

Operating Instructions for the BRUM AIR



VERY IMPORTANT

When you are not using the machine, REMOVE THE BATTERY FROM THE UNIT

If you are storing the battery for several months, periodically RECHARGE THE BATTERY every few months. Storing a discharged battery for long periods will drastically shorten its life and will eventually cause total failure of the battery, requiring its replacement.

Brum Air

Thank you for choosing Distrame's BRUM AIR. You now own a sturdy and portable state-of-the-art smoke machine. Prior to use, we recommend that you carefully read all the instructions. By following the suggestions found in this user manual, you can look forward to exceptional performance from your unit for years to come.

Specifications

- **Output:** 2.8m³ per min
- **Power Consumption:** 75W
- **Tank Capacity:** 110 cc
- **Battery:** DC 12V / 2.3 Ah
- **Consumption:** 2ml per min.
- **Weight:** 2.7kg
- **Dimensions (mm):** L 227 W 66 H 81
- **Continuous Output Duration:**
10 – 12 minutes (battery)
50 – 60 minutes (optional mains adaptor)

Important Notes and Warnings

- Keep this device dry.
- Always **remove the battery** or **unplug the power adaptor** to your BRUM AIR Smoke Machine before filling the liquid tank.
- Keep the unit upright.
- **Remove the battery** or unplug the power adaptor when not in use. **This is very important!** Leaving the battery in the machine for long periods will discharge the battery to such an extent that it will not accept a re-charge.
- This machine is NOT water proof or splash proof. If moisture, water, or fog liquid gets inside the housing, immediately remove power and contact your distributor before using again.
- No user serviceable parts inside. Refer to your distributor or other qualified service personnel.
- Never leave the unit running unattended.
- Keep nozzle at least 50cm (20") away from contact with anything while in operation.
- The fog vapour at point of release is under pressure and is extremely hot. Ensure that objects are kept at least 50cm from the smoke nozzle
- Never aim the output nozzle directly at people.
- Use in a well-ventilated area. Never cover the vents on the front of the BRUM AIR. Never aim the output nozzle at open flames.
- The output nozzle becomes hot during operation. Keep flammable materials at least 50cm away from the nozzle.

- Always allow your BRUM AIR to cool down before attempting to clean or service it.
- Do not expose the battery to excessive heat, keep away from open flames.
- Only use the supplied BRUM AIR Smoke Fluid. The use of other types of fluid can lead to wet smoke, toxic smoke and machine damage and invalidate your warranty.
- Always make sure there is sufficient Smoke Fluid in the liquid tank. The fluid level can be monitored via the window at the back of the machine.
- Operating this unit without Smoke Fluid will cause damage to the pump and the heater.
- If your BRUM AIR fails to work properly, discontinue use immediately. Drain all Smoke Fluid from the tank, pack the unit securely (preferably in the original packing material), and return it to distributor for service.
- Always drain Smoke Fluid from tank before shipping or transporting this unit.
- Never drink Smoke Fluid. If it is ingested, call a doctor immediately. If Smoke Fluid comes in contact with skin or eyes, rinse thoroughly with water. Health & Safety data for the Smoke Fluid available upon request.

Unpacking & Inspection

- Open the shipping carton and check that all equipment necessary to operate the system has arrived intact. In addition to this user manual, you should receive the following items:
 - BRUM AIR smoke system
 - 12V – 2.3Ah rechargeable battery
 - Rechargeable battery charger and cable
 - 500ml bottle Smoke Fluid
 - Flight case
- Before beginning initial setup of your BRUM AIR, make sure that there is no damage caused by transportation.
- In the event that the unit's housing or cable is damaged, do not plug it in and do not attempt to use it until after contacting your distributor for assistance.

