

XU1 Power tools

Telephone: GB: 0151 294 4488 / IRL: 1850 882711

SAFETY INSTRUCTIONS



ALWAYS WEAR EYE, FACE !\ AND EAR PROTECTION

Description of symbols





Danger! - Read the operating instructions to reduce the risk



Caution! Wear ear-muffs. The impact of noise can cause damage to hearing



Caution! Wear a breathing mask. Dust which is injurious to health can be generated when working on wood and other materials. Never use the device to work on any materials containing



Wear eye protection



For use in dry rooms only



Output connector of the charging unit (direct current): The outer part of connector is the negative pole and the inner part is the



Double insulated therefore no earth wire is required



Store the battery in dry rooms with an ambient temperature of +10°C to +40°C. Place only charged batteries in storage (charged at least 40%)

Electrical safety

Before you connect the charger to the mains supply make sure that the data on the rating plate are identical to the mains data.





For EU countries only

Never place any electric power tools in your household

To comply with European Directive 2012/19/EC concerning old electric and electronic equipment and its implementation in national laws, old electric power tools have to be separated from other waste and disposed of in an environment-friendly fashion, e.g. by taking to a recycling depot.

Recycling alternative to the return request: As an alternative to returning the equipment to the manufacturer, the owner of the electrical equipment must make sure that the equipment is properly disposed of if he no longer wants to keep the equipment. The old equipment can be returned to a suitable collection point that will dispose of the equipment in accordance with the national recycling and waste disposal regulations. This does not apply to any accessories or aids without electrical components supplied with the old equipment.

Subject to technical changes

XDD-180U 1217

General Power Tool Safety Warnings

Caution! Read all safety regulations and instructions. Any errors made in following the safety regulations and instructions may result in an electric shock, fire and/or serious injury. Keep all safety regulations and instructions in a safe place for future use.

The term "electric tool" used in the safety instructions refers to electric tools operated from the mains power supply (with a power cable) and to battery operated electric tools (without a power cable).

1. Workplace safety

a) Keep your work area clean and well illuminated. Untidy or unlit work areas can result in accidents. b) Do not operate the electric tool in an environment where there is a risk of explosions and where there are inflammable liquids, gases or dust. Electric tools produce sparks which could set the dust or vapours

c) Keep the electric tool out of the reach of children and other persons. If there is a distraction, you may lose control of the appliance.

2 Flectrical safety

a) The connector plug from this electric tool must fit into the socket. The plug should never be altered in any way. Never use adapter plugs together with earthed electric tools. Unaltered plugs and correct sockets reduce the risk of an electric shock. b) Avoid bodily contact with earthed surfaces such as pipes, heating, ovens and fridges. The risk of electric shock is increased if your body is earthed. c) Keep the tool out of the rain and away from moisture. The ingress of water into an electric tool increases the risk of an electric shock. d) Do not use the cable to carry the electric tool, to hang it up or to pull it out of the socket. Keep the cable away from heat, oil, sharp edges and moving parts of the appliance. Damaged or entangled cables

increase the risk of an electric shock. e) If you are working outdoors with an electric tool, only use extension cables which are designed specifically for this purpose. Using specially designed outdoor extension cables, the risk of electric shock is reduced

f) If operation of the electric tool in a damp environment can not be avoided, use a earth-leakage circuit-breaker. The earthleakage circuit-breaker reduces the risk of an electric shock.

3. Safety of persons

a) Be careful, watch what you are doing and use an electric tool sensibly. Do not use the tool if you are tired or under the influence of drugs, alcohol or **medication.** A moment of inattention when using the electric tool can result in serious injuries.

b) Wear personal protection equipment and always wear safety goggles. Wearing personal protection (such as dust masks, non-slip safety shoes, safety helmet or ear protection, depending upon the type and use of the electric tool) reduces the risk of injury. c) Make sure that the appliance cannot start up accidentally. Ensure that the electric tool is switched

off before you connect it to the power supply and/ or insert the battery, or pick up or carry the tool, If your finger is on the switch whilst carrying the electric tool or if you connect the appliance to the mains when it is switched on, this can lead to accidents. d) Remove keys and wrenches before switching on

the electric tool. A tool or key which comes into contact with rotating parts of the appliance can lead to injuries. e) Avoid abnormal working postures. Make sure you stand squarely and keep your balance at all times. In this way, you can control the electric tool better in unexpected circumstances.

