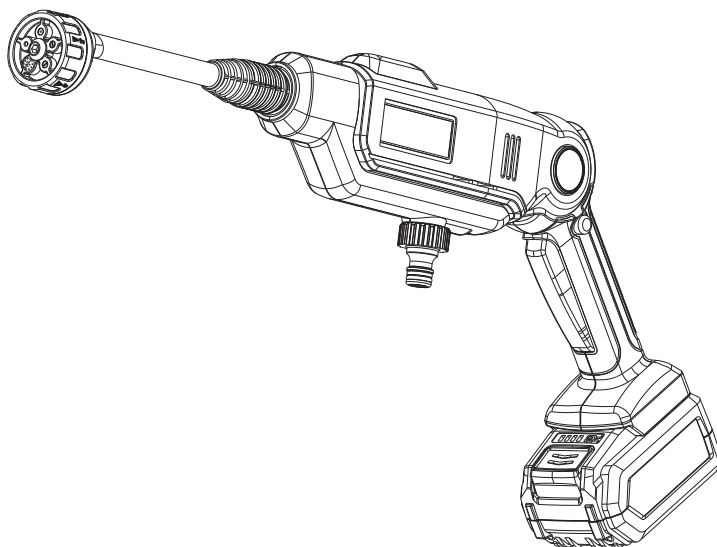




EN

TITAN

18 V Handheld Pressure Washer



TTI855PRW

EAN: 5059340239835

CAUTION: Read the instructions before using the machine.



BX220IM



Guarantee

Congratulations on your purchase of a **TITAN** power tool from Titan Power Tools (UK) Ltd. We want you to continue getting the best performance from it so this handbook includes information on safety, handling and care. Please retain this handbook in case you need to refer to any of the information in the future.

Your **TITAN** power tool comes with a 2 year guarantee, so should it develop a fault within this period contact your retailer.

GUARANTEE

This **TITAN** product carries a 2 years guarantee. If your product develops a fault within this period, you should, in the first instance contact the retailer where the item was purchased. This guarantee specifically excludes losses caused due to:

- Fair wear and tear
- Misuse or abuse
- Lack of routine maintenance
- Failure of consumable items (such as batteries)
- Accidental damage
- Cosmetic damage
- Failure to follow manufacturer's guidelines
- Loss of use of the goods

This guarantee does not affect your statutory rights. This guarantee is only valid in the UK.

For any enquiries relating to the guarantee please refer to your retailer.



Let's get started...

These instructions are for your safety. Please read through them thoroughly before use and retain them for future reference.



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Safety warnings

1. This appliance can be used by persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance.

Safety warnings for high pressure cleaner

1. **WARNING:** This product has been designed for use with the cleaning agent supplied or recommended by the manufacturer. The use of other cleaning agents or chemicals may adversely affect the safety of the machine.
2. **WARNING:** During use of high pressure cleaners, aerosols may be formed. Inhalation of aerosols can be hazardous to health.
3. **WARNING:** High pressure jets can be dangerous if subject to misuse. Never direct the jet at persons, live electrical equipment or the product itself.
4. The liquid must not be directed towards equipment containing electrical components, such as the interior of ovens.
5. **WARNING:** Do not use the machine within range of persons unless they wear protective clothing.
6. **WARNING:** Do not direct the jet against yourself or others in order to clean clothes or foot-wear.
7. **WARNING:** Risk of explosion – Do not spray flammable liquids.
8. **WARNING:** High pressure cleaners shall not be used by children or untrained personnel.
9. **WARNING:** High pressure hoses, fittings and couplings are important for the safety of the product. Use only hoses, fittings and couplings recommended by the manufacturer.



10. **WARNING:** To ensure machine safety, use only original spare parts from the manufacturer or approved by the manufacturer.
11. **WARNING:** Water that has flowed through backflow preventers is considered to be non-potable.
12. **WARNING:** Remove the battery from the product during cleaning or maintenance and when replacing parts or converting the machine to another function.
13. **WARNING:** Do not use the machine if a supply cord or important parts of the machine are damaged, e.g. safety devices, high pressure hoses, trigger gun.
14. **WARNING:** Always switch off the mains disconnecting switch when leaving the machine unattended.
15. Never use the product with inflammable or toxic liquids, or liquids with characteristics incompatible with its proper operation.
16. Never use the product outdoors in the rain.
17. Never lock the gun trigger in the operating position.
18. Check that the product is fitted with its rating label; contact your dealer if it is missing. Products without rating label must not be used, since they cannot be identified and are potentially hazardous.
19. Never tamper with or adjust the setting of the safety valve or the safety devices.
20. Never change the original diameter of the adjustable nozzle.
21. The appliance shall not be left unattended while it is connected to the supply mains.
22. Do not allow vehicles to drive over the pressure hose.
23. Do not move the product by pulling on the pressure hose.

