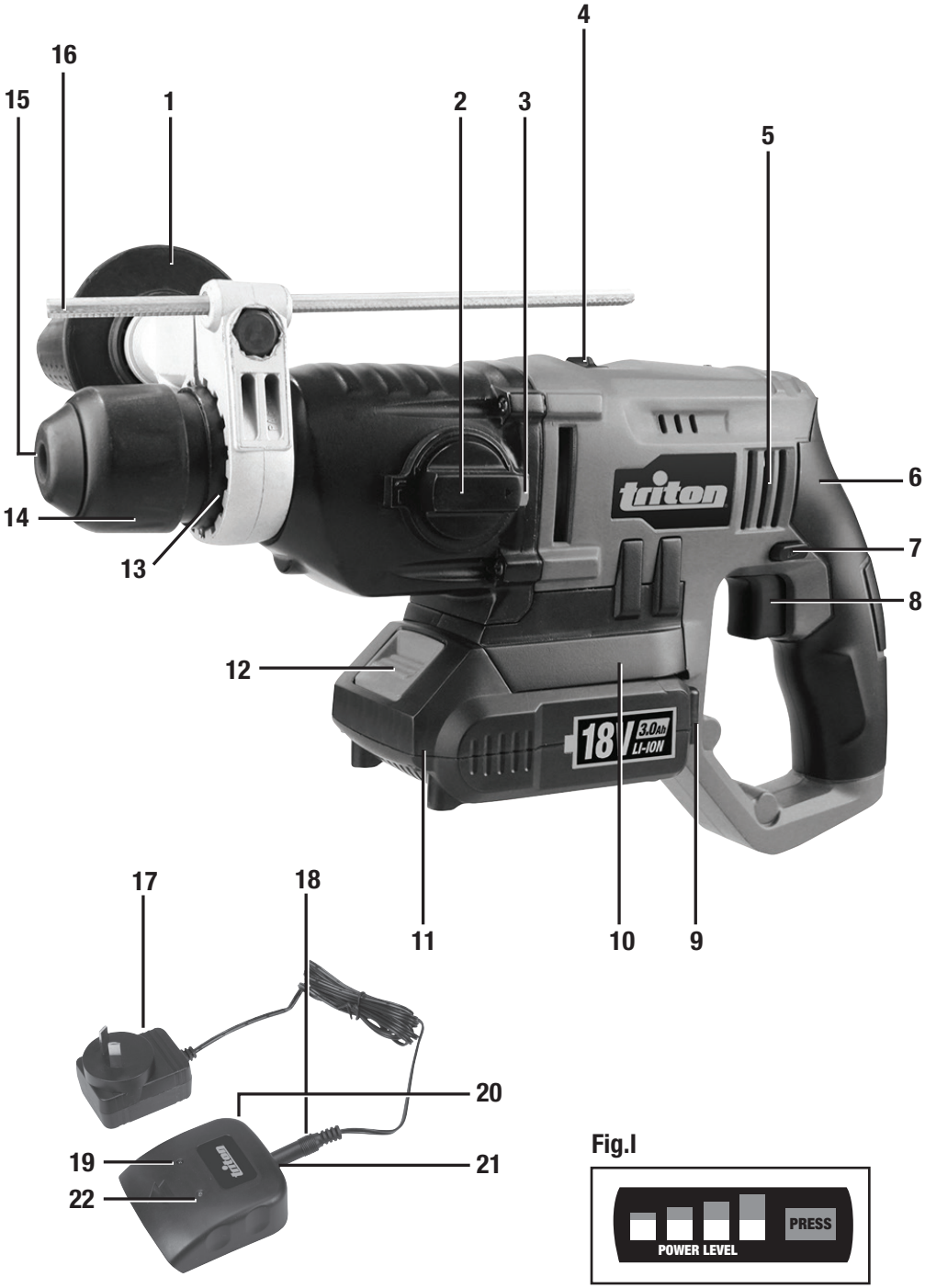
SDS Plus Hammer Drill

XT18SDSHD

XT18

BORN IN AUSTRALIA Est. 1976

tritontools.com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18V 3.0Ah LI-ION
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Fig.I

PRESS
POWER LEVEL

Thank you for purchasing this Triton tool. This manual contains information necessary for safe and effective operation of this product. This product has unique features and, even if you are familiar with similar products, it is necessary to read this manual carefully to ensure you fully understand the instructions. Ensure all users of the tool read and fully understand this manual.

