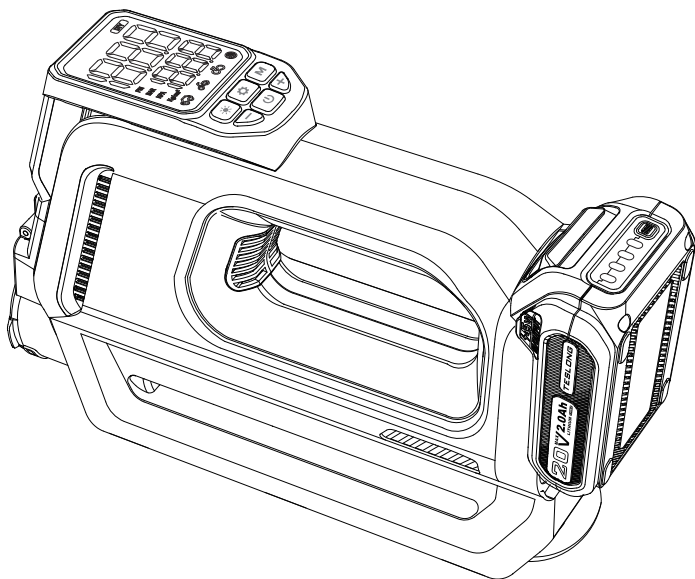


TESLONG

Portable Tire Inflator



User Manual

Model: AC-W01/AC-W02

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SAFETY GUIDELINES – DEFINITIONS

It is important for you to read and understand this manual. The information it contains relates to protecting YOUR SAFETY and PREVENTING PROBLEMS. The symbols below are used to help you recognize this information.

Warning

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

Caution

Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

Notice

Used without the safety alert symbol indicates potentially hazardous situation which, if not avoided, may result in property damage.

Safety Instructions

- Before use, make sure the air nozzle is securely connected to the tire valve to prevent air leakage or detachment.
- Do not touch the hot parts of the air pump during operation to avoid burns.
- Do not operate the product continuously for long periods to prevent overheating. If it becomes too hot, stop using it and allow it to cool down.
- Do not use the air compressor for large trucks or high-pressure tires.
- Use the product only within the specified pressure range. Do not overinflate.
- Keep the product away from water, flammable materials, and explosive substances during use.
- After inflation, turn off the power promptly and remove the air nozzle.
- Keep this product out of the reach of children.
- If abnormal noise, odor, or smoke is detected, stop using the product immediately and disconnect the power.

BATTERY CHARGER SAFETY INSTRUCTIONS

Save these instructions:

This manual contains important safety instructions for battery chargers. Before using the charger, read all instructions and cautionary markings on the charger, battery pack, and the product using the battery pack.

■ General Warnings

- **Shock Hazard:** Do not allow any liquid to get inside the charger.
- **Burn Hazard:** To reduce the risk of injury, charge only with the designated batteries. Other types of batteries may burst, causing serious personal injury and damage.
- **Compatibility:** Do not attempt to charge the battery pack with any chargers other than those specified in this manual. The charger and battery pack are designed to work together.
- These chargers are intended only for charging designated rechargeable batteries. Any other use may result in fire, electric shock, or electrocution.
- Do not expose the charger to rain or snow.

■ Safe Operation

- Pull by the plug rather than the cord when disconnecting the charger to reduce the risk of cord damage.
- Position the cord so it will not be stepped on, tripped over, or otherwise subjected to damage or stress.
- Do not operate the charger with a damaged cord or plug. Replace them immediately.
- Do not operate the charger if it has been dropped, struck, or otherwise damaged. Replace them immediately.
- Do not disassemble the charger. Incorrect reassembly may result in electric shock, electrocution, or fire. Service and repairs should be performed only by authorized service personnel.

■ Placement and Ventilation

- Do not place any object on top of the charger or place it on a soft surface that could block the ventilation slots and cause overheating.
- Place the charger away from heat sources and ensure it has adequate ventilation.
- The charger is intended for use on a flat, stable surface (e.g., tabletop, workbench). Do not mount on a wall or affix permanently to any surface.

