is still connected to the turned on power but is NOT charging

NOTE: The power to the charger should be turned off when unattended, with or without a battery inserted.



Rechargeable Battery Display

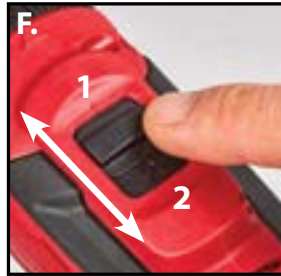
1. The rechargeable battery display (7) indicates the level of power left in the battery (9). To check the power of the battery, press on the trigger switch (8) to activate the drill, and the lights will be activated.
2. When all 3 lights are lit up, the battery is fully charged. When 2 lights are lit up, the battery is at approx 50-60%. When only 1 light is lit up, there is approx 20% power left in the battery (9).

2 Speed gearbox

The 2 Speed Gearbox allows you to select a gear with the optimum speed and torque to suit the application.

NOTE: When changing the two speed high / low gear selector (4), ensure the drill/driver is not operating.

1. To select the LOW gear (low speed, high torque setting), push the gear selector (4) backward, towards the back of the drill/driver. The number "1" will be displayed (Fig F).
2. To select the HIGH gear (high speed, low torque setting), push the gear selector (4) forward, towards the chuck. The number "2" will be displayed (Fig F).



The picture here shows the gear selector forward so the drill/driver is in High speed, with the number 2 displayed.

Using the drill/driver

Trigger switch

1. Use the forward/reverse switch (6) to select the direction of rotation (Fig G), then pull the trigger (8) (Fig H). This trigger switch is an electronic variable speed control which enables the user to vary the speed continuously. The speed varies according to how far the trigger switch is depressed. The further it is depressed the faster the chuck will rotate and the lighter it is depressed, the slower it will rotate.



2. To stop the drill/driver, release the trigger switch (8).

Note. The variable speed control fitted to this drill/driver is NOT intended to be used for long periods of time during the operation of the task being performed. Use the variable speed to start drill/driving and screwing tasks, and then fully depress the trigger once the task has started.

CAUTION. Extended use of the variable speed under load will overload and then permanently damage the speed control.

Forward/reverse switch

NOTE: You can only change the direction of rotation of the drill/driver using the forward/reverse switch (6) when the trigger (8) is NOT depressed.

This switch will allow you to change the direction of the motor while the trigger switch is not depressed.

1. To put in reverse mode, push in the forward/reverse switch on the side of the drill where the arrow on the switch is pointing to the rear end of the drill. The chuck will rotate in an anti-clockwise direction.
2. To put in forward mode, push in the forward/reverse switch on the side of the drill where the arrow on the switch is pointing to the front end of the drill. The chuck will rotate in a clockwise direction.

Drill/driving uses the forward mode. The reverse mode is intended for the removal of screws and assisting to remove jammed drill/driver bits.

Adjustable torque

This drill/driver is equipped with 25 torque settings plus 1 x drill setting, 1 x screw setting and 1 x hammer setting.

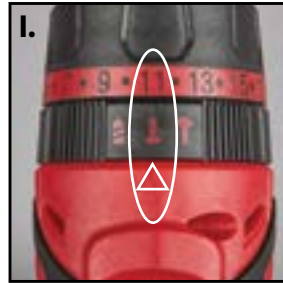
The torque settings are controlled and adjusted by the torque setting collar (2), but only affects the output when the screw function (14) is selected.

The screwdriving function (14), the drill function (15) and the hammer function (13) are all selected using the second collar, the function selection collar (3).



When using the drill/driver for screwdriving

1. Rotate the function selection collar (3) so to align the screw symbol with the triangular indicator on the top of the drill housing (Fig I). Function setting is screw function (14).
2. To adjust the torque setting, rotate the torque setting collar (2). The higher the number, the higher the output torque. Align the required torque setting number with the triangular indicator on the top of the drill (Fig I). Torque setting is 11.



Controlling the torque allows better control when applying screws in the screw function (14) and assists in the prevention of over tightening if the torque is correctly set.

For setting the torque position, always start off with a low torque setting and build up to the required higher torque setting after testing on a test piece first.

When using the drill/driver for drilling

1. When using the drilling function the torque control has no effect to the output of the drill. The drill function (15) is used to drill holes in metal, non ferrous material, wood, plastic and similar materials.
- Rotate the function selection collar (3) so the symbol of the drill bit aligns with the triangular indicator on the top of the drill housing (Fig J).