Description of Symbols

	Wear hearing protection Wear eye protection Wear breathing protection Wear head protection
	Wear hand protection
	Read instruction manual
	Caution!
	Charger: Class II construction (double insulated for additional protection)
	Indoors use only (battery and battery charger)
	DO NOT incinerate batteries!
	Toxic fumes or gases!
	**Environmental Protection** Waste electrical products and batteries, including Li-Ion batteries, should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.
	Conforms to relevant legislation and safety standards.

Technical Abbreviations Key

V	Volts
~, AC	Alternating current
A, mA	Ampere, milli-Amp
n_0	No load speed
Ø	Diameter
°	Degrees
λ	Wavelength
Hz	Hertz
⎓, DC	Direct current
W, kW	Watt, kilowatt
/min or min^{-1}	Operations per minute
Ah	Amp hours (battery capacity)
dB (A)	Decibel sound level (A weighted)
m/s^2	Metres per second squared (vibration magnitude)

Specification

Model:	XT18SDSHD
Voltage:	18V
No load speed:	0-300/0-1000min^{-1}
Chuck:	SDS Plus
Impact rate:	0-5000bpm
Impact energy:	1.2J
Safety clutch (operates at or below):	25Nm
Max drilling capacity:	
- Masonry	Ø 20mm
- Wood	Ø 20mm*
- Steel	Ø 10mm*
Dimensions (L x W x H):	340 x 75 x 190mm
Weight:	2.1kg (including battery)
*Requires additional purchase of conventional chuck adaptor	
Battery	
Cell type:	Li-Ion
Voltage:	18V, DC
Capacities:	1.5Ah (XT15AHB), 2.0Ah (XT2AHB), 3.0Ah (XT3AHB) & 4.0Ah (XT4AHB)
Charging times (XT35C charger):	3-5hrs (1.5Ah & 2.0Ah), 5-7hrs (3.0Ah & 4.0Ah)
• Batteries supplied will vary depending on pack configuration	
Battery Charger PSU	
Model No:	XT35C
Input power:	230-240V~ 50/60Hz, 13W
Output power:	22.7V DC, 380mA
Protection class:	⧈
Length of power cord:	2m
Battery Charger	
Input Voltage:	22.7V DC
Output power:	14.4-18V DC
Battery Compatibility:	XT 18V
As part of our ongoing product development, specifications of Triton products may alter without notice.	
Sound and vibration information	
Sound Pressure L_{PA}:	89.4dB(A)
Sound Power L_{WA}:	100.4dB(A)
Uncertainty K:	3dB(A)
Weighted vibration a_h (main handle):	14.936m/s^2
a_h (auxiliary handle):	14.898m/s^2
Uncertainty K:	1.5m/s^2
The sound intensity level for the operator may exceed 85dB(A) and sound protection measures are necessary.	

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 with 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 produce increased levels of noise and vibration. **www.osha.europa.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.

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 or 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.*

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.*

g) *When used in Australia or New Zealand, it is recommended that this tool is ALWAYS supplied via Residual Current Device (RCD) with a rated residual current of 30mA or less.*

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 mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce 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 dust collection 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.*

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.*

d) Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact 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.*

Additional Safety for SDS Plus Drills

⚠ WARNING!

- **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 or its own cord.** *Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock*
- **If the replacement of the supply cord is necessary, this has to be done by the manufacturer or his agent in order to avoid a safety hazard.**
- **It is strongly recommended that the tool always be supplied via a residual current device with a rated residual current of 30 mA or less.**

IMPORTANT: If you suspect or discover asbestos is present in any area you are working seek professional advice immediately. *Removal of asbestos should be carried out by a licensed contractor. Contact the HSE in the UK (www.hse.gov.uk) or your national health and safety authority in your country for further information about dealing with asbestos. European Directive 2009/148/EC provides additional information related to exposure to asbestos at work.*