■ Power Supply

The charger is designed to operate on standard household electrical power (120 Volts). Do not attempt to use it with any other voltage source.

BATTERY PACKS SAFETY INSTRUCTIONS

Warning

For safe operation, read this manual and all instructions originally supplied with the tool before using the battery pack.

General Guidelines

- The battery pack is not fully charged out of the box. Follow the charging procedures outlined in this manual before first use.
- Never attempt to open, crush, drop, or damage the battery pack. If the case is cracked or damaged, do not insert it into the charger. Damaged battery packs should be returned to an authorized service center for recycling.
- Do not incinerate the battery pack, even if severely worn or damaged. The battery may explode in fire, releasing toxic fumes and hazardous materials.

Handling and Exposure Hazards

- Do not charge or use the battery in explosive atmospheres, such as near flammable liquids, gases, or dust. Inserting or removing the battery may ignite fumes.
- If battery contents contact skin, wash immediately with mild soap and water.
- If battery liquid contacts the eye, flush with clean water for at least 15 minutes and seek medical attention. Lithium-Ion electrolyte contains liquid organic carbonates and lithium salts.
- Inhalation of leaked cell contents may cause respiratory irritation. Move to fresh air and seek medical help if symptoms persist.
- **Burn Hazard:** Battery liquid may be flammable if exposed to sparks or flames.

Charging and Storage

- Only charge the battery pack using designated chargers or approved charging methods.
- Do not splash or immerse the battery in water or other liquids.
- Do not store or use the battery pack where temperatures may reach or exceed 105 °F (40 °C), such as in outdoor sheds or metal buildings during summer.

Transport and Fire Safety

- **Fire Hazard:** Do not carry or store the battery pack in a way that metal objects can contact the terminals (e.g., nails, screws, keys, coins, or tools in pockets, aprons, or toolboxes).
- When transporting batteries, ensure the terminals are properly insulated to prevent accidental short circuits.

- The U.S. Department of Transportation (DOT) Hazardous Material Regulations prohibit transporting unprotected lithium-ion batteries in commerce or on airplanes.

 **Notice**

- Lithium-ion batteries must not be placed in checked baggage.
- Carry them in protective cases in carry-on luggage only.