Setup

- Remove all packing materials. Check that all foam and plastic padding is removed, especially in the nozzle area.
- Fill the unit with BRUM AIR Smoke Fluid. When filled, place cap back on liquid tank and tighten.
- Charge the battery. Plug the adaptor into a grounded electrical outlet. Then connect the charging head to the battery. Please note the battery requires an 8 hour charging time on first charge. After this, subsequent charges will take approximately 2-3 hours for the battery to be fully charged.
- A fully charged battery will last between 10-12 minutes of constant smoke output before needing to be re-charged.

- Plug the charged battery into the bottom of the BRUM AIR with the label face down (the electrical contact should be on the right hand side)

Operation

Note: There is no warm-up time with the BRUM AIR.

The BRUM AIR makes smoke on a toggle basis (ie pressing the smoke button once starts smoke, pressing again stops smoke).

- Start smoke by pressing the button on the handle. The LED will flash green, and after 1 or 2 seconds smoke will be produced.
- The BRUM AIR will fog continuously until the button is pressed a second time. Note that the Green LED will continue to flash for approximately 10 seconds after switch off
- When the LED flashes Red the battery needs to be recharged. The machine will still be able to make smoke for a very short period of time after the red light begins flashing.
- **VERY IMPORTANT – to prevent damage to the battery, remove the battery from the BRUM AIR when you have finished using the machine.**
- The machine will fog until the battery charge runs down or the BRUM AIR runs out of fog fluid. When the BRUM AIR is connected to the optional mains power adaptor, carefully monitor the level of the fog liquid to make sure the machine does not run out of liquid. Operating continuously, the machine will run out of liquid in approximately 50 minutes.
- A fully charged battery will power the BRUM AIR for a period of 10-12 minutes before needing to be recharged.
- The machine can be operated at an angle that ensures the smoke fluid in the bottle is drawn into the machine. In practise this means that, provided the reservoir is full the unit can be used to generate smoke +/- 45° from the horizontal plane. Ensure that the filler cap is tightened though!

Note: To remove the battery, lift the silver clip on the rear face of the BRUM AIR and then pull the battery out.

Optional Remote Control Operation

An optional Wireless Remote Control is available:
Contact your distributor

Optional Mains Power Adaptor

When desired the BRUM AIR can be powered by an optional mains power adaptor which plugs into a standard electrical outlet. The adaptor connects to a dummy battery which plugs into the battery slot on the BRUM AIR. This allows for extended operation of the BRUM AIR.

Important

- Always remove the battery from the unit when not in use. Leaving the battery in the machine for long periods will damage the battery.
- Always monitor tank fluid level as you are producing smoke. Running a BRUM AIR with no fluid in the tank can permanently damage the unit.
- If you experience low output, pump noise or no output at all, remove the battery immediately. Check fluid level and re-charge the battery. When the liquid tank is full and the battery is charged, plug the battery in and press the button on the handle.
- If the LED does not flash either red (for low battery) or green (for good battery) when you insert the battery, then try using a new, fully charged battery instead.
- If the machine is still not working and you are unable to determine the cause of the problem, do not open the case. There are no user serviceable parts inside. Return the machine to your distributor for service.

Performance Notes

- All smoke machines develop condensation around the output nozzle.
- The BRUM AIR may produce small puffs of smoke occasionally during operation and for up to a minute or so after being turned off. This is normal and is not indicative of a defect.
- After continuous operation, the case of the BRUM AIR will become warm, especially at the front of the machine. Take care in handling the machine during and shortly after fogging. Only carry the BRUM AIR by the handle and let the machine cool down before packing it in a carry case. Remove the battery from the machine before packing it in the case.

Radio Remote Control System

If using the Radio Remote always ensure the battery is fully charged or use a mains adaptor with dummy battery. Always ensure the BRUM AIR has sufficient smoke fluid in its tank.