- **It is imperative to follow all national safety regulations concerning the type of work being undertaken**
- **Do not allow anyone under the age of 18 years to use this tool.** *Ensure that operators are qualified and familiar with the operating and safety instructions*
- **Masonry drilling or chiselling can create sharp particles that will impact the operator.** *Wear impact-resistant safety glasses and protective clothing, including safety boots*
- **Core drills should only be used with SDS drills featuring a safety clutch to prevent jamming which could cause an injury to the operator**
- **If the safety clutch operates during use, quickly release the trigger and remove the core drill or bit from the masonry surface being drilled.** *Do not continue work until the cause of the safety clutch operating is understood*
- **Do not operate SDS drills whilst up a ladder or in any location where there is a risk of falling.** *SDS drills are heavy and produce strong vibration and high torque in use*
- **Wear suitable protective anti-vibration gloves that are non-fabric or coated fabric to prevent loose strands of material catching in the rotating drill bit.** *Discard gloves immediately if material is visibly frayed*
- **Drilling can produce large volumes of dust and debris that may be toxic.** *Wear respiratory protection suitable for the work being undertaken. A minimum rating of FFP2 is recommended*
- **SDS drills produce high volumes of noise and suitable ear protection must be worn at all times while operating the tool**
- **SDS drills produce a very high level of vibration when operating in hammer or chisel mode.** *Frequent breaks are advised*
- **Only use SDS Chisels or Points with SDS drills that can disengage rotary drilling mode**
- **Use metal and voltage detectors to locate concealed electric, water or gas lines.** *Avoid touching live components or conductors*
- **Extension cable reels used with this tool must be completely unwound. Minimum conductor cross section: 1.25mm2**
- **Extension reels used outside should be designed for outdoor use and should feature water-protected sockets and correct cable insulation**

- **When using an SDS drill outdoors, an RCD device must be used either by connecting to a socket which incorporates an RCD, or through use of an inline RCD**
- **Ensure that the chisel or drill bit is securely fixed in the chuck before operating the tool.** *Insecure drill bits can be ejected from the machine, causing a hazard*
- **Ensure lighting is adequate**
- **Use both hands when operating this tool**
- **Do not place pressure on the tool.** *To do so could shorten its service life*
- **Drill bits become hot during operation.** *Allow to cool prior to handling*
- **If you are interrupted when operating the drill, complete the process and switch off before diverting your attention elsewhere**
- **Always disconnect the SDS drill from the electric supply before changing a chisel or drill bit**
- **Examine the SDS chuck regularly for signs of wear or damage.** *Have damaged parts repaired by a qualified service centre*
- **Always wait until the drill has come to a complete stop before placing it down**
- **On completion of the work, disconnect the tool from the power source and remove the chisel/bit from the machine**
- **Periodically check all nuts, bolts and other fixings and tighten where necessary**
- **Visibly check the tool after use, especially the power cable, which can be damaged by sharp masonry**
- **Always fit the dust guard to the bit in use to prevent damage from debris entering the SDS chuck**
- **If operating the tool causes discomfort in any way, stop immediately and review your method of use**

Additional Safety for Battery-Operated Drills

⚠ WARNING!

- **Use auxiliary handle(s), if supplied with the tool.** *Loss of control can cause personal injury.*
- **Hold power tools 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 give the operator an electric shock.*

a) **DO NOT allow anyone under the age of 18 years to use this tool.** *Ensure that operators are qualified and familiar with the operating and safety instructions.*

b) **Battery chargers are for indoors use only.** *Ensure that the power supply and charger are protected against moisture at all times.*

c) **When using the drill, use safety equipment including safety glasses or shield, ear defenders, and protective clothing including safety gloves.** *Wear respiratory protection suitable for the work being undertaken. A minimum rating of FFP2 is recommended. If operating the tool causes discomfort in any way, stop immediately and review your method of use.*

d) **Use metal and voltage detectors to locate concealed electric, water or gas lines.** *Avoid touching live components or conductors.*

e) **Ensure that the lighting is adequate.**

f) **Ensure that the drill bit is securely fixed in the chuck.** *Insecure drill bits can be ejected from the machine causing a hazard.*

g) **Ensure that the drill bit is not in contact with the workpiece prior to starting up the tool.**

h) **Before drilling, check that there is sufficient clearance for the drill bit under the workpiece.**

i) **DO NOT excert pressure on to the tool.** *To do so would shorten its service life.*

j) **Drill bits get hot during operation, allow to cool prior to handling them.**

k) **NEVER use your hands to remove sawdust, chips or waste close by the bit.**

l) **If you are interrupted when operating the drill, complete the process and switch off before looking up.**

m) **Where possible, use clamps or a vice to hold your work.**

n) **Examine the chuck regularly for signs of wear or damage.** *Have damaged parts repaired by a qualified service centre.*

o) **ALWAYS wait until the drill has come to a complete stop before putting it down.**

p) **Periodically check all nuts, bolts and other fixings and tighten where necessary.**

Battery Safety

⚠ **WARNING**: Li-Ion batteries, if incorrectly used, stored or charged are a fire, burn and explosion hazard.