When using the drill/driver for hammer drilling

1. When using the hammer drilling function (13), the torque control has no effect to the output of the drill. The hammer drill function (13) is used to drill holes in non fired, and non aggregate, but cement based material or similar materials. The action of the hammer is for drilling and not for chiseling.



When fitting the drill bit, ensure to use a masonry drill bit suitably designed for the application.

Rotate the function selection collar (3) so the symbol of the hammer function (13) aligns with the triangular indicator on the top of the drill housing (Fig K).

Inserting and removing bits

This drill/driver has a keyless chuck, which means that a chuck key is not needed to secure a bit in the drill/driver.

1. Open the chuck (1) by unscrewing it in an anti-clockwise direction, holding the drill/driver as shown (Fig L).

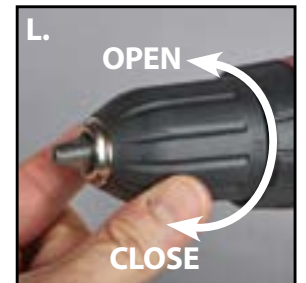
Do this sufficiently enough to allow the drill/driver bit to enter the jaws of the chuck.

2. Ensure the drill/driver bit is fully inserted, so that the chuck jaws grip the straight section of the bit.

Rotate the chuck clock-wise until the jaws tighten on the drill/driver bit. The collar of the chuck needs to be tightened firmly to ensure the drill/driver bit is held securely.

To remove the drill/driver bit, rotate sharply the chuck in an anti-clockwise direction, sufficiently enough to allow the drill/driver bit to be removed.

NOTE: This device is fitted with spindle lock and the chuck is a one handed operation.



Drill/driver Overload

This drill/driver is fitted with an overload protection. If the drill/driver is excessively forced, or the task being performed is too great for the drill/driver, the drill/driver will automatically go into an overload mode. When the drill/driver goes into overload, the drill/driver will automatically and suddenly STOP. To reset the overload, simply release the trigger. When the trigger is pressed again, the drill/driver will restart. Resume work after the overload has been reset, but reduce the load by using a smaller drill/driver bit or re-sharpen the existing drill/driver bit and reduce the amount of force placed on the drill/driver. If the drill/driver is set to High speed on the gear selector, consider changing to low speed selection.

CAUTION. Do not continue to overload the drill/driver and constantly reset the overload. Doing this will cause the battery cells to over heat.

Temperature cut out

If the drill/driver is constantly overloaded, or the drill/driver is used constantly at maximum rating in high ambient conditions, the battery cells may overheat causing the battery pack to shut down.

When this occurs you will need to allow the battery cells to cool.

NOTE: The drill/driver will not restart until the battery pack has cooled.

To reduce the temperature of the cells remove the battery pack from the drill/driver and place the battery pack in a free air environment, out of direct sunlight or any other heat source.

DO NOT force cool the pack in any way. Do not place in refrigerators or freezers.

When the battery pack has cooled down it can again be used to operate the drill/driver, as long as the load or the conditions causing the original excessive temperature has been corrected.

Low voltage cut out

The battery pack used on this tool is fitted with a low voltage cut out feature within the circuitry.

The low voltage cut out feature operates when the voltage drops below a preset value. This feature automatically stops the drill/driver from operating (similar to that of the overload condition). When this condition occurs you will need to either insert another battery into the drill/driver or recharge the existing battery.

The low voltage cut out feature has been added to maximise the life of the battery cells in the battery (9). When this occurs, recharge the battery pack by following the battery charging section in this manual.

NOTE: Attempting to restart the tool without either recharging the battery or installing another battery (with charge) will lead to drill/driver restarting and then stopping again, after only a few seconds of operation.

Drill/driving

Drill/driving metals

- Always clamp sheet metal.
- Support thin metal with a block of wood to avoid distorting it.
- Use a punch to mark the centre of the hole.
- Use a suitable lubricant for the material you are working on,

USE:

Oil

Turpentine or paraffin

Do not lubricate

Do not Lubricate

FOR:

Steel

Aluminium

Brass, copper or cast iron

Concrete based material

Drill/driving plastics and plastic coated chipboard

- Use high speed drill/driver bits
- See drill/driving wood below

Drill/driving wood

- Clamp a piece of scrap wood to the back of your work to prevent splintering.

Hammer drill operations.

- Where possible, use High speed.
- Select the hammer position on the function selection collar (3).
- Use drill bits specifically for masonry applications.
- Ensure to wear safety glasses.