PRODUCT DESCRIPTION

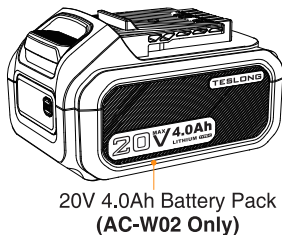
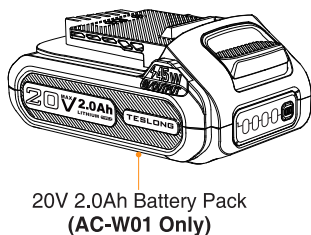
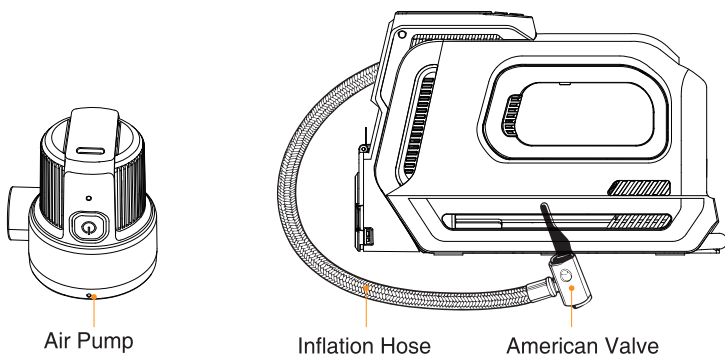
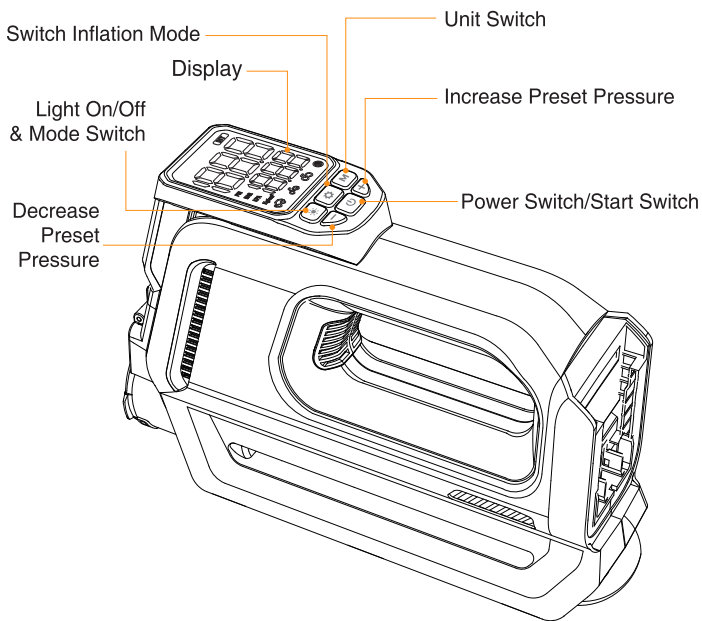
This Portable Tire Inflator delivers reliable performance for fast, efficient tire inflation. A built-in pressure display allows real-time monitoring, with automatic shut-off on select models to help prevent over-inflation. Designed for versatility, it includes multiple nozzle attachments for cars, motorcycles, bicycles, sports balls, and inflatables. The compact, lightweight design and 20V rechargeable battery provide convenient cordless operation, while an integrated LED work light supports use in low-light or emergency situations.

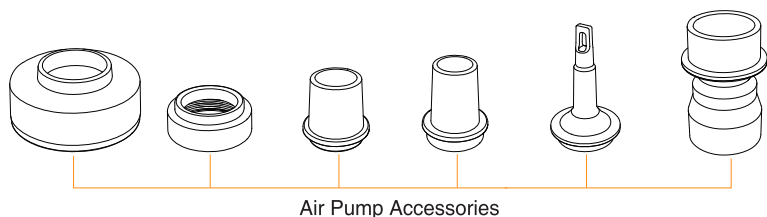
■ Features

- Dual Cylinder - High-efficiency motor delivers stable airflow for quick, reliable inflation.
- Built-In Air Hose - Integrated hose design is always attached and ready to use, with no installation or extra parts required.
- Cordless Design - Battery-powered for convenient, portable use—no cords or outlets required. Screen allows real-time monitoring to prevent over-inflation.
- Automatic shut-off (for selected models) – Automatically stops when the preset pressure is reached for added safety and convenience.
- Versatile nozzle compatibility – Includes multiple nozzles for inflating car, motorcycle, and bicycle tires, as well as balls and inflatable toys.

With its user-friendly design and versatile functionality, this product is a practical solution for quick and reliable inflation in daily life.

