

ENGLISH: Original instructions

# LITTLE BEAVER

INSTRUCTION MANUAL

## Blower

### DUEBWR-20V-4AH



Read before use.

# SPECIFICATIONS

Model No	DUEBWR-20V-4AH
Rated Voltage	20V d.c.
No-load Speed	18000±10% r/min
Max. air flow	280 CFM / 475 mS/h
Max. air speed	100mph
Charing Time	up to 160 min
Run Time	up to 22 min
Protection	IPX1

## Battery Charger

Model No	DUACHG1-20V-2AH/4A
Rating	input:100-240V 50/60Hz 45W max output:20VDC 1.5A 34W max
Protection	IPX4

## Battery

Model No	DUABAT-20V-4AH
Technical data	20V 4Ah 80Wh
Protection	IPX0

Recommended operating temperature	14– 104°F (-10– 40°C)
Recommended storage temperature	32 – 104°F (0– 40°C)
Recommended charging temperature	41 – 95°F (5 – 35°C)

**⚠WARNING:** Only use the Authorized battery cartridges and chargers . Use of any other battery cartridges and chargers may cause injury and/or fire.

**⚠WARNING:** Do not use a corded power supply such as battery adapter or portable power pack with this machine. The cable of such power supply may hinder the operation and result in personal injury.

### Intended use

Our blower has been designed for leaf clearing. These appliances are intended for consumer use only.

## Safety instructions

**Warning!** When using mains-powered/cordless appliances, basic safety precautions, including the following, should always be followed to reduce the risk of fire, electric shock, personal injury and material damage.

- ◆ Read all of this manual carefully before operating the appliance.
- ◆ The intended use is described in this manual. The use of any accessory or attachment or the performance of any operation with this appliance other than those recommended in this instruction manual may present a risk of personal injury.
- ◆ Retain this manual for future reference.

## Using your appliance

Always take care when using the appliance.

- ◆ Always use safety glasses or goggles.
- ◆ Never allow children, persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge or people unfamiliar with these instructions to use the machine, local regulations may restrict the age of the operator. Never operate the machine while people, especially children, or pets are nearby.

- ◆ Do not allow children or animals to come near the work area or to touch the appliance or power supply cord.
- ◆ Close supervision is necessary when the appliance is used near children.
- ◆ This appliance is not intended for use by young or infirm persons without supervision.
- ◆ This appliance is not to be used as a toy.
- ◆ Only use the appliance in daylight or good artificial light.
- ◆ Use in a dry location only. Do not allow the appliance to become wet.
- ◆ Avoid using the appliance in bad weather conditions, especially when there is a risk of lightning.
- ◆ Do not immerse the appliance in water.
- ◆ Do not open the body casing. There are not user-serviceable parts inside.
- ◆ Do not operate the appliance in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.
- ◆ The appliance is only to be used with the power supply unit provided with the appliance.

## Residual risks.

Additional residual risks may arise when using the tool which may not be included in the enclosed safety warnings.

These risks can arise from misuse, prolonged use etc.

Even with the application of the relevant safety regulations and the implementation of safety devices, certain residual risks can not be avoided.

These include:

- ◆ Injuries caused by touching any rotating/moving parts.
- ◆ Injuries caused when changing any parts, blades or accessories.
- ◆ Injuries caused by prolonged use of a tool. When using any tool for prolonged periods ensure you take regular breaks.
- ◆ Impairment of hearing.
- ◆ Health hazards caused by breathing dust developed when using your tool (example:- working with wood, especially oak, beech and MDF.)

## After use

- ◆ When not in use, the appliance should be stored in a dry, well ventilated place out of reach of children.
- ◆ Children should not have access to stored appliances.
- ◆ When the appliance is stored or transported in a vehicle it should be placed in the boot or restrained to prevent movement following sudden changes in speed or direction.

## Inspection and repairs

- ◆ Before use, check the appliance for damaged or defective parts. Check for breakage of parts and any other conditions that may affect its operation.
- ◆ Do not use the appliance if any part is damaged or defective.
- ◆ Have any damaged or defective parts repaired or replaced by an authorised repair agent.

- ◆ Never attempt to remove or replace any parts other than those specified in this manual.

## Additional safety instructions for blowers

The intended use is described in this manual. The use of any accessory or attachment or performance of any operation with this appliance other than those recommended in this instruction manual can present a risk of personal injury and/or damage to property.

