

User instructions

Orbis - OBB 1500

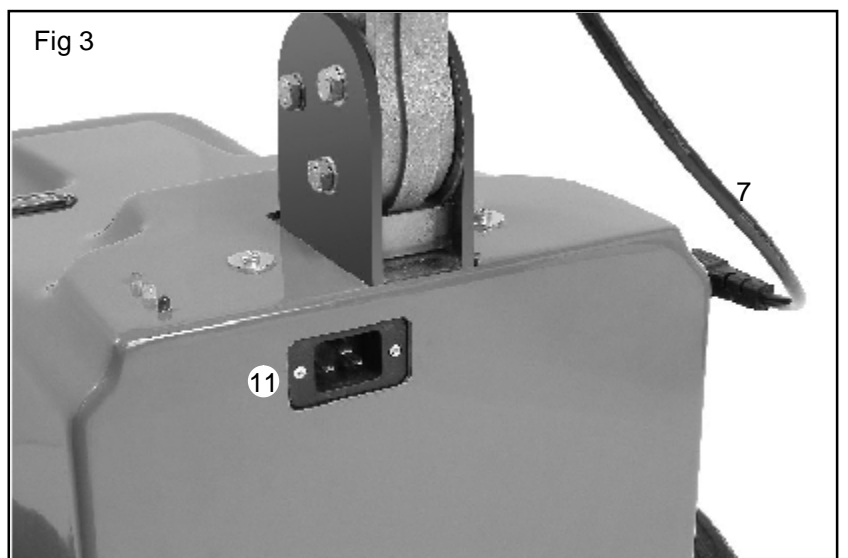
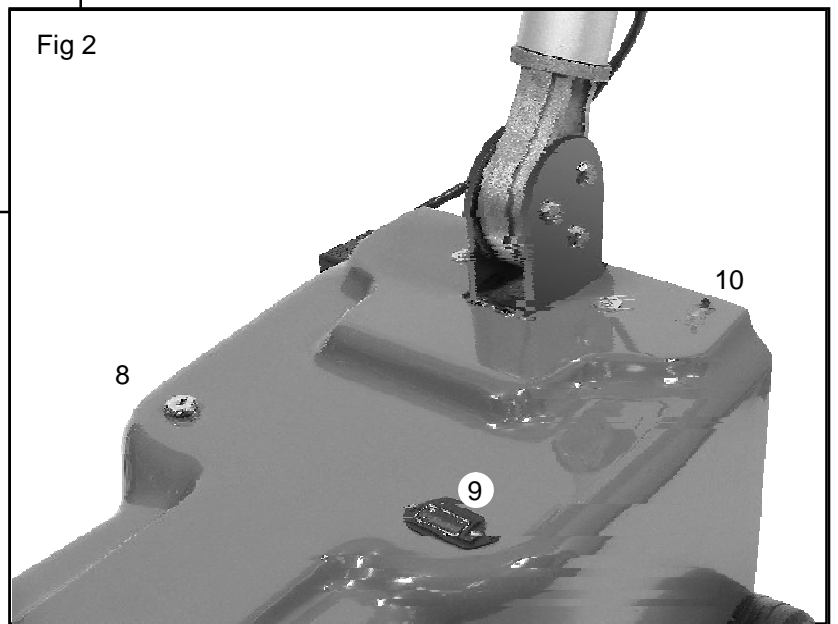
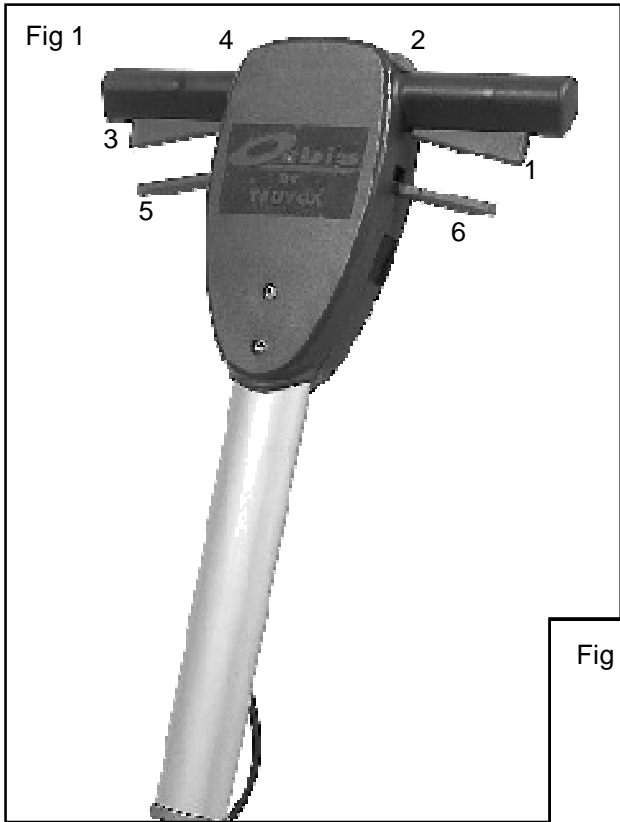
Battery powered burnisher