f) Wear suitable work clothes. Do not wear loose clothing or jewellery. Keep hair, clothes and gloves away from moving parts. Loose clothing, iewellery or long hair can get trapped in moving parts. g) If vacuuming devices and draining devices can be fitted, make sure that these are correctly attached and correctly used. The use of a dust extraction system can reduce the danger posed by dust.

4. Usage and treatment of the electric tool a) Do not overload the appliance. Use the correct tool for your work. You will be able to work better and more safely within the given performance boundaries. b) Do not use an electric tool with a defective switch. An electric tool that cannot be switched on or off is dangerous and must be repaired.

c) Pull the plug out of the socket and/or remove the battery before making any adjustments to the appliance, changing accessories or put the appliance down. This safety measure prevents starting the electric tool unintentionally

d) Keep unused electric tools out of the reach of children. Do not allow people who are not familiar with the appliance or who have not read these instructions to use the appliance. Electric tools are dangerous if they are used by inexperienced people. e) Clean your electric tool carefully. Check whether moving parts are functioning properly and not jamming, whether parts are broken or damaged enough that the functioning of this electric tool is affected. Have damaged parts repaired before using the appliance. Many accidents are caused by badly maintained electric tools

f) Keep your cutting tools sharp and clean. Carefully naintained cutting tools with sharp cutting edges will jam less and are easier to control.

g) Make sure to use electric tools, accessories attachments, etc. in accordance with these instructions. Take the conditions in your work area and the job in hand into account. Using electric tools for any purpose other than the one for which they are ntended can lead to dangerous situations.

5. Using and handling the cordless tool a) Only charge the batteries in chargers that are recommended by the manufacturer. A charger that is designed for a certain type of battery may pose a fi re risk if it is used with other types of battery. b) Use only the correct batteries in the electric tools.

c) Keep unused batteries away from paper clips, coins, keys, nails, screws and other metallic objects that could cause a short circuit between the contacts A short circuit between the battery contacts may cause

The use of other batteries may result in injuries and a fire

d) In case of incorrect use, fluid may escape from the battery. Avoid contact with it. If you touch it by accident, rinse the affected area with water. If you get the fluid in your eyes, also seek medical advice. Leaking battery fluid can cause skin irritation or burns.

burns or a fi re.

a) Have your electric tool repaired only by trained personnel using only genuine spare parts. This will ensure that your electric tool remains safe to use

Additional safety instructions We pay a great deal of attention to the design of every battery pack to ensure that we supply you with batteries which feature maximum power density, durability and safety. The battery cells have a wide range of safety devices. Each individual cell is initially formatted and its electrical characteristic curves are recorded. These data are then used exclusively to be able to assemble the best possible battery packs Despite all the safety precautions, caution must always be exercised when handling batteries. The following points must be obeyed at all times to ensure safe use. Safe use can only be guaranteed if undamaged cells are used. Incorrect handling can cause cell damage.

Important: Analyses confirm that incorrect use and poor care are the main causes of the damage caused by high performance batteries

This consignment contains lithium-ion batteries. In accordance with special provision 188 this consignment is not subject to the ADR regulations. Handle with care. Danger of ignition in case of damage to the consignment package. If the consignment package is damaged: Check and if necessary repackage. For further information contact: 0049 1807 10 20 20 66 (fixed network 14 ct/min, mobile phone max. 42 ct/min). Outside Germany charges will apply instead for a regular call to a landline number in Germany.