PRODUCT STRUCTURE





Air Pump Accessories



Presta Valve



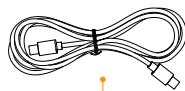
Ball Needle







Long Schrader Valve



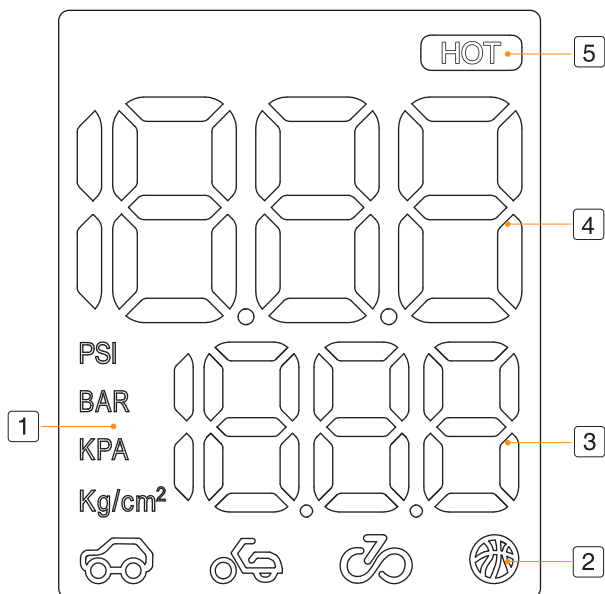
Short Schrader Valve



USB-C Charging Cable

Symbol	Function	Description
	Light On/Off & Mode Switch	Short Press: Switch light mode Long Press: Light on/off
	Switch Inflation Mode	Ball, bicycle, motorcycle, car, and custom
M	Unit Switch	PSI / BAR/ KPA/ Kg/cm ²
+	Increase Preset Pressure	Short Press: Increase by 0.1 PSI unit Long Press: Increase by 1 PSI unit
-	Decrease Preset Pressure	Short Press: Decrease by 0.1 PSI unit Long Press: Decrease by 1 PSI unit
	Power Switch /Start Switch	Short Press: Start/Stop Inflation. Long Press: Press and hold for 2.5 seconds to power on/off
	Air Pump Power Switch /Mode Switch	Short Press: Switch inflation mode, Short press to switch wind power (2 levels): High → Low → High cycles Long Press: Press and hold for 1.5 seconds to power on/off

OPERATIONAL INTERFACE



No.	Option	Description
1	Unit	Display Current Pressure Unit.
2	Mode	Display Current Inflation Mode.
3	Preset Value	Display Current Maximum Inflation Pressure.
4	Actual Value	Display Current Actual Pressure.
5	HOT	If the battery temperature is too high, the device will not turn on and the HOT icon will flash. Normal operation will resume after the battery cools down.

20V MAX BATTERY PACK – CHARGING METHOD

Your battery pack supports two charging methods:

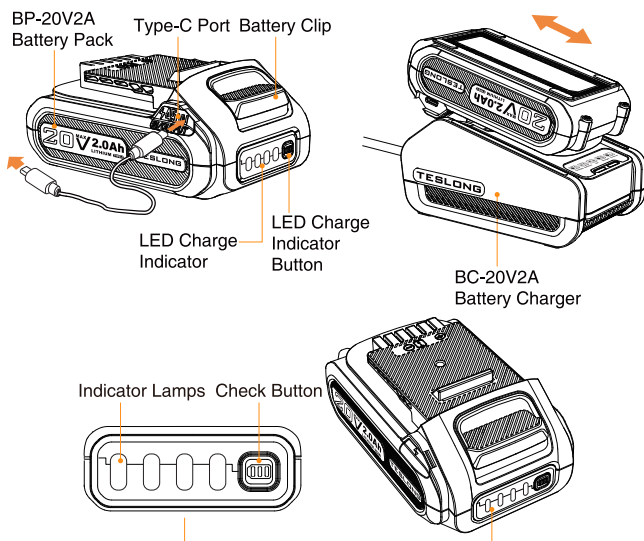
Charging Methods	Description	Included/Sold Separately
Type-C Charging	Connect the supplied Type-C cable to the battery pack and a Type-C power adapter.	Included
Charging Dock	Insert the battery pack into the optional desktop charging dock.	Sold separately at www.teslong.com

⚠ Important

- Only use the supplied Type-C cable or the designated charging dock. Using other charging methods may damage the battery or create a safety hazard.
- To use the Type-C port for charging or discharging, press the LED Charge Indicator Button on the battery pack to activate the port.






■ Charging Procedure






- **Connect Charger:** Plug the Type-C cable into an appropriate Type-C power source, or connect the battery pack to the optional charging dock.
- **Insert Battery:** Insert the battery pack into the charger or Type-C port as shown in the diagram.









■ Type-C Port Description

The battery pack is equipped with a multi-function Type-C port that supports both charging input and power output.