Safety warnings

24. When directed towards tyres, tyre valves or other pressurised components, the high pressure jet is potentially dangerous. Do not apply a jet stream and always keep the nozzle at a distance of at least 30 cm during cleaning.
25. Protect all electrical conductors against the water jet.
26. High pressure may cause parts to rebound: wear all the protective clothing and equipment needed to ensure the operator's safety.
27. Wear appropriate Personnel Protection Equipment (PPE) while operation e.g. safety boots, safety gloves, safety helmets with visors, hearing protection etc.
28. Be aware of kick-back: grip the gun firmly when squeezing the trigger.
29. Comply with the regulations of the local water supply authority. Under EN 12729 (BA) the product can be connected directly to the mains drinking water supply only if the supply hose is fitted with a backflow preventer device with drainage facility.
30. Discharge residual pressure before disconnecting the hose from the product.
31. Check before each use, and at regular intervals, that all metal fasteners are tight and the product's components are in good condition; inspect for broken or worn parts.
32. The appliance is not to be used if it has been dropped, if there are visible signs of damage or if it is leaking.
33. Keep the appliance out of reach of children when it is energized or cooling down.
34. **WARNING:** Use only detergents compatible with the high pressure hose cladding materials or other cladding materials.



Safety Warnings for Battery pack and Charger

Battery Safety Instructions



CAUTION! Use only MacAllister approved replacement batteries; other batteries may cause injury or damage to the product.
Use with MacAllister battery charger.

1. **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. Incorrect use may result in electric shock, overheating or leakage of corrosive liquid from the battery.*
2. **Use product only with specifically designated battery packs.** *Use of any other battery packs may create a risk of injury and fire.*
3. **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 sparks, burns, or a fire.*
4. **Under abusive conditions, liquid may be ejected from the battery; avoid contact.** *If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally see medical help. Liquid ejected from the battery may cause irritation or burns.*
5. **Be aware of possible hazards when not using your battery tool or when changing accessories.** *To reduce risk, remove the safety key and battery pack from the machine while not in operation. This will reduce the risk of electric shock, fire or serious personal injury.*

Getting started...

Safety warnings

6. **Do not place appliances or their batteries near fire or heat.** *Continuous intense sunlight, fire or other heat sources may cause an increased danger of explosion.*
7. **Do not crush, drop or damage the battery pack.** *Do not use a battery pack or charger that has been dropped or received a sharp blow. A damaged battery is subject to explosion. Properly dispose of a dropped or damaged battery immediately.*
8. **Batteries can explode in the presence of a source of ignition, such as a pilot light.** *To reduce the risk of serious personal injury, never use any cordless product in the presence of an open flame. An exploded battery can propel debris and chemicals. If exposed, flush with water immediately.*
9. **Do not charge battery in a damp or wet location.** *Following this rule will reduce the risk of electric shock.*
10. **Longer life and better performance can be obtained if the battery pack is charged when the air temperature is between 18 °C and 24 °C.** *Do not charge the battery pack in air temperature below 4 °C or above 40 °C. This is important as it can prevent serious damage to the battery pack.*
11. **Do not disassemble the battery and avoid mechanical damage to the battery.** *Risk of short circuit and fumes may be emitted. Ensure fresh air and seek medical assistance in the event of discomfort.*
12. **Always remove battery pack from your tool when you are assembling parts, making adjustments, cleaning, or when not in use.** *Removing battery pack will prevent accidental starting that could cause serious personal injury.*



13. **Always remove battery pack before storing the device.** *When battery becomes fully charged, unplug the charger from the power supply and remove the battery pack from the charger.*
14. **Keep battery pack dry, clean, and free from oil and grease.** *Always use a dry cloth when cleaning. Never use brake fluids, gasoline, petroleum-based products, or any solvents to clean battery pack.*
15. **Keep the battery pack out of the reach of children.**
16. Rechargeable batteries are to be removed from the appliance before being charged.
17. Different type of batteries or new and used batteries are not to be mixed.
18. Batteries are to be inserted with the correct polarity.
19. The supply terminals are not to be short-circuited.

Charger Safety Instructions



CAUTION! Use only MacAllister approved replacement batteries; other batteries may cause injury or damage to the product.
Use with MacAllister Lithium-Ion battery.

1. **The plug of the charger must match the outlet. Never modify the plug in any way.** *Unmodified plugs and matching outlets will reduce the risk of electric shock.*
2. **Ensure the battery pack is charged indoors only, in a dry, cool and well-ventilated environment.**
3. **Do not subject the battery to strong sunlight over long periods and do not leave it near a heat source.** *Heat damages the battery and there is a risk of explosion.*
4. **Allow a hot battery to cool before charging.**
5. **Do not use non-rechargeable batteries!**

Safety warnings

6. **Do not attempt to charge battery packs other than those supplied.** *The charger and battery pack supplied with it are specifically designed to work together.*
7. **Before each use, check the charger, cable and plug. Do not use a defective charger and do not disassemble the charger.** *Incorrect reassembly may result in the risk of fire, electric shock or electrocution.*
8. **Protect the charger against moisture and wet conditions.** *There is a danger of electric shock.*
9. **Operate the charger only with the appropriate original batteries.** *Charging other batteries may result in injuries and risk of fire.*
10. **Avoid mechanical damage to the charger.** *This can result in internal short circuits.*
11. **Do not operate the charger on easily inflammable surfaces (e.g. paper, textiles, etc.).** *The heating of the battery charger during the charging process could pose a fire hazard.*
12. **Do not abuse the cord of the charger.** *Never use the cord for carrying, pulling or unplugging the charger.*
13. **Keep the cord away from heat, oil, sharp edges or moving parts.** *Damaged or entangled cords increase the risk of electric shock.*
14. **Do not operate the charger with a damaged cord or plug, which could cause shorting and electric shock.** *If damaged, immediately discontinue use. Replace the charger with the identical unit as listed in the Product Specifications in this manual. If the power cord for this equipment is damaged, it must be replaced by the manufacturer, a customer service agent of the same or qualified person in order to prevent hazards.*



15. **The battery of the appliance is not fully charged at the time of delivery.** *It therefore needs to be fully recharged before you use it for the first time. For the first recharge cycle, charge the battery pack fully. Slot the battery into the base and plug the battery charger into an outlet.*
16. Do not use a charger that has been dropped or received a sharp blow.
17. The voltage indicated on the charger rating plate must correspond to the voltage of the power source.
18. Never touch the mains plug with wet hands.
19. It is good practice to unplug the charger and remove the lithium-ion battery pack when not in use.