- Keep the battery out of reach of children
- ONLY charge Li-Ion batteries using the charger provided or designed specifically for your product
- ONLY use Li-Ion batteries provided with a product or specifically designed to be compatible
- Allow batteries to cool for 15 minutes after charging or heavy use. Failure to follow these instructions may cause overheating or fire
- When not in use batteries should be stored at room temperature (approximately 20˚C)
- Ensure that battery contacts cannot accidentally short in storage. Keep batteries clean; foreign objects or dirt may cause a short. Keep away from other metal objects, for example, paperclips, coins, keys, nails and screws
- Under abusive conditions, liquid may be ejected from the battery. This liquid may cause skin irritation or burns. Avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, seek medical help
- DO NOT open, disassemble, crush, heat above 60°C or incinerate. Do not dispose of in fire or similar

Battery Charger Safety

Use the battery charger correctly

- Refer to the section of this manual relating to use of the battery charger before attempting to charge the battery.
- Do not attempt to use the charger with any batteries other than those supplied. Keep your battery charger clean; foreign objects or dirt may cause a short or block air vents. Failure to follow these instructions may cause overheating or fire
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard
- Examine the battery charger regularly for damage, especially the cord, plug and enclosure. If the battery charger is damaged, it must not be used until it has been repaired
- Children should be supervised to ensure that they do not play with the appliance

WARNING: DO NOT attempt to recharge non-rechargeable batteries.

Battery and charger safety features

The battery and charger are fitted with a number of safety features which may be triggered during charging or operation:

- Over-charge protection: Charger automatically switches off when the battery has reached full charge capacity, protecting the internal components of the battery
- Over-discharge protection: Prevents the battery from discharging beyond the recommended lowest safety voltage
- Over-heat protection: Sensor switches off if the battery becomes too hot during operation. This can happen if the tool is overloaded or being used for extended periods of time. Up to 30 minutes cooling time may be required depending on the ambient temperature

- Overload protection: Battery temporarily stops if it is overloaded or the maximum current draw is exceeded, protecting the internal components. The battery will resume normal operation when the current draw returns to a normal safe level. This may take a few seconds
- Short circuit protection: The battery will stop working immediately if a short circuit occurs, this prevents damage to the battery or tool

Product Familiarisation

1. Auxiliary Handle
2. Mode Selector
3. Mode Selector Release
4. Gear Switch
5. Motor Vents
6. Insulated Handle
7. Forward/Reverse Switch
8. Trigger
9. Battery Charge Indicator
10. Battery Slot
11. Battery
12. Battery Release
13. Auxiliary Handle Mounting
14. Chuck Collar
15. Chuck
16. Depth Stop
17. Charger PSU
18. PSU DC plug
19. Red LED
20. Battery Charger
21. Charger DC Socket
22. Green LED

Accessories (not shown):

- 4pce SDS Plus accessory kit

Note: This manual may be supplied with different package configurations including bare tools and supplied accessories may vary.

Intended Use

Portable light-duty battery-powered drill optimally designed for drilling masonry. Also capable of drilling wood and metal with the optional purchase of a standard chuck with SDS Plus connector.

Unpacking Your Tool

- Carefully unpack and inspect your new tool. Familiarise yourself with all its features and functions
- Ensure that all parts of the tool are present and in good condition. If any parts are missing or damaged, have such parts replaced before attempting to use this tool

Before Use

Removing a battery

- To remove the Battery (11) from the tool, press the Battery Release (12), then slide the Battery out of the Battery Slot (10)

WARNING: DO NOT try to remove the Battery without pressing the Battery Release button. The tool or Battery could be damaged.

Fitting a battery

1. To fit a charged battery, slide it on to the Battery Slot (10) of the tool until it clicks and locks into position

Note: Make sure the Battery and tool are lined up correctly. If the Battery does not slide into the tool easily, don't force it. Instead, slide the Battery out of the tool again, check the top of Battery and the tool battery slot are clean and undamaged and that the contacts are not bent.

