

# **CORDLESS HIGH PRESSURE WASHER**

## **OWNER'S MANUAL**

### **■ ■ WARNING**

Read and understand all instructions before operation.  
Failure to follow safety rules may result in serious bodily injury.

Power Supply: 20V Lithium-Ion Battery  
Standard Battery: 20V 4.0Ah Li-ion Battery Pack

Keep this manual for future reference

# TABLE OF CONTENTS

|                                                 |    |
|-------------------------------------------------|----|
| 1. Important Safety Instructions .....          | 3  |
| 2. Product Specifications .....                 | 6  |
| 3. Parts Identification .....                   | 7  |
| 4. Package Contents Checklist .....             | 8  |
| 5. Assembly Instructions .....                  | 9  |
| 6. Operating Procedures .....                   | 11 |
| 7. Battery & Charger Operation Guidelines ..... | 14 |
| 8. Cleaning Agent Usage .....                   | 16 |
| 9. Maintenance & Daily Care .....               | 17 |
| 10. Storage Instructions .....                  | 19 |
| 11. Troubleshooting Guide .....                 | 20 |
| 12. Limited Warranty Statement .....            | 22 |

# 1. IMPORTANT SAFETY INSTRUCTIONS

## General Safety Warnings

### ■ ■ WARNING – RISK OF SERIOUS INJURY

- This machine is designed for outdoor residential cleaning only. Do not operate indoors.
- High-pressure water jet is hazardous. Never direct spray toward people, pets, live electrical devices, glass or fragile surfaces.
- Always wear safety goggles, non-slip work shoes and proper work clothing during operation.
- Children and untrained persons are forbidden to operate the unit. Keep children away from the working zone at all times.
- Do not operate the washer when fatigued, ill, or under the influence of alcohol or medication.
- Do not use the machine in flammable or explosive environments. Keep away from gasoline, solvents and open flames.
- Do not leave the machine running unattended. Always turn off the unit when not in use.
- Stay alert and watch what you are doing. Do not overreach; maintain proper footing and balance at all times.

## Electrical & Battery Safety

- Only use matched 20V 4.0Ah lithium-ion battery pack and designated original charger. Do not use incompatible third-party batteries.
- Do not disassemble, puncture, drop, crush or incinerate battery packs. Avoid exposing batteries to temperatures over 45°C.
- Charge batteries only in dry indoor locations. Never charge batteries outdoors in rain or humid conditions.
- Remove the battery pack before inspection, cleaning, nozzle replacement, transportation or long-term storage.
- Do not bridge battery terminals with metal objects to prevent short circuit.
- If battery fluid leaks, avoid skin and eye contact. In case of contact, rinse immediately with plenty of water and seek medical attention.
- Use only the battery pack specified for this pressure washer. Using any other battery may cause fire, explosion or injury.

## Water System Safety

- Only use clean cold fresh water. Hot water is prohibited; high temperature will permanently damage the internal pump.
- Do not connect the machine to potable water systems without qualified anti-backflow devices in compliance with local plumbing codes.
- Never run the machine without water supply longer than 60 seconds. Dry running destroys pump sealing components.

- Always release residual pressure in hoses and spray gun before disconnecting any fittings. Squeeze the trigger to discharge leftover pressure.
- Inspect hoses and connections before each use. Do not use damaged or leaking hoses.
- Do not pull or carry the machine by the hose, and do not yank the hose to disconnect it.

**■■ CAUTION: The spray gun produces recoil force when spraying. Firmly grip the handle with both hands to maintain balance.**

## 2. PRODUCT SPECIFICATIONS

| Item                              | Parameter                                      |
|-----------------------------------|------------------------------------------------|
| Model Type                        | Cordless Brushless High Pressure Washer        |
| Motor Type                        | Brushless DC Motor                             |
| Power Source                      | 20V Lithium-ion Battery                        |
| Standard Battery                  | 20V 4.0Ah Li-ion Battery Pack                  |
| Water Source                      | Clean cold fresh water                         |
| Max Inlet Water Temperature       | $\leq 35^{\circ}\text{C}$                      |
| Operating Ambient Temperature     | $0^{\circ}\text{C} \sim +40^{\circ}\text{C}$   |
| Protection Class                  | IPX5                                           |
| Applicable Water Supply           | Tap water / Water bucket with suction hose     |
| Charging Input                    | Standard household AC power (charger included) |
| Recommended Battery Charge Cycles | Up to 500 cycles (typical)                     |

*Note: Technical parameters are subject to product upgrades without prior notice.*