The following information applies to professional users only but is good practice for all users:

Vibration and noise reduction

To reduce the impact of noise and vibration emission, limit the time of operation, use low-vibration and low-noise operating modes as well as wear personal protective equipment.

Take the following points into account to minimise the vibration and noise exposure risks:

1. Only use the product as intended by its design and these instructions.
2. Ensure that the product is in good condition and well maintained.
3. Use correct accessories for the product and ensure they are in good condition.
4. Keep tight grip on the handles/grip surface.
5. Maintain this product in accordance with these instructions and keep it well lubricated (where appropriate).
6. Plan your work schedule to spread any high vibration tool use across a longer period of time.

Safety warnings

7. Prolonged use of the product exposes the user to vibrations that can cause a range of conditions collectively known as hand-arm vibration syndrome (HAVS) e.g. fingers going white; as well as specific diseases such as carpal tunnel syndrome. To reduce this risk when using the product, always wear protective gloves and keep your hands warm.

Emergency

Familiarise yourself with the use of this product by means of this instruction manual. Memorise the safety directions and follow them to the letter. This will help to prevent risks and hazards.

1. **Always be alert when using this product, so that you can recognise and handle risks early.** Fast intervention can prevent serious injury and damage to property.
2. **Switch off and disconnect from the power supply if there are malfunctions.** Have the machine checked by a qualified professional and repaired, if necessary, before you operate it again.

Residual risks

Even if you are operating this product in accordance with all the safety requirements, potential risks of injury and damage remain. The following dangers can arise in connection with the structure and design of this product:

1. Health defects resulting from vibration emission if the product is being used over long periods of time or not adequately managed and properly maintained.
2. Injuries and damage to property due to broken attachments or the sudden impact of hidden objects during use.



3. Danger of injury and property damage caused by flying objects.



WARNING! This product produces an electromagnetic field during operation! This field may under some circumstances interfere with active or passive medical implants! To reduce the risk of serious or fatal injury, we recommend persons with medical implants to consult their doctor and the medical implant manufacturer before operating this product!

Symbols

On the product, the rating label and within these instructions you will find among others the following symbols and abbreviations. Familiarise yourself with them to reduce hazards like personal injuries and damage to property.

V~	Volt, (alternating voltage)	V	Volt, (direct current voltage)
Hz	Hertz	W	Watt
mA	Milliampere	A	Ampere
mAh	Milliampere-hour	mm	Millimetre
kg	Kilogram	dB(A)	Decibel (A-rated)
m/s ²	Metres per second squared	MPa	Mega Pascal, pressure unit
bar	Pressure unit		
yyWxx	Manufacturing date code; year of manufacturing (20yy) and week of manufacturing (Wxx).		



Lock / to tighten or secure.



Unlock / to loosen.



Note / Remark.



Caution / Warning.



Read the instruction manual.



Wear hearing protection.



Wear eye protection.

Symbols



Wear protective gloves.



Wear respiratory protection.



Wear protective, slip-resistant footwear.



Switch the product off and remove the battery pack before assembly, cleaning, adjustments, maintenance, storage and transportation.



Always ensure that other people and pets remain at a safe distance from the product when it is in operation. In general, children must not come near the area where the product is.



Do not expose the product to rain or wet conditions.



This product is not suitable for connection to the potable water mains.



Do not direct the water jet onto people, animals, electrical equipment or onto the product itself.



With fuse 3.15 A



Guaranteed sound power level value in dB.



Only use the battery charger indoors.



Store indoors. Never store the pressure washer outdoors.



Do not dispose of battery packs in rivers or immerse in water.



Do not dispose of battery packs in fire. They will explode or leak and cause injury.



Do not expose battery packs to heat in excess of 45 °C.



Recycle electrical waste products in an environmentally safe way where facilities exist.



Charger is of protection class II. That means it is equipped with enhanced or double insulation.



The product complies with the applicable European directives and an evaluation method of conformity for these directives was done.



The product complies with the applicable UK Conformity Assessed directives and an evaluation method of conformity for these directives was done.



WEEE symbol. Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or local store for recycling advice.



Crossed out dust bin. Batteries and battery packs should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or local store for recycling advice.