- ◆ To protect your feet and legs while operating the appliance, always wear heavy duty footwear and long trousers.
- ◆ Always switch off your product, allow the fan to stop and remove the battery when:
  - ◆ You leave your product unattended.
  - ◆ Clearing a blockage.
  - ◆ Checking, adjusting, cleaning or working on your product.
  - ◆ If the appliance starts to vibrate abnormally.
- ◆ Do not place the inlet or outlet of the vacuum near eyes or ears when operating. Never blow debris in the direction of bystanders.
- ◆ Do not use in the rain or leave outdoors while it is raining.
- ◆ Do not cross gravel paths or roads whilst your product is switched. Walk, never run.
- ◆ Do not place your unit down on gravel while it is switched on.
- ◆ Always be sure of your footing, particularly on slopes.

Do not overreach and keep your balance at all times.

- ◆ Do not place any objects into the openings. Never use if the openings are blocked - keep free of hair, lint, dust and anything that may reduce the airflow.

## Vibration

The declared vibration emission values stated in the technical data and the declaration of conformity have been measured in accordance with a standard test method provided by EN50636 and may be used for comparing one tool with another. The declared vibration emission value may also be used in a preliminary assessment of exposure.

**Warning!** The vibration emission value during actual use of the power tool can differ from the declared value depending on the ways in which the tool is used. The vibration level may increase above the level stated.

When assessing vibration exposure to determine safety measures required by 2002/44/EC to protect persons regularly using power tools in employment, an estimation of vibration exposure should consider, the actual conditions of use and the way the tool is used, including taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time.

**Warning!** Always use your product in the manner outlined in this manual.

Your product is designed to be used in an upright mode and if it is used in any other way it may result in injury. Never run your product whilst lying on it's side or upside down.

- ◆ The operator or user is responsible for accidents or hazards occurring to other people or their property.
- ◆ Do not use solvents or cleaning fluids to clean your product. Use a blunt scraper to remove grass and dirt.
- ◆ Keep all nuts bolts and screws tight to make sure that the appliance is in a safe working condition.

## Safety of others

- ◆ This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- ◆ Children should be supervised to ensure that they do not play with the appliance.

## **Garden blower safety warnings**

- ♦ **Do not use the machine in bad weather conditions, especially when there is a risk of lightning.** *This decreases the risk of being struck by lightning.*
- ♦ **Wear eye protection and ear protection.** *Adequate protective equipment will reduce the risk of personal injury.*
- ♦ **While operating the machine, always wear non-slip and protective footwear. Do not operate the machine when barefoot or wearing open sandals.** *This reduces the risk of injury to the feet.*
- ♦ **Do not wear loose fitting clothing or articles such as scarves, strings, chains, ties, etc., that could get drawn into the air inlets. Tie back or cover long hair to make sure it does not get drawn into the air inlets.** *If any of these items are drawn into the air inlets, it can increase the risk of personal injury.*
- ♦ **Keep bystanders away while operating the machine.** *Thrown debris can increase the risk of personal injury.*
- ♦ **Never point the blower nozzle in the direction of people or pets or in the direction of windows. Use extra caution when blowing debris near solid objects, such as trees, automobiles and walls that can cause debris to ricochet.** *Thrown objects can damage property and increase the risk of personal injury.*
- ♦ **Do not use the machine to pick up or blow anything that is burning or smoking, such as cigarettes, matches or hot ashes.** *These ignition sources may increase the risk of fire.*
- ♦ **Do not touch the fan while still in motion. Turn off the machine and wait until the fan stops before removing any part that may give access to the fan.** *This reduces the risk of injury from moving parts.*
- ♦ **When clearing jammed material or servicing the machine, make sure the power switch is off.** *Unexpected starting of the machine while clearing jammed material or servicing may result in serious personal injury.*

## Additional safety instructions for batteries and chargers

### Batteries

- ◆ Never attempt to open for any reason.
- ◆ Do not expose the battery to water.
- ◆ Do not store in locations where the temperature may exceed 40 °C.
- ◆ Charge only at ambient temperatures between 5 °C and 35 °C.
- ◆ Charge only using the charger provided with the tool.
- ◆ When disposing of batteries, follow the instructions given in the section "Protecting the environment".

### Chargers

- ◆ Use your authorized charger only to charge the battery in the tool with which it was supplied. Other batteries could burst, causing personal injury and damage.
- ◆ Never attempt to charge non-rechargeable batteries.
- ◆ Have defective cords replaced immediately.
- ◆ Do not expose the charger to water.
- ◆ Do not open the charger.
- ◆ Do not probe the charger.



The charger is intended for indoor use only.



Read the instruction manual before use.

## Electrical safety

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- Your charger is double insulated; therefore no earth wire is required. Always check that the mains voltage corresponds to the voltage on the rating plate. Never attempt to replace the charger unit with a regular mains plug.
- ◆ If the supply cord is damaged, it must be replaced by an authorized dealer in order to avoid a hazard.

### Labels on appliance

The following warning symbols are found on the appliance along with the date code:



Read the manual prior to operation.



Wear safety glasses or goggles when operating this appliance.