Information about the Battery

is not charged. The battery pack has to be charged before you use the tool for the first time

- 2. For optimum battery performance avoid low discharge cycles. Charge the battery pack frequently
- 3. Store the battery pack in a cool place, ideally at 15°C and charged to at least 40%.

the latest when its capacity falls to just 80% of its

capacity when new. Weakened cells in an aged

5. Do not throw battery packs into an open fire. There is

Exhaustive discharge will damage the battery cells

The most common cause of exhaustive discharge

batteries. Stop working as soon as the performance

protection system triggers. Place the battery pack in

is lengthy storage or non-use of partly discharged

of the battery falls noticeably or the electronic

storage only after it has been fully charged

8. Protect batteries and the tool from overloads.

Avoid damage and shocks. Replace batteries

10. If the battery pack suffers overloading and

Overloads will quickly result in overheating and

overheating actually being apparent externally.

cell damage inside the battery housing without this

which have been dropped from a height of more than

one meter or which have been exposed to violent

battery pack appears to be undamaged. The battery

damage. In this respect, please also read the waste

cells inside the battery may have suffered serious

overheating, the integrated protective cut-off will

Important. Do not press the ON/OFF switch any

batteries may result in injuries, explosion and a fire

more if the protective cut-off has actuated. This may

switch off the equipment for safety reasons.

11. Use only original battery packs. The use of other

Information on chargers and

battery charger. Be sure to connect the battery charger

to a power supply with the voltage marked on the rating

2. Protect the battery charger and its cable from damage

and sharp edges. Have damaged cables repaired without

3. Keep the battery charger, batteries and the cordless

5. Do not use the supplied battery charger to charge other

6. In heavy use the battery pack will become warm. Allow

the battery pack to cool to room temperature before

7. Do not over-charge batteries. Do not exceed the

maximum charging times. These charging times only

apply to discharged batteries. Frequent insertion of a

charged or partly charged battery pack will result in over-

charging and cell damage. Do not leave batteries in the

8. Never use or charge batteries if you suspect that

the last time they were charged was more than 12

months previously. There is a high probability that the

battery pack has already suffered dangerous damage

9. Charging batteries at a temperature below 10°C will

10. Do not use batteries which have heated during the

11. Do not use batteries which have suffered curvature

12. Never fully discharge the battery pack (recommended

or deformation during the charging process or which

show other non-typical symptoms (gassing, hissing,

depth of discharge max. 80%) A complete discharge

13. Never charge the batteries unsupervised.

This tools charger is double insulated; therefore no earth wire is required.

of the battery pack will lead to premature ageing of the

charging process, as the battery cells may have suffered

cause chemical damage to the cell and may cause a fire.

plate. Never connect it to a different mains voltage.

shocks without delay, even if the housing of the

6. Do not ignite the battery pack or expose it to fire.

Do not exhaustively discharge batteries.

a risk of explosion!

disposal information

damage the battery pack.

the charging process

4. Do not use damaged battery chargers.

delay by a qualified electrician

commencing with the charging.

charger for days on end.

exhaustive discharge)

tool out of children's reach.

battery pack are no longer capable of meeting the

high power requirements and therefore pose a safety

dangerous cell damage. 3. Do not use the cordless tool or the battery charge 4. Lithium-ion batteries are subject to a natural ageing near vapors and inflammable liquids process. The battery pack must be replaced at

influences

4. Use the battery charger and cordless tools only in dry conditions and an ambient temperature of 10-40°C. 5. Do not keep the battery charger in places where the temperature is liable to reach over 40°C. In particular, do not leave the battery charger in a car that is parked in the

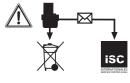
Protection from environmental

1. Wear suitable work clothes. Wear safety goggles.

from moisture and rain. Moisture and rain can cause

2. Protect your cordless tool and the battery charger

- Protect batteries from overheating. Overloads. over-charging and exposure to direct sunlight will result in overheating and cell damage. Never charge or work with batteries which have been overheated – replace them immediately if possible.
- 7. Storage of batteries, battery chargers and cordless tools. Store the charger and your cordless tool only in dry places with an ambient temperature of 10-40°C. Store your lithium-ion battery pack in a cool, dry place at a temperature of 10-20°C. Protect them from humidity and direct sunlight. Only place fully charged batteries in storage (charged at least 40%).
- 8. Prevent the lithium-ion battery pack from freezing Battery packs which were stored below 0°C for more than 60 minutes must be disposed of. 9. When handling batteries beware of electrostation
- charge: Electrostatic discharges cause damage of the electronic protection system and the battery cells. Avoid electrostatic charging and never touch the battery poles.