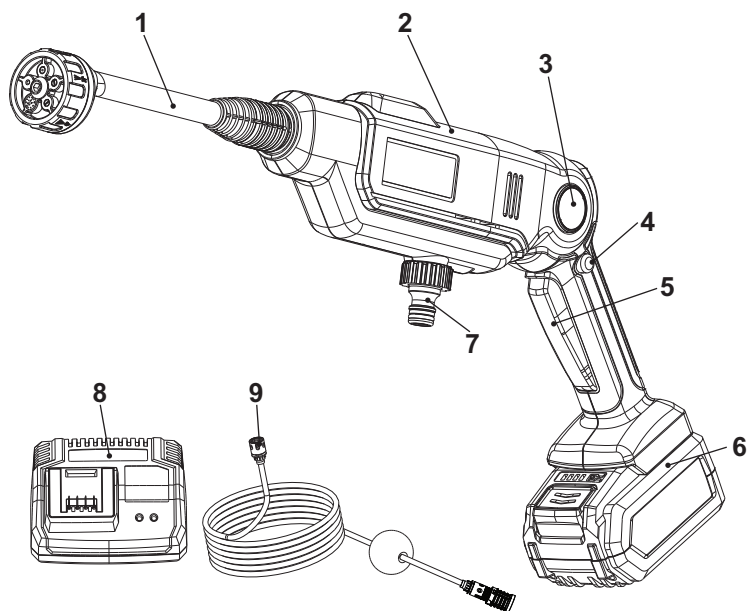


Batteries contain Lithium-ion. Do not dispose of batteries in household waste.

Li-ion

Getting started...

Your product



- | | |
|-----------------------|---------------------------|
| 1. 5 in1 lance | 6. Battery pack |
| 2. Spray gun | 7. Water inlet adaptor |
| 3. Release button | 8. Charger |
| 4. Safety lock button | 9. Water hose with filter |
| 5. On/off switch | |



Technical specifications

General

- > **Rated voltage** : 18 V d.c.
- > **Rated pressure** : 2.2 MPa
- > **Max. allowable pressure** : 2.4 MPa
- > **Rated flow** : 2.0 l/min
- > **Max. rated flow** : 6.3 l/min
- > **Rated temperature** : 40 °C
- > **Max. inlet water pressure** : 0.6 MPa
- > **Protection class** : III
- > **Weight** : 2.06 kg (without water hose)
- > **Dimensions** : 125 X 80 X 765 mm

Water hose

- > **Quality** : reinforced PVC hose
- > **Diameter** : Ø 12.7 mm (1/2")
- > **Length** : 6 m

Battery pack

- > **Model No.** : TTI803BAT
- > **Rated voltage** : 18 V
- > **Rated capacity** : 5000 mAh
- > **Battery type** : Li-Ion
- > **Battery run time** : Max. 45 min

Charger

- > **Model No.** : MFC18
- > **Rated input** : 220-240 V~, 50/60 Hz, 105 W
- > **Rated output** : 21 V d.c., 4000 mA
- > **Charge time** : Max. 90 min

Usable battery pack (sold separately)

- > **Model No.** : TTI801BAT TTI802BAT TTB812BAT
- > **Capacity** : 2000 mAh 4000 mAh 8000 mAh

Usable charger (sold separately)

- > **Model No.** : TTB804CHR, TTB815CHR
- > **Rated output** : 18 V d.c., 18 V/36 V d.c.

Sound level

- > **Measured sound power level L_{WA}** : 84.1 dB(A)
- > **Uncertainty K_{WA}** : 0.9 dB(A)
- > **Guaranteed sound power level L_{WA} (acc. to 2000/14/EC amended by 2005/88/EC)** : 85 dB(A)

Technical specifications

The sound values have been determined according to noise test code given in EN ISO 3744:1955.

The sound intensity level for the operator may exceed 80 dB(A) and ear protection measures are necessary.

Rating Label Explanation

TTI855PRW

TT: TITAN

I: 18 V

855: Random number generated

PRW: Pressure washer

Unpacking

1. Unpack all parts and lay them on a flat, stable surface.
2. Remove all packing materials and shipping devices if applicable.
3. Make sure the delivery contents are complete and free of any damage. If you find that parts are missing or show damage do not use the product but contact your dealer. Using an incomplete or damaged product represents a hazard to people and property.
4. Ensure that you have all the accessories and tools needed for assembly and operation. This also includes suitable personal protective equipment.



WARNING! The product and the packaging are not children's toys! Children must not play with plastic bags, sheets and small parts! There is a danger of choking and suffocation!

You will need

(items not supplied)

Suitable personal protective equipment

(items supplied)

5 in 1 lance (1)

Spray gun (2)

Battery (6)

Charger (8)

Water hose with filter (9)



Assembly



WARNING! The product must be fully assembled before operation! Do not use a product that is only partly assembled or assembled with damaged parts!



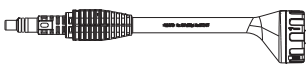
Follow the assembly instructions step-by-step and use the pictures provided as a visual guide to easily assemble the product! Do not insert the battery pack before the power tool is completely assembled!



NOTE: Take care of small parts that are removed during assembly or when making adjustments. Keep them secure to avoid loss.

Accessories

Please check the technical specification of any accessories that you purchase to ensure they are compatible with this product.

Illustration	Description	Application
	5 in 1 lance (1)	To be used in conjunction with spray gun to provide fan and pin jet.

Attaching accessories

1. Align and insert the tongues (1a) of the 5 in 1 lance (1) into the grooves of the spray gun (2) connection port (Fig. 1, step 1).
2. Turn the 5 in 1 lance (1) clockwise (step 2) and then pull it to outside slightly (step 3) to lock it in place (step 3).
3. Ensure the arrow (1c) is on the top side.