Input (Charging the Battery Pack)					
5 V  3 A	9 V  3 A	12 V  3 A	15 V  3 A	20 V  2.25 A	Max 45 W

Output (Powering External Devices)					
5 V  3 A	9 V  3 A	12 V  3 A	15 V  3 A	20 V  2.25 A	Max 45 W

This port supports Type-C PD Fast Charging, allowing fast and safe charging of the battery pack as well as other external electronic devices.

Indicator Lamps	Remaining Capacity
 Lighted  Off	
	75-100%
	50-75%
	25-50%
	0-25%

⚠ Notice

Depending on the conditions of use and the ambient temperature, the indication may differ slightly from the actual capacity.

■ Charging Status

- **Charging:** The green indicator flashes.
- **Full Charge:** The green indicator remains on continuously.

■ Tips for Best Performance

- Recharge the battery as soon as possible after use. Prolonged storage in a discharged state may reduce battery life.
- Avoid fully discharging the battery. Recharging after each use is recommended.

■ Important Charging Notes

- **Optimal Temperature:** Charge the battery pack when the ambient temperature is between 65-75°F (18-24°C).
 - Do not charge below 40°F (4.5°C) or above 105°F (40.5°C). Charging outside this range may cause permanent damage.
- **Warmth During Charging:** The charger and battery pack may become warm to the touch during charging. This is normal.
 - Avoid placing the charger or battery in hot environments (e.g., metal shed or hot enclosed space).

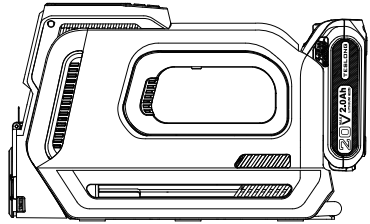
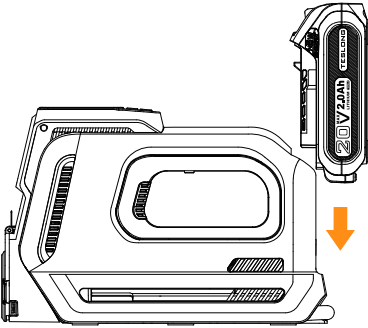
SPECIFICATIONS

Specification	Details
Working Voltage	20 V Max
Portable Tire Inflator Maximum Working Pressure	150 PSI
Display Units	PSI, BAR, KPA, KG/CM ²
Maximum Power	120 W
Cylinder Diameter	Dual 22 mm (0.87 in) Cylinders
Inflation Hose Length	1.64 ft (0.5 m)
Pressure Accuracy	±2 PSI
LED	8 LEDs
Air Pump Maximum Working Pressure	4500 Pa
Operating Temperature	14-122 °F (-10-50 °C)
Temperature Storage	-4-140 °F (-20-60 °C)

BATTERY PACK INSTALLATION AND REMOVAL

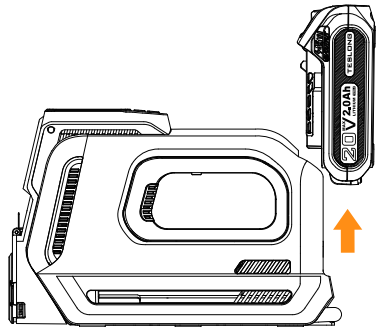
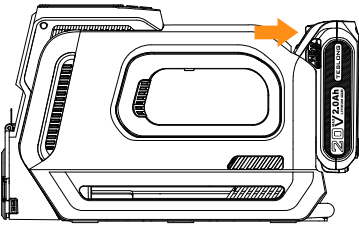
This car air pump is equipped with a removable external battery pack.

■ Installing the Battery Pack



- Insert the battery pack into the power unit until an audible click is heard.
- Ensure the battery pack is firmly seated and latched into position.

■ Removing the Battery Pack



- Press the battery release button.
- Pull the battery pack straight up to remove it from the device.