Rechargeable batteries and cordless electric machines and tools contain materials that are potentially harmful to the environment. Never place any cordless electric machines or tools in your household refuse. When cordless electric machines or tools become defective or worn, remove the rechargeable batteries and return them to iSC GmbH (address: Eschenstrasse 6, D-94405. Germany). If the rechargeable batteries cannot be removed, return the complete cordless machine or tool. 1. Please check the data marked on the rating plate of the You can then be sure that the equipment will be correctly disposed of by the manufacturer.

> When shipping or disposing of batteries and cordless tools, always ensure that they are packed individually in plastic bags to prevent short circuits and fires.

Do not lose these safety instructions

Drill Driver Safety Warnings

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

Before drilling into walls, ceilings etc, ensure that there are no concealed power cables or pipes in the cavity.

WARNING! Some dust created by power sanding, sawing, grinding, activities contain chemicals known to cause cancer, birth defects or other

reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints
- Crystalline silica from bricks and cement and other masonry products
- Arsenic and chromium from chemically treated timber Your risk from exposure to these chemicals varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area and work with approved safety equipment, such as dust masks that are specially designed to filter out microscopic particles.

This appliance is not intended for use by young or infirm persons unless supervised by a responsible person to ensure that they can use the appliance safely. Young children should be supervised to ensure that they do not play with the appliance.

SOUND AND VIBRATION Danger!

Sound and vibration

Sound and vibration values were measured in accordance with EN 60745.

L_a Sound Pressure Level: 81.0dB(A) K., Uncertainty: 3 dB L_{MA} Sound Power Level: 92.0dB(A)

Wear ear-muffs.

K_w Uncertainty:

The impact of noise can cause damage to hearing. Total vibration values (vector sum of three directions) determined in accordance with EN 60745

3 dB

Drilling without impact

exceptional circumstances

Vibration Emission Value a.: 2.29m/s² 1.5m/s² K Uncertainty:

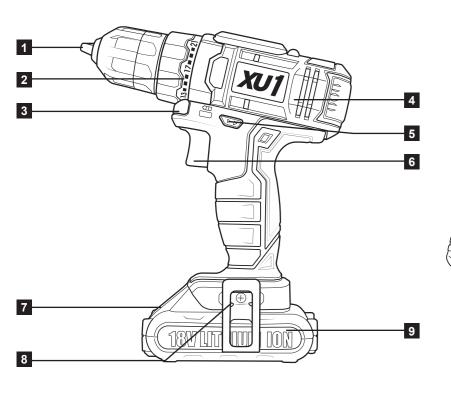
The specified vibration value was established in accordance with a standardized testing method. It may change according to how the electric equipment is used and may exceed the specified value in

The specified vibration value can be used to compare the equipment with other electric power tools. The specified vibration value can be used for initial assessment of a harmful effect.

Keep the noise emissions and vibrations to a minimum. Only use appliances which are in perfect working

- Service and clean the appliance regularly.
- Adapt your working style to suit the appliance.
- Do not overload the appliance.
- Have the appliance serviced whenever necessary.
- Switch the appliance off when it is not in use.
- Wear protective gloves.

drilling and other construction



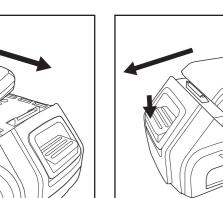
6 Variable Speed Trigger

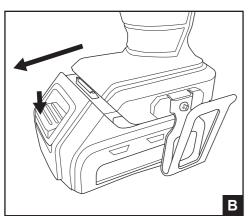
7 Battery Release Tab

8 Belt Clip



- 3 LED Worklight
- 2 Torque Adjustement Collar 4 Drill Driver





9 18V Li-Ion Battery

10 Charging Adaptor

SPECIFICATIONS

Input Voltage:		18V
Battery Capacity:		1.5Ah Li-lon
Chuck Size:		10mm
No Load Speed:		0-700/min
Torque Settings:		21
Max. Torque:		16Nm
Drilling Capacity (Ti	mber):	19mm
Drilling Capacity (Mo	etal):	6mm
Tool Weight:		1.26kg
Charge Time:		3-5hours
Charger Input:	100-240	V~50-60Hz, 15W
Charger Output:		22V DC, 370mA
Charger Protection Class		

ITEMS SUPPLIED

Please check that the article is complete as specified in the scope of delivery. If parts are missing, please contact our service centre or the sales outlet where you made your purchase at the latest within 5 working days after purchasing the product and upon presentation of a valid bill of purchase. Also, refer to the warranty table in the service information at the end of the operating instructions.