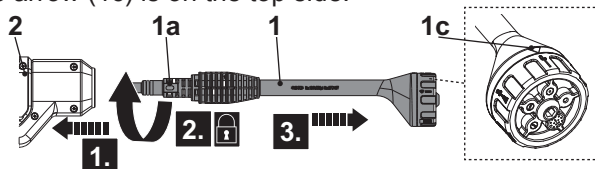


Fig. 1

Removing accessories

Press the 5 in 1 lance (1) towards the spray gun (2) (Fig. 2, step 1) and turn it anti-clockwise (step 2) to unlock and remove it (step 3).

Accessories

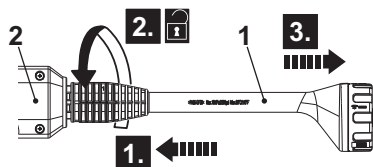


Fig. 2

5-in-1 nozzle

The 5-in-1 nozzle is intended for a large choice of applications and cleaning effects.

1. Hold the 5 in 1 lance (1) and turn the nozzle (1b) to adjust to the required setting. The arrow (1c) on the nozzle points to the selected application indicated with symbols on the nozzle (Fig. 3).

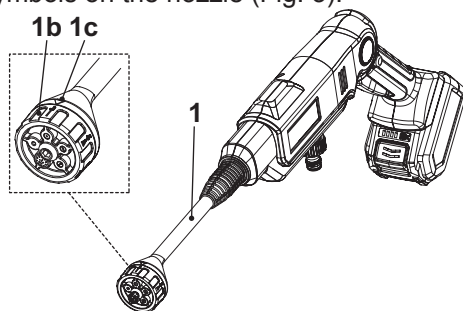


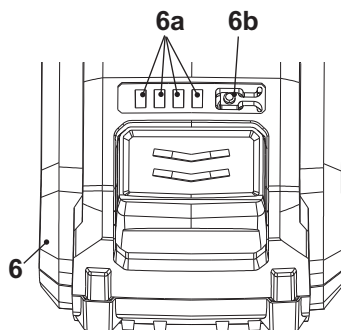
Fig. 3

2. Use the pen spray (0°) for maximum cleaning effect.
3. Use the fan spray (25°/40°) to clean sensitive surfaces such as wood decks, siding, vehicles etc.
4. Use 0+ for low pressure water column.
5. Use  for low pressure water curtain.

Battery pack and charger

Checking battery capacity

The Li-Ion battery pack (6) is equipped with four battery power indicators (6a) indicating the battery pack's remaining capacity. Press the power button (6b) to check battery capacity (Fig. 4).



Battery indicators	Battery capacity
	Battery is full
	> 2/3 of capacity
	> 1/3 of capacity
	Reserve
■ ON □ OFF	

Fig. 4

Charging

Battery pack has been shipped in a low charge condition. Charge it fully before first use. Only charge with the correct charger.

1. Connect the charger plug to a suitable power supply.
2. Align the battery pack (6) to the charging slots (8a) and slide it until it locks in place (Fig. 5).

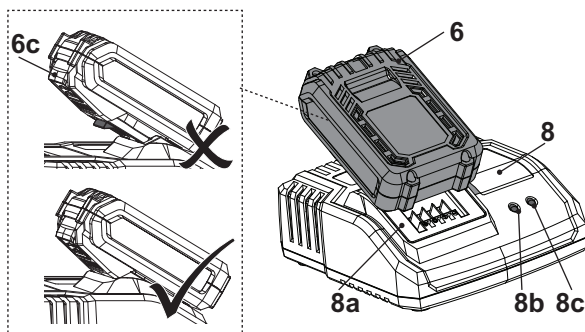


Fig. 5

3. The charging status is indicated by the red indicator (8b) and green indicator (8c) LEDs as follows:

Red indicator (8b)	Green indicator (8c)	Status
Off	Flash	Charging
Off	On	Fully charged
On	Off	Battery temperature is too high (charging will start automatically after cooling down)
Flash	Off	Battery not in position/ Defective battery

Battery pack and charger



NOTE: It is normal for the battery pack and charger to become warm (but not hot) during charging process.

4. When the battery pack is fully charged, disconnect the charger from the power supply.
5. Keep the charger in position with one hand. Press the unlocking button (6c) (Fig. 5) and pull the battery pack out.

Attaching

1. Align the groove on the battery pack (6) with the corresponding ribs in the receptacle (2a) of the spray gun (2).
2. Insert the battery pack (6) until it is securely locked in position (Fig. 6).

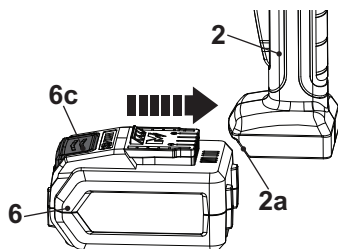


Fig. 6

Detaching

1. Press the unlocking button (6c) and pull the battery pack out.

Water supply

With water hose (self-priming)

The self-priming feature allows the product to draw water from an alternative water source such as a rain water cistern instead of a water supply main.



NOTE: Pay attention to the amount of water in the water source to ensure that there is sufficient supply of water to avoid the pump running dry.

1. Attach one end of the water hose (9) onto the water inlet adaptor (7) and then keep the other end with the floating ball (9a) in the water source (Fig. 7).



NOTE: Ensure the supplied filter (9b) is in position to prevent debris entering the pump.

2. Adjust the position of the floating ball (9a) to prevent the filter (9b) from being blocked by debris at the bottom of the water source.