### **3. PARTS IDENTIFICATION**

- 1.** Main Machine Body — Integrated motor and pump assembly, core unit of the pressure washer.
- 2.** Power Switch Button — Main power control located on the machine body.
- 3.** Battery Mount Compartment — Slot for installing and securing the 20V lithium-ion battery pack.
- 4.** Water Inlet Connector — Port for connecting the water inlet hose.
- 5.** High-pressure Hose Outlet — Port for connecting the high-pressure hose.
- 6.** Retractable Push Handle — Ergonomic handle for transporting the unit.
- 7.** Transport Wheels — Support wheels for easy movement on flat ground.
- 8.** High Pressure Spray Gun — Handheld trigger assembly that controls water spray.
- 9.** Quick-Connect Spray Nozzle — Interchangeable nozzle for different spray patterns.
- 10.** 20V 4.0Ah Lithium-ion Battery Pack — Removable rechargeable power supply.
- 11.** Battery Charger — Dedicated charger for the 20V lithium-ion battery.
- 12.** Inlet Water Filter — Strainer at the end of inlet hose to prevent debris from entering the pump.

## 4. PACKAGE CONTENTS CHECKLIST

Check all items immediately after unpacking. Contact your seller if any parts are missing or damaged during shipping.

- 1 × High Pressure Washer Main Unit
- 1 × High Pressure Spray Gun
- 1 × High Pressure Hose
- 1 × Multi-angle Spray Nozzle Set (0°, 25°, 40°)
- 1 × Water Inlet Hose with Filter
- 1 × 20V 4.0Ah Lithium-ion Battery Pack
- 1 × Battery Charger
- 1 × Owner's Manual

## 5. ASSEMBLY INSTRUCTIONS

### Step 1 — Install the Push Handle

Align the push handle with the mounting slots on the rear of the machine body. Push down firmly until the locking pins engage and you hear a click. Gently pull upward to confirm the handle is securely locked in place.

### Step 2 — Connect the High Pressure Hose

Connect one end of the high-pressure hose to the water outlet port on the front of the machine. Twist clockwise to tighten by hand. Connect the other end to the base of the spray gun in the same manner. Ensure both connections are hand-tight to prevent leaks.

### Step 3 — Attach the Water Inlet Hose

Fit the inlet hose onto the water inlet port of the machine and tighten. Place the filter end of the inlet hose fully submerged into a clean water source (bucket or tap connection). Make sure the filter is completely under water to avoid sucking air.

### Step 4 — Install the Battery Pack

Align the sliding rails of the battery pack with the guides in the battery compartment. Push the battery inward firmly until you hear a "click" sound, confirming it is securely locked.

To remove the battery: press the battery release button on the top of the battery and slide it outward.

**NOTICE: Do not force the battery into the compartment. If it does not slide smoothly, remove it and check the alignment. Forcing may damage the battery terminals.**

# 6. OPERATING PROCEDURES

## Pre-operation Checklist

- Battery pack is fully charged and properly installed.
- All hose connections are securely tightened and free of leaks.
- Inlet water filter is clean and fully submerged in water.
- No kinks, twists or blockages in the hoses.
- Spray gun trigger operates smoothly and the safety lock works correctly.
- Nozzle is clean and properly attached.
- Work area is clear of tripping hazards and bystanders.

## Step 1 — Priming the Water System

1. Ensure the water supply is available and the inlet hose filter is fully submerged.
2. Hold the spray gun and point it in a safe direction away from people and objects.
3. Squeeze the trigger continuously for 10 to 20 seconds to expel all air trapped inside the pump and hoses.
4. When a steady stream of water flows out without air bubbles, release the trigger. The system is now primed.

## Step 2 — Start the Machine

Press the power switch button on the main unit. The indicator light will illuminate. Squeeze the spray gun trigger to activate high-pressure water output. Release the trigger to pause spraying; the machine will automatically enter standby mode to save battery power.

## Step 3 — Select the Correct Nozzle

| Nozzle Type | Spray Pattern         | Recommended Use                                                               |
|-------------|-----------------------|-------------------------------------------------------------------------------|
| 0° Nozzle   | Straight Jet (narrow) | Heavy stubborn dirt, concrete, metal surfaces. Use with caution — high imp    |
| 25° Nozzle  | Medium Fan Jet        | General-purpose cleaning: driveways, brick walls, garden tools, bicycle fram  |
| 40° Nozzle  | Wide Fan Jet          | Gentle cleaning: vehicle bodies, windows, patio furniture, delicate surfaces. |

**Tip:** Always start cleaning from a greater distance, then gradually move closer to the surface. Test on an inconspicuous area first to avoid damaging the surface.

## Step 4 — Shut Down Procedure

1. Release the spray gun trigger to stop spraying.
2. Press the power switch to turn off the main unit.
3. Remove the battery pack from the machine.
4. Turn off or disconnect the water supply.

5. Squeeze the spray gun trigger again to fully release any residual pressure inside the system.
6. Disconnect all hoses and drain remaining water from the pump, hoses and spray gun.