- Open the packaging and take out the equipment with
- Remove the packaging material and any packaging and/or transportation braces (if available).
- · Check to see if all items are supplied.
- Inspect the equipment and accessories for transport damage.
- If possible, please keep the packaging until the end of the guarantee period.



DANGER! The equipment and packaging material are not toys. Do not let children play with plastic bags, foils or small parts. There is a danger of swallowing or suffocating!

Caution! Residual risks

Even if you use this electric power tool in accordance with instructions, certain residual risks cannot be rules out. The following hazards may arise in connection with the equipment's construction and layout:

- 1. Lung damage if no suitable protective dust mask is used.
- 2. Damage to hearing if no suitable ear protection is used.
- 3. Health damage caused by hand-arm vibrations if the equipment is used over a prolonged period or is not properly guided and maintained.

USING YOUR DRILL DRIVER

The cordless drill is designed for tightening and undoing screws, as well as for drilling in wood, metal and plastic.

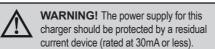
The equipment is to be used only for its prescribed purpose. Any other use is deemed to be a case of misuse. The user / operator and not the manufacturer will be liable for any damage or injuries of any kind caused as a result of this.

Please note that our equipment has not been designed for use in commercial, trade or industrial applications. Our warranty will be voided if the machine is used in commercial, trade or industrial businesses or for equivalent purposes.

Before attempting to operate the machine, familiarise yourself with the controls and make sure you know how to stop the machine quickly in an emergency.

Save these instructions and the other documents supplied with this machine for future reference.





Charging Your Battery

- 1. Attach the charging adaptor into the battery pack.
- 2. Connect the charging adaptor to the power supply.
- 3. The red battery light will illuminate indicating the battery is charging.
- 4. Once the battery is charged, the green LED light will illuminate.

Charger LED Indicator

Red (Illuminated): Battery is charging

Green (Illuminated): Battery is fully charged

Red & Green (Flashing): Battery or charger fault

Red & Green (Illuminated): Battery pack is too hot or cold (remove battery from charger and store at room temperature 20°C. Insert battery again when at correct charging temperature). If this happens again, the battery is defective and needs to be replaced.

Fitting the Battery Pack

- 1. Slide the battery into the base of the tool until it clicks into place.
- 2. To remove the battery, press and hold the battery release tab down then remove the battery. FIG. B

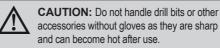
DRILL DRIVER **OPERATION**

Installing a Bit Into Your Drill

- 1. Rotate the chuck collar anti-clockwise to open the
- 2. Insert the drill bit, making sure it is centred in the
- Tighten the chuck by turning the collar clockwise.
- 4. Pull on the bit to ensure it is firmly secured.

Removing a Drill Bit

- 1. Rotate the chuck collar anti-clockwise to open the
- 2. Remove the bit from the drill chuck.



Forward Reverse Selector

- 1. For forward rotation, push the fwd/rev selector towards the left side of the tool.
- 2. For reverse rotation, push the fwd/rev selector towards the right side of the tool.

Variable Speed Trigger

- 1. To start drilling, squeeze the variable speed trigger.
- 2. To stop drilling, release the trigger

Note: The more the variable speed trigger is depressed, the faster the drill will rotate.