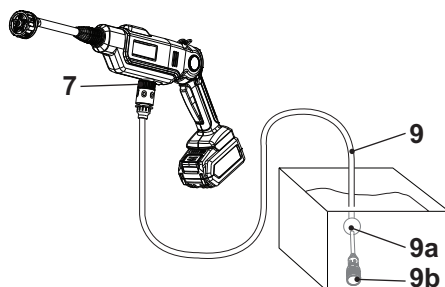


Fig. 7

The air in the water hose should be pushed through and replaced with the water drawn in from the water source.

1. During first use, to empty the air in the hose, place the nozzle below waist level (<1.5m/5ft) and set the 5-in-1 nozzle (1b) at the 0+ or  position to accelerate the self-priming process. This could take up to 30 seconds or more depending on the fresh water source.
2. Press the safety lock button (4) and then press the on/off switch (5) to switch the product on (refer to "Product functions") until the water exits the spray gun continually without lots of bubbles. Do not direct the water jet onto people, animals, electrical equipment or onto the product itself.
3. In case of no water stream sprayed out within 60 seconds, inspect all connections and the water source.
4. Release the on/off switch (5) to switch the product off. The product is now ready for use under self-priming mode.

With water hose (connect to water tap)



WARNING! This product is not intended to be connected to the potable water mains!

Observe the regulations of your local utility company when connecting the product to a water supply line! It is prohibited to connect this product to the drinking water facility without a backflow preventer which corresponds to EN 12729 Type BA or EN 61770!

1. Press down the collar (9c) (Fig. 8, step 1) and remove the filter adaptor (9d) with filter (9b) from the water hose (step 2).

Water supply

2. Attach the water hose (9) onto the water inlet adaptor (7) (step 3) and then the other end onto the water supply (step 4).
3. Open the water supply.

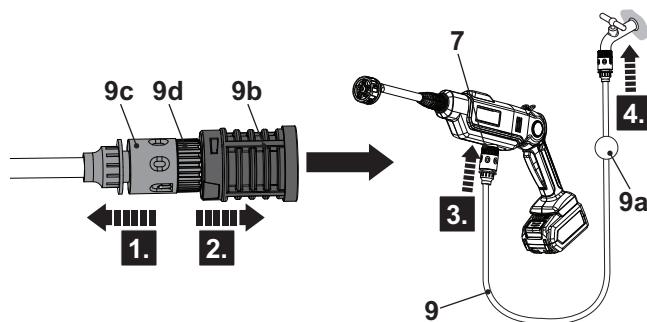


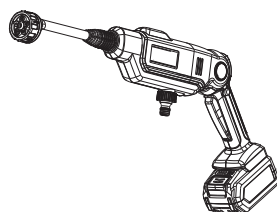
Fig. 8



In more detail...

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In more detail...



Intended use

The product is designated with a rated voltage of 18 V --- .

The machine is intended for domestic use to clean vehicles, tools, bicycles, outdoor toys, greenhouses, garden furniture, etc.

The water jet should not be directed against persons, animals, any electrical equipment or the product itself. Do not flush any objects which contain health hazardous materials (e. g. asbestos). Do not run the product with inflammable, explosive and toxic liquids.

For safety reasons it is essential to read the entire instruction manual before first operation and to observe all the instructions therein.

Switching on/off

1. Press the safety lock button (4) and hold in position (Fig. 9, step 1) to unlock the on/off switch (5) (Fig. 9).



WARNING! Do not operate the product without water supply. This leads to dry running and subsequently damages the product!

2. Press the on/off switch (5) (step 2) to switch the product on.
3. Release the on/off switch (5) to switch the product off.

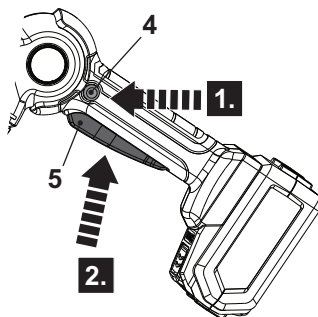


Fig. 9



Adjusting handle position

1. Press the release button (3) and hold it in position (Fig. 10, step 1).
2. Adjust the handle to required position (step 2) and then release the button (3).
3. Ensure the handle engaged properly.

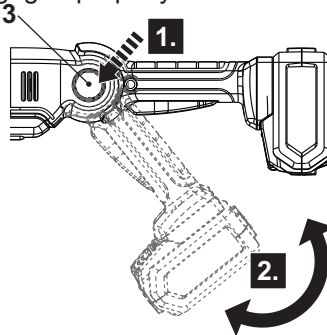


Fig. 10

General operation

1. Check the product, its battery and charger as well as accessories for damage before each use. Do not use the product if it is damaged or shows wear.
2. Double check that the accessories and attachments are properly fixed.
3. Always hold the spray gun by its handle and gripping surface. Keep the handle and gripping surface dry and free from lubricant to ensure safe support.
4. Switch the product off immediately if you are disturbed while working by other people entering the working area. Always let the product come to complete stop before averting.
5. Do not overwork yourself. Take regular breaks to ensure you can concentrate on the work and have full control over the product.

Operation



WARNING! Do not operate the product without water supply. This leads to dry running and subsequently damages the product! Kickback forces result from squeezing the switch! Therefore, always hold the spray gun with both hands! Pay attention to safe posture! Improper handling can lead to injuries!



WARNING! Do not operate the product when the ambient temperature is below 0 °C. Water will freeze inside the product and damage it.