Setting up the battery charger

1. Insert the PSU DC Plug (18) into the Charger DC Socket (21)
2. If fitted, remove any existing battery from the Battery Charger (20)
3. Insert the Charger PSU (17) into a suitable mains socket

Note: The Green LED (22) on the Battery Charger will flash to indicate that the charger is ready to charge the battery.

WARNING: Use this charger ONLY to charge the supplied battery or additional purchased batteries that are specifically designed for this tool.

WARNING: The charger is designed for indoor use only, and MUST NOT be used in damp or wet conditions.

Charging the battery

WARNING: Failure to follow the correct procedure when charging batteries will result in permanent damage.

1. Slide the Battery Charger (20) onto a fully or partially discharged Battery

Note: Make sure the Battery and Battery Charger are lined up correctly. If the Battery does not slide on to the Battery Charger easily, don't force it. Instead, remove the Battery, check the top of Battery and the Battery Charger slot are clean and undamaged and that the contacts are not bent.

2. Once charging commences, the Red LED (19) will illuminate
3. When the Battery is fully charged, the Green LED (22) will be illuminated

Battery Charge Level: The Battery has a built-in Battery Charge Indicator (9) (Fig. I). Pressing on the button to the right will indicate the charge level. The right LED indicates a high charge level and the left a low charge level that will mean the battery pack will require charging soon.

IMPORTANT: When a low charge level is indicated, the tool may stop operating while in use. In some instances this may be dangerous. Always ensure the battery pack has a good charge level.

Note: It is highly recommended to only use 3.0Ah and 4.0Ah batteries (XT3AHB & XT4AHB) with this tool due to the high current motor and safety issues with the battery fully discharging in use stopping the tool operating.

Notes about battery charging:

- The battery should be charged at ambient temperatures between 10 and 40°C (ideally around 20°C)
- After charging, allow 15 minutes for the battery to cool before use
- Ensure that the charger is disconnected from the mains supply after use, and is stored correctly
- DO NOT leave batteries on charge for extended periods and NEVER store batteries on charge
- The Battery Charger monitors battery temperature and voltage while charging. Remove the Battery once charging has been completed to maximise charge cycles of the battery and not waste power
- Batteries can become faulty over time, individual cells in the battery can fail and the battery could short. The charger will not charge faulty batteries. Use another battery, if possible, to check correct functionality of the charger and purchase a replacement battery if a faulty battery is indicated
- DO NOT store lithium-ion battery packs in a discharged state long term. This can damage the lithium-ion cells. For long-term storage, store batteries in a high charge state disconnected from the power tool
- The capacity of batteries will reduce over time. After 100 charge cycles, the battery's operation time and the maximum torque performance of the driver will slightly reduce. This decline will continue until the battery has minimal capacity after 500 charge cycles. This is normal and not a fault with the battery pack

Side handle

- The Auxiliary Handle (1) should always be used when drilling
- The Auxiliary Handle angle can be adjusted to best suit the work to be performed
- To adjust the Auxiliary Handle:

1. Rotate the grip anti-clockwise. This will loosen the handle assembly
2. Move the side handle to the required position
3. Secure in position by rotating the grip clockwise

Depth stop

1. Rotate the grip anti-clockwise. This will loosen the handle assembly
2. Move the Depth Stop (16) to the required position
3. Secure in position by rotating the grip clockwise

Operating the chuck

- This drill has a chuck designed for SDS Plus drill bits
- The SDS Plus system allows bits to be inserted with a simple push-fit action
- Always grease the tail end of SDS bits. Bits should be freshly greased and free from dirt and dust before use
- To insert a drill bit:

1. Pull back the Chuck Collar (14) and hold
2. Insert SDS Plus drill bit fully into the Chuck (15). Use a twisting motion to line up the grooves in the accessory
3. Release the Chuck Collar
4. The bit should now be locked into the machine. Check by pulling the bit; if the bit can be removed, repeat the above procedure until secure

- To remove a bit from the Chuck, pull the Chuck Collar back, and pull firmly on the drill bit

WARNING: Never fit any attachment with a maximum speed lower than the no load speed of the machine