Wear suitable ear protectors when operating this appliance.



Warning; Disconnect battery before maintenance.

**K**  
**R**

Beware of flying objects. Keep bystanders away from the cutting area.

Do not expose the appliance to rain or high humidity.

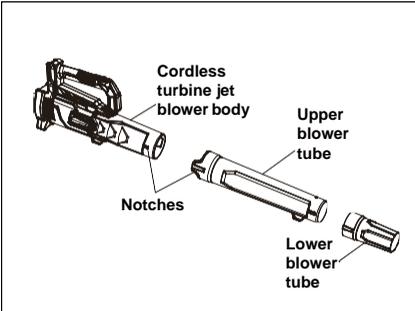
### Features

This appliance includes some or all of the following features.

1. On / Off Switch
2. Blower Upper and LowerTube
3. Battery and Charger

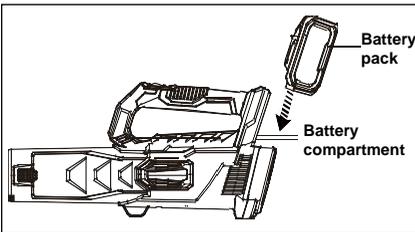
### To fit the blower tube

- ◆ Align the notches on the cordless turbine jet blower body with the notches on the upper blower tube and slide together until they click into place. Repeat with the upper tube and the lower tube, making sure they click into place



### To install battery pack

- ◆ Insert battery pack into tool until an audible click is heard as shown below. Make sure battery pack is fully seated and fully latched into position.

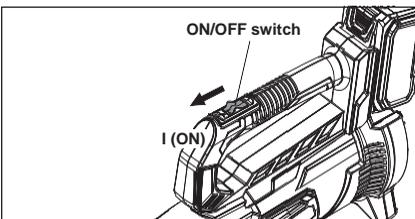


### Switching on and off

**Warning!** Use both hands to grip the product firmly when switching on.

**Warning!** Do not point unit discharge at self or bystanders.

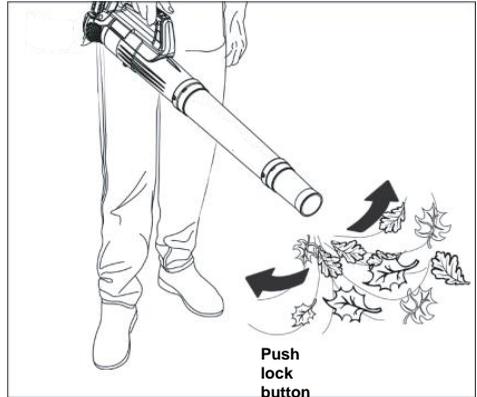
- ◆ To switch the on, slide the on/off switch forward
- ◆ To switch the cordless turbine jet blower off, slide the on/off switch back.



### Operation

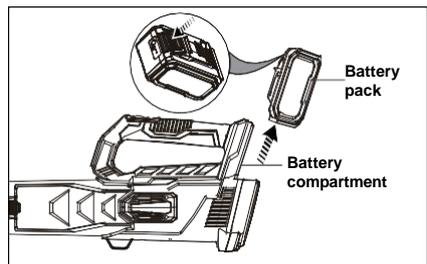
**Warning!** Always wear safety glasses. Wear a filter mask if the operation is dusty. Use of gloves, long pants and substantial footwear is recommended. Keep long hair and loose clothing away from openings and moving parts. THIS TURBINE JET BLOWER IS FOR HOUSEHOLD USE ONLY.

- ◆ Hold the cordless turbine jet blower with one hand as shown below and sweep from side to side with the nozzle several inches above the ground. Slowly advance keeping the accumulated pile of debris in front of you.



### To remove battery pack

- ◆ Depress the battery release button in the battery pack and pull battery pack out of tool assembly



## Troubleshooting

Problem	Possible cause	Possible solution
Unit will not start.	Battery not installed properly.	Check battery installation.
	Battery not charged.	Check battery charging requirements.
Battery will not charge.	Battery not inserted into charger.	Insert battery into charger until green LED appears.
	Charger not plugged in.	Plug charger into a working outlet. Refer to "Important Charging Notes" for more details.
		Check current at receptacle by plugging in a lamp or other appliance.
		Check to see if receptacle is connected to a light switch which turns power off when you turn out the lights.
Surrounding air temperature too hot or too cold.	Move charger and tool to a surrounding air temperature of above 40 degree F (4.5°C) or below 105 degree F (+40.5°C).	

## Protecting the environment

**Z** Separate collection. Products and batteries marked with this symbol must not be disposed of with normal household waste.

Products and batteries contain materials that can be recovered or recycled reducing the demand for raw materials. Please recycle electrical products and batteries according to local provisions.