In more detail...

Operation

1. Prepare the water supply as described and attach the battery pack.
2. Set the 5-in-1 nozzle (1b) to the required spray pattern.
3. Set the handle to the required position.
4. Hold the spray gun (2) with both hands.



Fig. 11

5. Direct the water jet to the object to be cleaned and switch on the product (Fig. 11).



WARNING! Beware of kickback when squeezing the trigger!



NOTE: Always keep a reasonable distance between the nozzle and the object to be cleaned in order to avoid damage. Ask your specialist dealer for advice if required.

6. Release the on/off switch to stop the water jet.

Tips



WARNING! Prevent water from penetrating the air vents of the product to minimise the risk of damage to the product.

1. Dissolve dirt by applying the detergent mixed with water to the surface while still dry. Allow the detergent to rest on the surface for a few minutes, but do not let the detergent dry.
2. When dealing with vertical surfaces work from the bottom upwards. Rinse from the bottom upward, use the high pressure jet at a minimum distance of 30 cm at 45° angle and then from the top downward.
3. In some cases, scrubbing with brushes is needed to remove dirt. High pressure is not always the best solution for good washing results, since it may damage some surfaces. The highest nozzle jet setting should not be used on delicate or painted parts, or on pressurised components (e. g. tyres, inflation valves, etc.).



4. Effective washing depends on both the pressure and volume of the water used, to the same degree.
5. Begin by spraying in a testing area free and clear of people and objects.

Wood and vinyl decks

1. Reduce your work area to smaller sections and clean each section one at a time for optimal results.
2. Rinse at high pressure using fan spray, keeping the nozzle at least 15 - 25 cm from the cleaning surface.
3. Maintain a further distance from the cleaning area when using jet spray.
4. Caution! Increase the distance from the cleaning area for softer woods.

Cement patios, stone, and brick

1. Rinse at high pressure using fan spray in a sweeping motion, keeping the nozzle at least 7 - 15 cm from the cleaning surface.
2. Maintain a further distance from the cleaning area when using jet spray.

Cars, boats, and motorcycles

1. Clean one side at a time to achieve the best results.
2. Rinse at high pressure using fan spray in a sweeping motion, keeping the nozzle at least 20 cm from the cleaning surface. Do not use narrow pencil jet on vehicle or boat paint work.
3. Wipe surface dry for a polished finish.
4. Warning! Do not clean the engine with this product!

After use

1. Release the on/off switch (5) (Fig. 12).
2. Remove the battery pack (6).

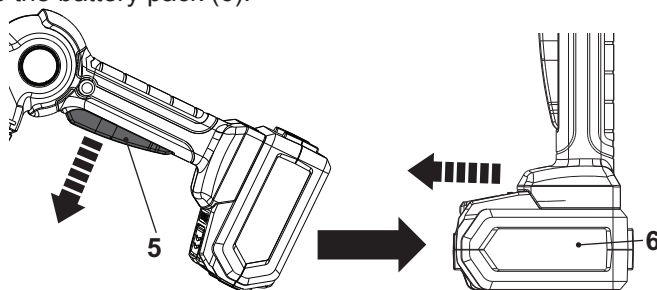


Fig. 12

3. Disassemble the water hose. Turn off the water tap.
4. Check, clean and store the product as described below.

In more detail...

The golden rules for care



WARNING! Always switch the product off, remove the battery pack from the product and let the product cool down before performing inspection, maintenance and cleaning work!

1. Keep the product clean. Remove debris from it after each use and before storage.
2. Regular and proper cleaning will help ensure safe use and prolong the life of the product.
3. Inspect the product before each use for worn and damaged parts. Do not operate it if you find broken and worn parts.



WARNING! Only perform repairs and maintenance work according to these instructions! All further works must be performed by a qualified specialist!

General cleaning

1. Clean the product with a slightly damp cloth and mild soap. Use a brush for areas that are hard to reach.



NOTE: Always keep a reasonable distance between the nozzle and the object to be cleaned in order to avoid damage. Ask your specialist dealer for advice if required.

2. Check for any damage and wear. Repair damages in accordance with this instruction manual or take it to an authorised service centre before using the product again.

Maintenance

Before and after each use, check the product and accessories for wear and damage. If required, exchange them for new ones as described in this instruction manual. Observe the technical requirements.



Spare parts/Replacement parts

The following parts of this product may be replaced by the consumer. Spare parts are available at an authorized dealer or through our customer service.

Description	Model no. or Specification
5 in 1 lance	0260325000
Water hose	0450203000
Battery	MBAT18-5
Charger	MFC18

Nozzle

Remove any dirt deposits from the 5 in 1 nozzle (1b) hole using the cleaning needle (not provide) (Fig. 13).

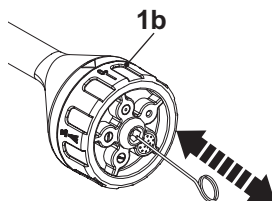


Fig. 13

Water filter



NOTE: Never operate the product with the filter removed or if the filter is damaged.

Water inlet filter

1. Unscrew (Fig. 14, step 1) and remove the water inlet adaptor (7) from the water inlet (step 2).
2. Rinse the filter (7a) with clear water.
3. Reassemble the adaptor afterwards.