All drill/driving operations

- Mark off the centre of the hole using a centre punch or nail (Do not use centre punch in Masonry applications).
- Don't force the drill/driver, let it work at its own pace
- Keep the drill/driver bit sharp.
- Reduce pressure, as the drill/driver is about to break through the item being drill/drived.

LED work light

When the unit is switched on, the LED work light (12) also comes on to ensure better vision and to make working in dark areas more safe. The working light goes out when the On/Off trigger (8) is released.

CAUTION! LED is laser class 1!

Do not look directly into the laser as this may result in damage to the eyes.

Chuck replacement

The chucks of reversible drill/drivers are always fixed by a screw with a left-hand thread. The screw, which is located in the centre of the chuck, must be removed before the chuck can be removed. To remove the screw, turn it in a clockwise direction. The chuck can now be removed by unscrewing it anti-clockwise. If you have trouble removing the chuck take the drill/driver to your nearest authorised service centre for chuck replacement.

CAUTION. Always ensure that the drill/driver is switched off and the battery pack is removed before making any adjustments.

Side Belt Clip

The belt clip (5) is used to assist to clip the tool to your waist belt while working.

Carry strap

A carry strap (17) is included on the drill and is already fitted for convenience.

Cleaning

Clean the case only with a damp cloth. DO NOT use solvents when cleaning plastic parts. Plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use a clean cloth to remove dirt, dust, oil, grease etc, then dry well.

Maintenance

To maintain capacity, recharge the battery every two months. Store only fully charged batteries.

They should therefore be recharged from time to time. The place of storage must be dry; the ambient temperature must not fall below 0°C or rise above 45°C.

CAUTION! Electrical and battery operated units that no longer work should not be disposed of in the household waste! They are to be collected separately, in accordance with your local waste disposal regulations.

ATTENTION! Batteries must be removed from battery powered tools and disposed of separately in accordance with relevant waste battery regulations.

Batteries must never be disposed of with domestic waste!

Please discard power tools no longer usable at a local collection point. Collection and disposal of packaging materials separately by types complying with local rules and regulations. For details, please contact your local council.

Warranty

Your new Workzone® Titanium 24V Lithium-Ion Cordless Drill will more than satisfy your expectations.

It has been manufactured under stringent Workzone® Quality Standards to meet superior performance criteria.

You will find your new 24V Lithium-Ion Cordless Drill easy and safe to operate, and, with proper care, it will give you many years of dependable service.

CAUTION. Carefully read through this entire instruction manual before using your new Workzone® Titanium 24V Lithium-Ion Cordless Drill.

Take special care to heed the Cautions and Warnings.

Your Workzone® Titanium 24V Lithium-Ion Cordless Drill has many features that will make your job faster and easier. Safety, performance, and dependability have been given top priority in the development of this 24V Lithium-Ion Cordless Drill, making it easy to maintain and operate.

Use only Workzone® Titanium replacement parts for your product. Non-conforming parts or modifications made to parts will void your warranty.

Environmental protection



Recycle unwanted materials instead of disposing of them as waste. All tools, hoses and packaging should be sorted, taken to the local recycling centre and disposed of in an environmentally safe way.

What your 3 year warranty means

Great care has gone into the manufacture of this product and it should therefore provide you with years of good service when used properly. In the event of product failure within its intended use over the course of the first 3 years after the date of purchase, we will remedy the problem as quickly as possible once it has been brought to our attention. In the unlikely event of such an occurrence, or if you require any information about the product please contact us via our after sales support services, details of which can be found in this manual and on the product itself.

After Sales Support TEL: 1800 909 909

Service Support

If you have any issues with the operation of your product, please call us on 1800 909 909 for advice, or email us at help@powertoolsupport.com

Accessories and After Sales Parts

The following accessories are available for purchase by visiting www.extrabattery.com.au or calling our customer service hotline on: 1800 909 909



1. 2024001-BAT - 24V
1.5Ah Battery (55945)



2. 2024001-CBA - 24V
Charger Adaptor
(55945)



3. IVP 2600-0450WS
Plug Pack Charger
(55945)

FAQ/Troubleshooting

Do I need to charge the battery before use?

Yes, New battery packs are shipped in a low charge condition and must be fully charged before use. It takes approximately 3-5 hours to fully charge your new battery.

Follow the full section "Battery Charging" in this manual on page 14-15.

Charging of batteries should not be undertaken casually. Through the charging cycle the condition of the battery pack should be monitored and the charge cycle turned off at completion or at the end of the recommended time.

How do I obtain the best life for the battery?