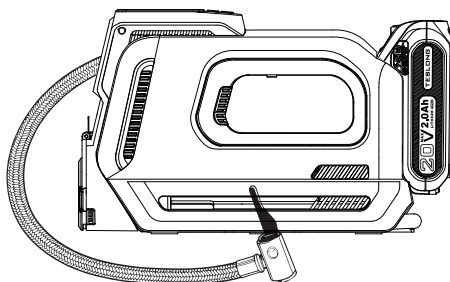
▲ Note:

Always turn off the device before removing or installing the battery pack.

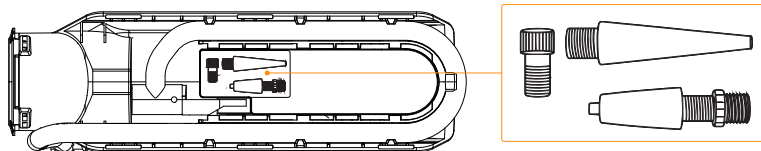
HOW TO USE

■ How to Assemble

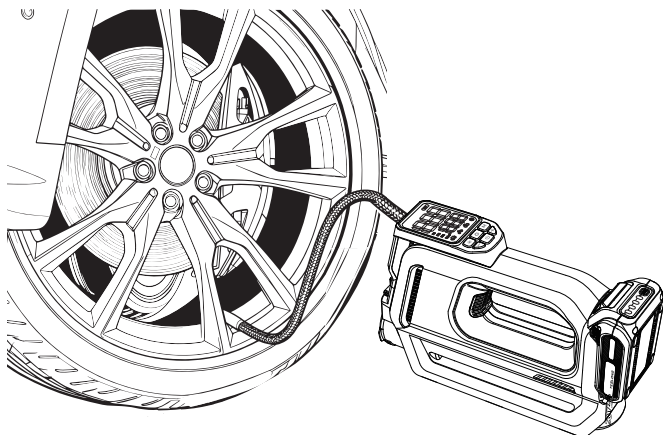
STEP 1: Remove the inflation hose wrapped around the device.



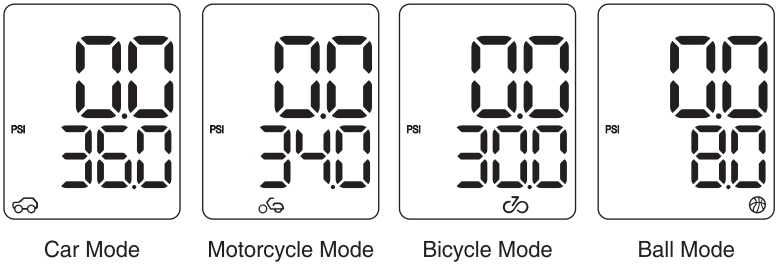
STEP 2: Attach the appropriate nozzle. (nozzles are stored in the bottom cover of the device).



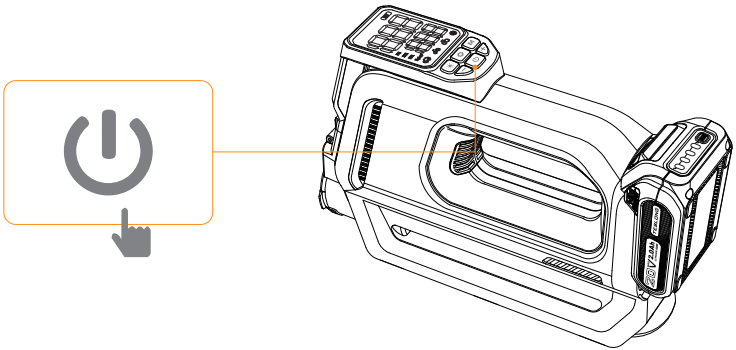
STEP 3: Connect to the object to be inflated.



STEP 4: Adjust the mode (unit or value).