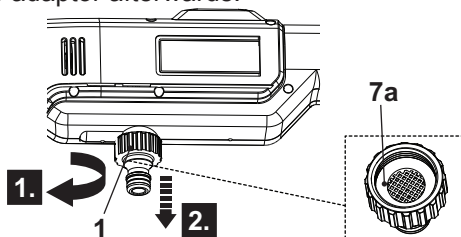


Fig. 14

In more detail...

Water filter

Water hose filter

1. Remove the filter adaptor (9d) and filter (9b) from water hose (9).
2. Turn the filter (9b) anti-clockwise (Fig. 15, step 1) and remove it from the adaptor (step 2).
3. Rinse the filter (9b) with clear water.
4. Reassemble the filter afterwards.

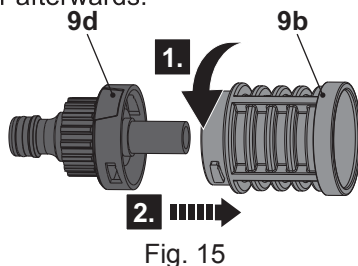


Fig. 15

Decalcification

From time to time – according to the nature of your tap water – calcium deposits form in the product and accessories. The strength of the deposits (and thus the frequency of decalcification) depends upon the degree of hardness of the water and how often the product is used. Check with your supplier in order to find the hardness of the water in your area.



NOTE: Use a mixture of water and citric acid or vinegar for decalcification. These substances are readily biodegradable and environmentally friendly!

1. Make a mixture of one part of proper vinegar and two parts hot water ($\leq 50^{\circ}\text{C}$) in a suitable container, e. g. in a bowl.
2. Lay the detachable accessories in the mixture.
3. Leave the accessories in the mixture for approximately 12 hours.
4. Rinse the accessories with clear water.

Repair

This product does not contain any parts that can be repaired by the consumer. Contact an authorised service centre or a similarly qualified person to have it checked and repaired.



Storage

1. Switch the product off and disassemble the battery pack from the product.
2. Disconnect the product from the water supply. Empty the water in water hose if necessary.
3. Clean the product as described above.
4. Drain remaining water at the end of the working session.
5. Store the product and its accessories in a dry, frost-free place. Always store the product in a place that is inaccessible to children. The ideal storage temperature is between 10 °C and 30 °C.
6. We recommend using the original package for storage or covering the product with a suitable cloth or enclosure to protect it against dust.

Transportation

1. Switch the product off and disassemble the battery from the product.
2. Disconnect the product from the water supply. Empty the water in water hose if necessary.
3. Attach transportation guards, if applicable.
4. Protect the product from any heavy impact or strong vibrations which may occur during transportation in vehicles.
5. Secure the product to prevent it from slipping or falling over.

Troubleshooting

Suspected malfunctions are often due to causes that the users can fix themselves. Therefore check the product using this section. In most cases the problem can be solved quickly.



WARNING! Only perform the steps described within these instructions! All further inspection, maintenance and repair work must be performed by an authorised service centre or a similarly qualified specialist if you cannot solve the problem yourself!

In more detail...

Troubleshooting

In more detail...

Problem	Possible cause	Solution
1. Product does not start	1.1. Battery discharged 1.2. Battery too hot/cold 1.3. Other electrical defect to the product	1.1. Recharge battery 1.2. Allow to cool/warm 1.3. Contact your nearest authorised service centre
2. Product does not reach full power	2.1. Filter dirty 2.2. Air being sucked into the system	2.1. Clean the filter 2.2. Check tightness of hose fittings
3. Strong pressure fluctuations	3.1. Water inlet volume is too low 3.2. Intake filter dirty 3.3. Air being sucked into the system 3.4. Water tank empty	3.1. Increase water inlet quantity 3.2. Clean the filter 3.3. Check tightness of hose fittings 3.4. Refill water tank
4. Water leakage from product	4.1. Seals worn	4.1. Contact your nearest authorised service centre
5. Excessive vibration/noise	5.1. Screws and nuts loose 5.2. Motor problems 5.3. Water inlet volume is too low	5.1. Check screws and nuts for tightness and re-tighten as necessary 5.2. Contact your nearest authorised service centre 5.3. Increase water inlet quantity
6. No water jet	6.1. No water supply 6.2. Filter is dirty 6.3. Hose blocked 6.4. Nozzle blocked	6.1. Check water supply 6.2. Clean filter 6.3. Check hose 6.4. Check nozzle



Recycling and disposal



Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist.

Check with your Local Authority or local store for recycling advice.



For further information visit www.recycle-more.co.uk.

The product comes in a package that protects it against damage during shipping. Keep the package until you are sure that all parts have been delivered and the product is working properly. Recycle the package afterwards.

Disposal of an exhausted battery pack



The battery is Li-Ion type. To preserve natural resources, please recycle or dispose of the battery pack properly. Consult your local waste authority for information regarding available recycling and / or disposal options.

Discharge your battery pack by operating your tool, then remove the battery pack from the tool and cover the battery pack connections with heavy duty adhesive tape to prevent short circuit and energy discharge.

Do not attempt to open or remove any of the components.

In more detail...



TITAN

Manufacturer • Fabricant • Producent • Producător • Fabricante:

UK manufacturer:

Kingfisher International Products Limited
3 Sheldon Square London W2 6PX
United Kingdom
www.kingfisher.com/products

EU manufacturer:

Kingfisher International Products B.V.
Rapenburgerstraat 175E
1011 VM Amsterdam
The Netherlands

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