Preparation

Connect receiver to Brum Air as Shown
Press the **Red** Reset button on the key fob

To produce smoke using the key fob

Press the **Blue** button. Smoke will start to be produced within 2-3 seconds
Press the **Red** Reset button so the machine is ready to receive the next command

To stop producing smoke using the key fob

Press the **Blue** button. Smoke will stop within 8-10 seconds. (The LED on the Brum Air will now flash to indicate that the receiver must be reset before operating the unit again).
Press the **Red** Reset button **as soon as smoke production has stopped** to prevent the battery from discharging (the LED on the machine will stop flashing green) and so that the machine is ready to receive the next command. If you cannot check that the LED on the unit has stopped flashing, we suggest pressing the **Red** button a second time (for 2 seconds) - to minimize the chances of the unit being left with the green LED flashing (which discharges the battery more quickly).



Remember:

Press the **Red** Button = Reset receiver, ready to accept the next command
Press the **Blue** Button = Command

LIMITED WARRANTY

The manufacturer provides this Limited Warranty to you who have purchased the product included in the sales package ("product")

The manufacturer warrants to you that during the warranty period will in a commercially reasonable time remedy defects in materials, design and workmanship free of charge by repairing or, should Manufacturer in its discretion deem it necessary, replacing the product in accordance with this Limited Warranty (unless otherwise required by law).

Warranty Period

The warranty period starts at the time of the products original purchase by the first end-user. The product may consist of several different parts and different parts may be covered by a different warranty period the different warranty periods are:

12 months for the machine and accessories

90 days for the following consumable parts and accessories: batteries, fluid

As far as your national laws permit, the warranty period will not be extended or renewed or otherwise affected due to subsequent resale, the manufacturer authorised repair or replacement of the product. However, parts repair or replacement product during the warranty period will be warranted for the remainder of the original warranty period or for 60 days from the date of repair or replacement, whichever is longer.

Any failure of equipment must relate to faulty components and/or workmanship, and not be caused by abuse or incorrect operation of the equipment by the customer or his representative, such as the use of Smoke Fluids not supplied by the manufacturer, the unauthorised modification of the equipment, and the lack of recommended preventative maintenance. Such misuse of equipment automatically makes the warranty null and void.

Carriage costs are chargeable in all cases.

The manufacturer Limited Warranty does not cover user manuals or any third-party accessories or modifications, whether included in the product, whether included during instalment, assembly, shipping, or at any other time in the delivery chain or otherwise and in any way acquired by you.

The manufacturer does not warrant that any smoke fluid other than that recommended for this machine will meet your requirements, will work with the machine, will not damage the machine and will not produce a toxic fog. Safe smoke is your responsibility.

This Limited Warranty does not cover normal wear and tear (including, without limitation, wear and tear of batteries or remote controls), defects caused by rough handling (including, without limitation, defects caused by sharp items by bending, compressing or dropping, etc) or defects or damage caused by misuse of the product including use that is contrary to the instructions provided by the manufacturer (e.g. as set out in the product operating manual) and/or other acts beyond the reasonable control of the manufacturer.

This Limited Warranty does not cover defects or other alleged defects caused by the fact that the product was used with, or connected to, any product, accessories, remote control and/or service not manufactured, or supplied by the manufacturer or was used otherwise than for its intended use.

This Limited Warranty does not cover defects caused by the fact that the battery has been short-circuited or by the fact that the seals of the battery enclosure or the cells are broken or show evidence of tampering or by the fact that the battery has been used in equipment other than those for which it has been specified or by the fact that the battery has been left inside the machine for longer than necessary discharging it to such an extent that it is impossible to recharge. If storing the battery for a period of time, please charge the battery every 90 days of storage to prevent discharge damage.

This Limited Warranty is not enforceable if the product has been opened, modified or repaired by anyone other than an authorised service centre. If it is repaired using unauthorised spare parts this shall be determined in the sole discretion of the manufacturer.

This Limited Warranty is not enforceable if the product has been exposed to moisture, to dampness or to extreme thermal or environmental conditions or to rapid changes in such conditions, to corrosion, to oxidation, to spillage of food or liquid or to influence from chemical products.