Drill Driver Torque Settings

1. Rotate the torque collar on your drill driver to select the desired setting.

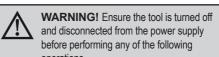
Note: Selecting a higher torque setting will allow the drill to use more torque to drive the screw in or out. To prevent damaging the screw head, it is recommended to start at a low torque setting and increase when

OPERATING TIPS

- 1. Depress and release the variable speed trigger to ensure it is not locked.
- 2. Check the forward/reverse selector is in the desired
- 3. Ensure the workpiece is secured to stop it turning whilst drilling or driving.
- 4. Hold the tool firmly and then press the variable speed
- 5. Once complete, release the variable speed trigger.

Note: Do not force the tool or apply side pressure to elongate the hole. Let the tool do all the work.

MAINTENANCE



Keep the ventilation slots of the tool clean at all times using a soft brush or dry cloth. If possible prevent foreign matter from entering the vents.

After each use, blow air through the tool housing to ensure it is free from all dust particles that may build up. If the enclosure of the tool requires cleaning, use a soft, moist cloth only. Do not use solvents.

CAUTION: Never immerse any part of the tool in liquid.

If the chargers supply cord is damaged, it must be replaced by the manufacturer or an authorized service agent in order to avoid a hazard.

Note: XU1 will not be responsible for any damage or injuries caused by the repair of the tool by an unauthorised person or by mishandling of the tool.

SERVICE INFORMATION

Please note that the following parts of this product are subject to normal or natural wear and that the following parts are therefore also required for use as consumables.

	Category	Example
	Wear parts*	Drill chuck, Battery
Ī	Consumables*	Bit Inserts / drill bits
	Missing parts	

^{*} Not necessarily included in the scope of delivery!

WARRANTY

All of our products undergo strict quality checks to ensure that they reach you in perfect condition. In the unlikely event that your device develops a fault, please contact our service department at the address shown on this guarantee card. You can also contact us by telephone using the customer service number shown. Please note the following terms under which guarantee claims can be made:

- 1. These warranty terms regulate additional warranty services, which the manufacturer mentioned below promises to buyers of its new products in addition to their statutory guarantee claims are not affected by this guarantee. Our guarantee is free of charge to you.
- 2. The warranty services only covers defects due to material or manufacturing faults on a product which you have bought from the manufacturer mentioned below are limited to either the rectification of said defects on the product or the replacement of the product, whichever we prefer.

Please note that our devices are not designed for use in commercial, trade or professional applications. A guarantee contract will not be created if the device has been used by commercial, trade or industrial business or has been exposed to similar stresses during the guarantee period.

3. The following are not covered by our guarantee:

- Damage to the device caused by a failure to follow the assembly instructions or due to incorrect installation, a failure to follow the operating instructions (for example connecting it to an incorrect mains voltage or current type) or a failure to follow the maintenance and safety instructions or by exposing the device to abnormal environmental conditions or by lack of care and maintenance.
- Damage to the device caused by abuse or incorrect use (for example overloading the device or the use or unapproved tools or accessories), ingress of foreign bodies into the device (such as sand, stones or dust, transport damage), the use of force or damage caused by external forces (for example by dropping it).
- Damage to the device or parts of the device caused by normal or natural wear or tear or by normal use of the
- 4. Your Product is guaranteed for a period of 12 months from the original date of purchase and is intended for DIY (Do It Yourself) use only. Warranty excludes consumable parts, for example: cutting blade. Guarantee claims should be submitted before the end of the guarantee period within two weeks of the defect being noticed. No guarantee claims will be accepted after the end of the guarantee period. The original guarantee period remains applicable to the device even if repairs are carried out or parts are replaced. In such cases, the work performed or parts fitted will not result in an extension of the guarantee period, and no new guarantee will become active for the work performed or parts fitted. This also applies if an on-site service is used.

IN ORDER TO MAKE A CLAIM UNDER THIS WARRANTY YOU MUST RETURN THE PRODUCT TO THE PLACE OF PURCHASE WITH YOUR REGISTER RECEIPT.

Please refer to the restrictions of this warranty concerning wearing parts, consumables and missing parts as set out in the service information in these operating instructions.

CUSTOMER SERVICE HELPLINE GB: 0151 294 4488 IRL: 1850 882711

Champion's Business Park, Unit 10, 1st Floor, Arrowe Brook Road, Upton, Wirral, Merseyside, CH49 0AB