Hammer selection

- The drill can be used in either hammer drill mode (for masonry work), or conventional rotary drill mode (for wood, metal, plastics etc) with the purchase of a standard chuck to SDS Plus adaptor
- To select hammer drilling mode, depress the Mode Selector Release (3) on the Mode Selector (2) and align the Mode Selector with the T
- To select rotary drilling mode, depress the button on the Mode Selector Release on the Mode Selector and align the Mode Selector with the symbol
- Do not attempt to move the Mode Selector whilst the drill is running

Operating Instructions

IMPORTANT: Put on all safety equipment required before you operate this drill

Trigger switch

- Always hold the drill firmly using both hands
- To start the drill, squeeze the Trigger (8)
- To stop the drill, release the Trigger

Selecting forward or reverse rotation

- The direction of the drill can be changed using the Forward/Reverse Switch (7) ←
- To run the drill in a clockwise direction, position the Forward/Reverse Switch on the left, adjacent to the forward symbol →
- To run the drill in an anti-clockwise direction, position the Forward/Reverse Switch on the right, adjacent to the reverse symbol
- Do not attempt to move the Forward/Reverse Switch whilst the drill is running
- Do not attempt to run the drill with the Forward/Reverse Switch in mid position

Speed Control

- The speed of the drill is controlled by the pressure applied to the Trigger (8). The further the Trigger is depressed the higher the speed

Gear selection

- Select gear 1 on the Gear Switch (4) for the low speed, high torque gear. Suitable for low speed drilling and driving screws and fasteners
- Select gear 2 on the Gear Switch for the high speed, low torque gear. Suitable only for high speed drilling

NOTE: ALWAYS read the documentation provided with drill bits and accessories for the recommended or maximum speed setting and use the most appropriate gear. See 'Specification' for the maximum no load speed of each gear.

Drilling concrete

- Using hammer drill mode, apply pressure to the rear of the drill, in line with the drill bit
- For efficient drilling, it is advisable to use TCT (tungsten carbide tipped) drill bits. Ensure that drill bit size is within the maximum capacity of the drill (see 'Specification')
- Do not apply too much pressure if debris blocks the drill hole. Run the drill slowly, and remove the bit from the hole. Repeat until hole is cleared

IMPORTANT: The following instructions relate to functions of the drill only available with the additional purchase of a standard chuck adaptor or bit holder adapter.

Using chuck adaptor

1. Insert standard chuck adaptor into Chuck (15)
2. Use rotary drill mode only
3. Fit drill bit into chuck and tighten securely
4. Make sure the drill bit runs centrally before use. If not, re-fit bit

Drilling wood

- Ensure that drill bits are suitable for wood, and are within the maximum capacity of this drill (see 'Specification')

Drilling metal

- To ensure accuracy, mark the intended hole position using a hammer and centre punch
- Ensure that drill bits are suitable for the grade of metal being drilled, and are within the maximum capacity of the drill (see 'Specification')
- To ensure efficient cutting, and prolong drill bit life, use a suitable lubricant or cutting fluid

Screwdriver use

1. Fit a ¼" bit to SDS Plus adaptor into the Chuck (15)
2. Select gear 1 using the Gear Switch (4)
3. Rotate the Mode Selector (2) to Drill

IMPORTANT: This drill is not optimally configured for driving screws and should only be used for driving screws partially into or out of material to speed up operation.

- Drive screws into material until the screw head is no less than 10mm above the material or the drill slows due to resistance. Ensure the tool motor and gearing is not under excessive strain
- Remove screws by first unscrewing by hand until only light resistance to turning is felt then fully remove with the drill

CAUTION

- Applying excess pressure does not result in faster or more efficient drilling. If the pressure applied to the drill has a noticeable effect on the speed of the drill then reduce the pressure. Overloading the drill will reduce its service life
- As the drill bit penetrates the material being drilled, it may 'catch' or 'snag'. This can cause the machine to suddenly 'kick', to prevent any possibility of injury always hold the drill securely, use the side handle, and use sharp drill bits

- Always ensure that material is secure. If appropriate use a vice or clamp to hold the work, always keep two hands on the drill

Accessories

- A range of accessories, including additional batteries, SDS Plus drill bits and adaptors are available from your Triton dealer. Spare parts can be purchased from your Triton dealer or online at www.toolsparesonline.com

Maintenance

WARNING: Remove battery from the tool before cleaning and maintenance operations.