- Never allow the battery to run completely empty before recharging. The battery should be placed on charge whenever the battery is noticeably running down or the drill no longer performs a task it previously performed.
- Avoid allowing loose items like screws or nails etc. to be stored with battery packs as these or similar items can short battery packs and cause a fire or explosion.
- Always unplug the charger when not in use and store in a dry secure place.
- Avoid charging or storing your battery in temperatures below 0°C and above 45°C.

How do I use the 2 gears on the drill?

To select the LOW gear (low speed, high torque setting), push the gear selector backward, towards the back of the drill/driver. The number "1" will be displayed.

To select the HIGH gear (high speed, low torque setting), push the gear selector forward, towards the chuck. The number "2" will be displayed.

NOTE: The gears cannot be changed if the variable speed / on off trigger (8) is depressed.

How do I adjust the torque?

The torque function will only operate when the screw function (14) is selected by rotating the function selection collar (3) and aligning the screw symbol with the triangular indicator on the top of the drill.

To adjust the torque setting you rotate the torque collar (2). The higher the number, the higher the torque setting collar.

Controlling the torque allows for better control when using the drill/driver on specific add screwing tasks and assists in preventing over-fastening and over-tightening.

For setting the torque position, first select a low setting on the torque collar (2) and align the selected symbol with the triangular indicator on the top of the drill/driver.

Slowly increase the torque setting to the desired level. It is suggested to test the setting on scrap material first.

How do I select hammer function?

Rotate the function selection collar (3) until the Hammer symbol aligns with the triangular indicator.

How do I select drill function (Non Hammer)?

When using the drilling function the torque control has no effect to the output of the drill. The drill function (15) is used when using the drill to drill holes in metal, non ferrous material, wood, plastic and similar materials. Rotate the function selection collar (3) so the symbol of the drill bit (15) aligns with the triangular indicator on the top of the drill housing.

How do I select screw / driver function?

Rotate the function selection collar (3) so to align the screw symbol (14) with the triangular indicator on the top of the drill housing. To adjust the torque setting, rotate the torque setting collar (2). The higher the number, the higher the output torque. Align the required torque setting number with the triangular indicator on the top of the drill. Torque setting is 11.

What is the function of the Forward / Reverse switch?

This switch (6) will allow you to change the direction of the motor while the trigger switch is not depressed.

Drill/driving uses the forward mode. The reverse mode is intended for the removal of screws and assisting to remove jammed drill/driver bits.

What do I do if I have an issue with my drill?

If you have any issues with your drill/driver, please contact our Customer Service line on 1800 909 909.

Specifications

Motor:	24 V
Low speed:	n_0 -Lo = 0 – 400 min ⁻¹
High speed:	n_0 -Hi = 0 – 1550 min ⁻¹
Impact Frequency:	0-6,000 / 0-22,500 BPM
Drill/driver diam Ø:	- Wood 30 mm - Steel 13 mm - Non aggregate materials 13mm
Chuck:	13 mm Keyless
Battery 2024001-BAT:	24 V 1.5Ah/Li-Ion
Charger Adaptor:	Model: 2024001-CBA Input: 100-240V~ 50-60Hz 0.5A Output: 26.0 V , 0.45A
Plug Pack Charger:	Model#: IVP 2600-0450WS
Charging time:	Ready for use in 3-5 Hours
Product Dimensions:	220mm x 225mm x 75mm (L x W x H) (Drill/driver with battery pack fitted)

Your 24V Lithium-Ion Drill with Hammer Function product complies with the following Standards:

Certification	Standard	Directive
CE-MD&GS	EN 60745-1:2009+A11:2010; EN 60745-2-1:2010	Directive 2006/42/EC EN60745-2-2:2010
CE-EMC (Machine)	EN 55014-1:2006+A1+A2, EN 55014-2:2015	Directive 2014/30/EU
CE-EMC (Battery pack & Charger)	EN 55014-1:2006+A1+A2, EN 55014-2:2015, EN 61000-3-2:2014, EN 61000-3-3:2013	Directive 2014/30/EU
Variance	AS/NZS 60745.1:2009; AS/NZS 60745.2.1:2009 AS/NZS 60745.2.2:2009	

Charger:

Safety Report/s:	AS/NZS 60335.2.29 :2009 Inc A1-2 Certification SAA-141627-EA EMC EN55014-1+A1:2009+A2:2011 Meps AS/NZS4665.1:2005+A1:2009
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AFTER SALES SUPPORT



 1800 909 909 (toll free)

e-mail: help@powertoolsupport.com

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YEAR WARRANTY