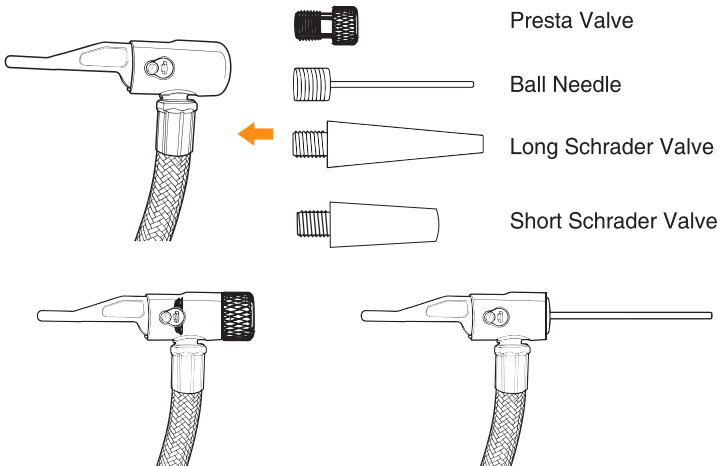


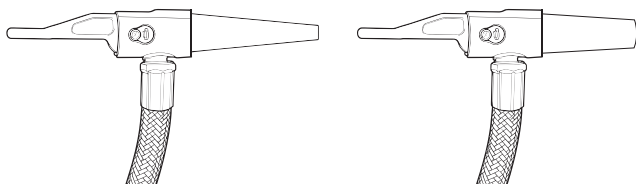
STEP 5: Press the power button briefly to start (the device will automatically stop when the preset value is reached).



■ Selecting Valve Type

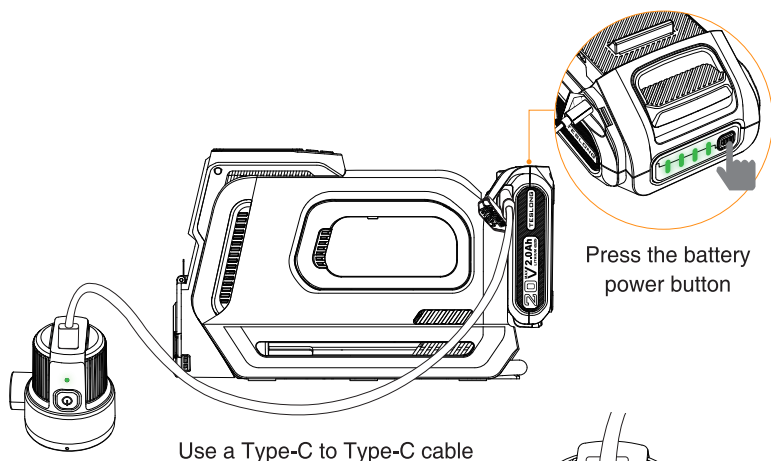
- Select the valve according to your needs and install it to the corresponding port to use.



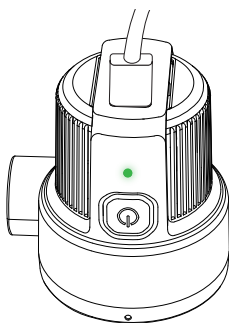


■ Air Pump

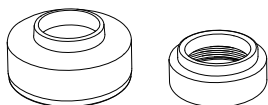
STEP 1: Use a Type-C to Type-C cable to connect the battery to the air pump, then press the battery power button to start.



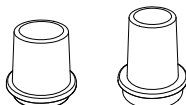
A green light indicates that the power is connected.



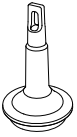
STEP 2: Screw on the appropriate nozzle.



Commonly used for vacuum storage bags and similar products.



Commonly used for outdoor inflatable beds, inflatable cushions, and similar products.

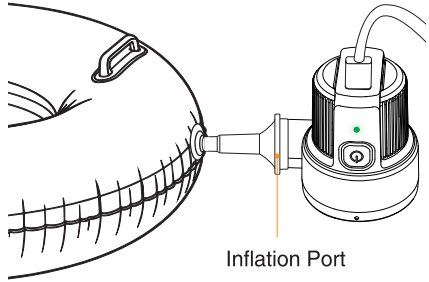


Commonly used for swimming rings, inflatable toys, and similar products.