**■■ Do not start the machine without completing the water priming step. Dry running causes permanent damage to the pump seals and will void your warranty.**

## 7. BATTERY & CHARGER OPERATION GUIDELINES

### Battery Charging Procedure

1. Remove the battery pack from the machine before charging.
2. Plug the battery charger into a standard indoor electrical outlet.
3. Slide the battery pack onto the charger's contact base until it clicks into place.
4. Indicator light status: **Red** = Charging in progress; **Green** = Charging complete.
5. When charging is complete, detach the battery from the charger first, then unplug the charger from the outlet.

### Battery Usage Tips

- A new battery requires 3 to 5 full charge-discharge cycles to reach its optimal capacity.
- Do not continuously charge the battery for more than 8 hours. Overcharging shortens battery life.
- If the battery becomes hot after heavy use, allow it to cool down for at least 30 minutes before charging.
- If the working runtime drops significantly even after a full charge, the battery has reached the end of its service life and needs replacement.
- Always use the original charger designed for this 20V 4.0Ah battery pack.
- Keep battery contacts clean. Wipe gently with a dry, soft cloth if dirty.

### Long-Term Battery Storage

Charge the battery to approximately 40%–60% capacity before long-term storage. Store the battery in a dry, cool room at a temperature between 10°C and 25°C. Recharge the battery every 3 months during extended storage to prevent deep discharge damage.

**■ ■ Fire hazard: Do not leave the charger unattended for extremely long periods. Do not cover the charger or battery during charging — ensure adequate ventilation.**

## 8. CLEANING AGENT USAGE

- Only use pressure-washer-safe neutral detergent. Acidic, alkaline, solvent-based or corrosive chemicals are strictly prohibited and will damage the pump seals and internal components.
- Follow the detergent manufacturer's recommended dilution ratio strictly. Do not use concentrated detergent directly.
- Apply detergent onto a dry surface and let it soak for 2 to 5 minutes. Do not allow the detergent to dry on the surface — rinse thoroughly before it dries.
- Rinse the surface thoroughly with clean high-pressure water after applying detergent.
- After each detergent use, flush the entire water system with clean water for 2 to 3 minutes to remove all soap residue and prevent corrosion.
- Do not use bleach, chlorine-based cleaners, abrasive cleaners or solvents in this machine.

## 9. MAINTENANCE & DAILY CARE

### After Every Use

- Drain all water remaining inside the pump, hoses and spray gun to prevent sediment buildup and bacteria growth.
- Rinse the inlet filter with clean water to remove dirt, sand and debris. A clogged filter reduces water flow and working pressure.
- Wipe the exterior of the machine with a soft damp cloth. Do not spray water directly onto the motor area or battery compartment.
- Inspect all hoses for cuts, cracks or abrasions. Replace damaged hoses immediately.
- Store the spray gun in a clean, dry place with the nozzle protected.

### Regular Inspection (Every 10 Hours of Use)

- Check all hose connections and fittings for leaks, cracks and aging. Replace damaged parts immediately.
- Clean the spray nozzle: if the water jet becomes distorted or uneven, remove the nozzle and rinse it thoroughly with clean water.
- **Do NOT use metal wire, needles or sharp objects to poke the nozzle hole.** This will deform the nozzle aperture and permanently alter the spray pattern.
- Check battery contact terminals for dirt or corrosion. Wipe gently with a clean, dry cloth.
- Check that the push handle and wheels are secure and functioning properly.
- Inspect the power switch and trigger mechanism for smooth operation.

### Service Warning

Do not disassemble the pump or motor by yourself. Internal components require specialized tools and knowledge. Unauthorized disassembly will void all applicable warranty coverage. Contact a qualified professional service center for internal repairs.

## 10. STORAGE INSTRUCTIONS

### Short-term Storage (within 30 days)

- Store the unit in a dry, covered and well-ventilated area.
- Avoid direct sunlight, rain and dusty environments.
- Remove the battery pack and store it separately in a cool location.
- Coil the high-pressure hose loosely without sharp bends or tight knots.
- Keep the machine in an upright position on flat ground.

### Winter / Long-term Storage (Over 30 days)

- Completely drain all residual water from the pump, hoses and spray gun. Frozen water will crack the pump housing and internal components.
- If possible, use a pump protector or antifreeze solution designed for pressure washers before winter storage.
- Remove the battery pack and store it in a constant-temperature dry room (10°C – 25°C).
- Charge the battery to 50% capacity before long storage, and recharge every 3 months.
- Coil hoses loosely and hang them to prevent kinks and permanent deformation.
- Keep the machine upright on flat ground. Do not place heavy objects on top of the unit.
- Cover the machine with a breathable dust cover to protect from dust and moisture.