Cleaning

- Keep your machine clean at all times. Dirt and dust will cause internal parts to wear quickly, and shorten the machine's service life. Clean the body of your machine with a soft brush, or dry cloth. If available, use clean, dry, compressed air to blow through the ventilation holes

Storage

- Store this tool and its accessories after use in its case, 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, batteries 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 and batteries

Troubleshooting

Problem	Possible cause	Solution
Red LED (17) does not illuminate and battery not charging	Battery not correctly inserted	Clean battery socket of charger
	Charger not powered	Recheck mains connection
Battery pack has low capacity	Battery not being fully charged	Charge the Battery until the Battery Charge Indicator (9) shows a full charge
	Battery pack has been charged over 100 times and capacity has started to reduce	This is normal for battery packs. Contact your Triton dealer to purchase a replacement battery pack
While core drilling, the core drill has locked/ jammed in the material	Excessive pressure on tool at the point of breakthrough in the material	Reduce pressure before breakthrough
	Hammer mode is on	Ensure hammer mode is off to prevent damage to cutting teeth and reduce possibility of jamming
	Core drill is not suitable for drill	Ensure the core drill max speed and diameter are compatible with the drill
	Large build-up of debris inside core drill while operating	Regularly empty this build-up of debris to ensure safe operation
Drill is uncomfortable to use due to vibration	Tool is being used for too long	Take frequent breaks and read the sections in this manual regarding vibration
Tool will not start	Trigger switch faulty	Contact an authorised service centre
	Faulty motor	Contact an authorised service centre
Slow rotation speed	Tool is overheating	Switch off the tool and let it cool down to room temperature. Inspect and clean the ventilation slots
	Internal moving parts excessively worn	Contact an authorised service centre
Drilling performance poor with masonry	Hammer mode not selected	Enable hammer mode
	Drill bit tip worn or damaged	Replace SDS Plus drill bit
	Very dense material	Drilling speed will be slow in such material. A smaller pilot drill can be drilled first to speed up the drilling process
Bits not fitting easily into SDS Plus Chuck (11)	Debris and dirt getting into chuck	Clean out chuck by facing downwards and vacuuming while operating the chuck as if to insert bits.

Warranty

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

This product is covered by a 36 month warranty.

This warranty will not apply:

(i) where this product has been subjected to misuse, abuse, accident or want of care;

(ii) where this product has been used for a purpose for which it was not designed or is not suited;

(iii) where the service of this product has been undertaken by a non-authorised person or company or if non-approved parts have been used;

(iv) where this product has been used for industrial purposes.

Should service become necessary during the warranty period, the purchaser should contact an Authorised Service Centre or White International. In order to obtain warranty service, the purchaser must present the store receipt showing the name of the retailer and the date of purchase.

The period of the warranty begins from the original date of purchase, notwithstanding any subsequent repair or parts replacement.

Purchaser shall be responsible for all transport charges to and from the Authorised Service Centre.

Damage in transit is not covered by this warranty. The purchaser should remove from the product any liquids (if applicable) before sending the tool for service or repair. The tool should be packed securely to prevent damage.

Warranty exclusions

Wear parts or service related parts required when performing normal and regular maintenance of this product are not covered by warranty unless it is found to be defective by an Authorised Service Centre. These include, but are not limited to: Blades

Distributed in Australia by White International.

PO Box 304 Milperra LPO, NSW Australia, 2214

Ph:1800 251 338

The White International Policy is one of continuous improvement and the company reserves the right to alter designs, colours and specifications without notice.

Guarantee

To register your guarantee visit our web site at www.tritontools.com* and enter your details.
Your details will be included on our mailing list (unless indicated otherwise) for information on future releases. Details provided will not be made available to any third party.

Purchase Record

Date of Purchase: ___ / ___ / ____

Model: XT18SDSHD

Serial Number: _____

(located on tool housing)

Retain your receipt as proof of purchase

Triton Precision Power Tools guarantees to the purchaser of this product that if any part proves to be defective due to faulty materials or workmanship within 3 YEARS from the date of original purchase, Triton will repair, or at its discretion replace, the faulty part free of charge.

This guarantee does not apply to commercial use nor does it extend to normal wear and tear or damage as a result of accident, abuse or misuse.

* Register online within 30 days.

Terms & conditions apply.

This does not affect your statutory rights


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