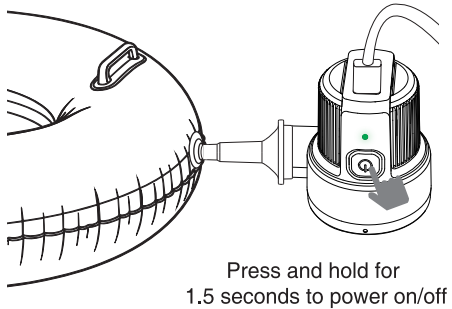


For small inflatable boats with external inflation ports.
Detachable nozzle.

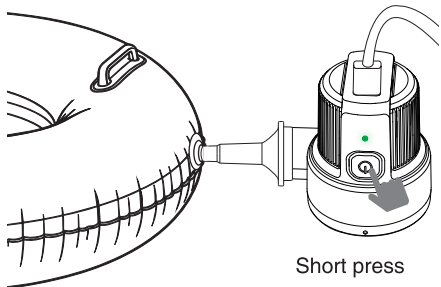
STEP 3: Connect the air pump to the object to be inflated.



STEP 4: Press and hold the power button for 1.5 seconds to turn on /off. (the indicator light will show green)



STEP 5: Press to switch wind power (2 levels):
High → Low → High cycles.















▲ Note: To prevent the air pump from overheating, it will automatically stop after 15 minutes of operation. After a 5-minute pause, it can be used again.

TROUBLESHOOTING GUIDE

Problem	Possible Cause	Possible Solution
Pump Does Not Start	Power cord not properly connected	Check and reconnect the power plug
	Power switch not turned on	Turn on the power switch
	Battery pack not installed or low power (for cordless type)	Recharge or reinstall the battery pack
Low or No Air Pressure	Air hose leaking or not securely connected	Check the air hose and tighten all connections
	Valve connector not properly attached	Reattach valve connector securely
	Air nozzle or hose blocked	Clean or replace blocked parts
Pump Stops During Operation	Motor overheated due to extended operation beyond the recommended time	Turn off the pump and allow it to cool for at least 10 minutes
	Overload protection activated	Restart the pump after it has cooled down
Abnormal Noise or Vibration	Pump placed on an uneven surface	Place the pump on a flat, stable surface
	Internal parts loose or damaged	Stop use immediately and contact a service center
Pressure Gauge Not Working	Pressure gauge damaged	Stop use and contact service center
	Internal connection issue	
Cannot Reach Preset Pressure	Air leakage from tire or hose	Check for leaks and repair as needed
	Tire volume too large for the pump capacity	Ensure tire size matches pump capacity
	Pump internal wear	Contact after-sales support

SYMBOLS

The label on your tool may include the following symbols. The symbols and their definitions are as follows:

	Read the instruction manual to reduce the risk of injury
	Indicates a potential injury hazard
	Lithium-ion battery, battery must be recycled
	Use proper respiratory protection
	Use proper eye protection
	Use proper hearing protection
	Risk of long hair being drawn into air inlet
V	Volts
A	Amperes
Hz	Hertz
W	Watts
min	Minutes
.../min or rpm	Revolutions or reciprocation per minute
	Alternating current
	Direct current
n_0	No load speed
	Class I construction (Grounded)
	Class II construction (Double insulated)
	Earthing terminal

REGULATORY INFORMATION

FCC Information

Changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Compliance

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy. If it is not installed and used in accordance with the instructions, it may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception—determined by turning the equipment off and on—the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from the one the receiver is connected to.
- Consult the dealer or an experienced radio/TV technician for assistance.

FCC Conditions

This device complies with Part 15 of the FCC Rules. Operation is subject to the following conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.



Customer Service

Please contact us if you have any questions,
we would love to hear from you.



To review your warranty coverage
please visit www.teslong.com/warranty



Lifetime Technical Support



support@teslong.com



1-877-899-8809 (US)
(Mon-Fri, 8:00 AM-5:00 PM PST)



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