**■■ Never store the machine outdoors in freezing temperatures. Water trapped inside the pump will expand when frozen, causing irreversible damage.**

## 11. TROUBLESHOOTING GUIDE

| Fault Phenomenon                  | Possible Cause                                                                                                                                                                                                                                       | Solution                                                                                                                                                                                                                                   |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Machine cannot start              | <ol style="list-style-type: none"> <li>1. Battery not installed properly</li> <li>2. Battery power fully exhausted</li> <li>3. Trigger not activated after power on</li> <li>4. Faulty power switch</li> </ol>                                       | <ol style="list-style-type: none"> <li>1. Reinstall battery until locked</li> <li>2. Fully charge the battery pack</li> <li>3. Press power switch then squeeze gun trigger</li> <li>4. Contact service center for inspection</li> </ol>    |
| Low spraying pressure             | <ol style="list-style-type: none"> <li>1. Inlet filter clogged with debris</li> <li>2. Spray nozzle blocked or worn</li> <li>3. Insufficient battery power</li> <li>4. Water hose kinked or twisted</li> <li>5. Air trapped in the system</li> </ol> | <ol style="list-style-type: none"> <li>1. Clean the water inlet filter</li> <li>2. Rinse or replace the nozzle</li> <li>3. Charge or replace the battery</li> <li>4. Straighten all hoses</li> <li>5. Re-prime the water system</li> </ol> |
| Water leaking at connections      | <ol style="list-style-type: none"> <li>1. Fitting is loose</li> <li>2. Sealing O-ring missing, worn or damaged</li> <li>3. Hose connector cross-threaded</li> </ol>                                                                                  | <ol style="list-style-type: none"> <li>1. Tighten all connections by hand</li> <li>2. Replace damaged rubber O-ring</li> <li>3. Unscrew and reconnect carefully</li> </ol>                                                                 |
| Machine stops automatically       | <ol style="list-style-type: none"> <li>1. Battery overheat protection triggered</li> <li>2. Pump overheat protection triggered</li> <li>3. Battery fully discharged</li> </ol>                                                                       | <ol style="list-style-type: none"> <li>1. Stop operation and let the battery cool down</li> <li>2. Avoid dry running; allow pump to cool</li> <li>3. Replace with a fully charged battery</li> </ol>                                       |
| Battery will not charge           | <ol style="list-style-type: none"> <li>1. Poor contact between battery and charger</li> <li>2. Battery temperature too high</li> <li>3. Charger malfunction</li> <li>4. Battery reached end of life</li> </ol>                                       | <ol style="list-style-type: none"> <li>1. Clean contact terminals and re-seat battery</li> <li>2. Allow battery to cool before charging</li> <li>3. Inspect or replace the charger</li> <li>4. Replace with a new battery pack</li> </ol>  |
| Uneven or distorted spray pattern | <ol style="list-style-type: none"> <li>1. Nozzle clogged with dirt</li> <li>2. Nozzle aperture worn out from long use</li> </ol>                                                                                                                     | <ol style="list-style-type: none"> <li>1. Remove nozzle and rinse thoroughly</li> <li>2. Replace with a new nozzle</li> </ol>                                                                                                              |
| Abnormal noise from pump          | <ol style="list-style-type: none"> <li>1. Air in the water system</li> <li>2. Insufficient water supply</li> <li>3. Internal pump wear</li> </ol>                                                                                                    | <ol style="list-style-type: none"> <li>1. Re-prime system to remove air</li> <li>2. Check water supply and inlet filter</li> <li>3. Contact service center for repair</li> </ol>                                                           |

*If the solutions above cannot resolve the fault, stop operation immediately and contact qualified service support. Do not attempt to repair internal components yourself.*

## 12. LIMITED WARRANTY STATEMENT

This product is covered by a limited warranty against defects in materials and workmanship under normal residential use and proper maintenance, for the warranty period from the date of original purchase.

### What is NOT Covered

- Consumable parts: spray nozzles, rubber seals, O-rings, hoses, inlet filters and brushes.
- Damage caused by improper operation, including but not limited to dry running, freezing damage, chemical corrosion and overheating.
- Damage resulting from unauthorized disassembly, modification, accidental drops, collisions or misuse.
- Normal wear and tear after extended long-term use.
- Faults caused by the use of non-original batteries, chargers or incompatible accessories.
- Damage caused by use with hot water, salt water, or contaminated water sources.
- Cosmetic damage such as scratches, dents and discoloration that does not affect function.
- Damage caused by natural disasters, fire, flood or other external causes.

Proof of purchase (original receipt or order record) is required for all warranty service requests. This warranty gives you specific legal rights; you may also have other rights that vary by region.

**Service Contact:** Please retain your purchase information and contact the seller or authorized service center for assistance.

— End of Manual —