CAUTION - READ THESE INSTRUCTIONS BEFORE USING THE MACHINE

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IMPORTANT

READ THESE INSTRUCTIONS CAREFULLY AND RETAIN FOR FUTURE REFERENCE

1 Product information

This commercial battery powered burnisher is the latest innovation at the forefront of daytime cleaning. Its quietness of operation and compact design make it ideal for use in a variety of environments. It is especially suited for use on hard floors in hotels, schools, hospitals, factories, retail shops and stores, and offices.

Maintenance free (gel) batteries must be used which provide up to 2 hours running time. A battery life indicator allows the operator to assess the degree of battery life available, and an on board battery charger enables convenient charging when the batteries are discharged.

The machine can be fitted with an optional handle mounted cleaning solution spray system, which can be operated whilst gripping the handle with both hands thereby maintaining full control of the machine.

The following instructions contain important information about the machines and safety advice for the operator.

Equipment must be operated, serviced and maintained in accordance with the manufacturer's instructions.

If in doubt contact the supplier of your machine.

1.1 Important Safety Advice

When using electrical equipment basic safety precautions should be followed including the following.

- Read all instructions carefully before use.
- Keep children and unauthorised persons away from the machine when in use.
- **Do not** leave the key in the operating switch when not in use, always remove the key.
- **Do not** operate the machine if the machine malfunctions or is damaged in any way. Contact an authorised Service Agent for repair or adjustment.
- **Do not** operate the machine when connected to the mains electrical supply.
- The key of the operating switch must be removed before commencing cleaning of the machine or undertaking maintenance operations.
- After battery charging, disconnect electrical supply before unplugging charging lead from machine.
- When unplugging pull the plug, not the cord.
- The battery charging lead is to be regularly inspected for signs of damage. If the lead is damaged, it has to be replaced.
- **Do not** use where hazardous dust is present.
- **Do not** use in an explosive atmosphere.
- Take care when using a machine near the top of stairs to avoid overbalancing.

1.2 Guidelines for the operator

- Operators must be fully trained in the use of the machine in accordance with these instructions, able

to perform user maintenance and the correct selection of accessories, i.e. pads etc.

- Operators should be physically capable to manoeuvre, transport and operate the machine.
- Operators should be able to recognise unusual operation of the machine and report any problems.
- Keep hands and feet well clear of rotating pad.
- Wear suitable footwear to avoid slipping.
- Wear suitable clothing to keep dry and warm.
- Where possible implement job rotation and adequate rest periods to avoid continuous use of the same muscles.
- **Do not** smoke when using the machine.
- **CAUTION** - This machine is for dry use only and should not be used or stored outdoors in wet conditions.

1.3 Transporting the machine

CAUTION - THIS MACHINE IS HEAVY

Do not attempt to lift the machine without mechanical assistance. Do not lift the machine by the handle or outer cover, always lift from the chassis. Use a mechanical lift, hoist or forklift and ensure the machine is adequately supported and secured before lifting. Incorrect lifting techniques may result in personal injury.

To move the machine to the work area:

- i) with pad fitted - lock the handle and tilt it backwards to raise the front off the floor, and wheel into position.
- ii) without pad - lock handle at a comfortable height and wheel machine into position.

CAUTION - Bumping over thresholds, kerbs and similar obstacles can damage the machine. Small obstacles can be overcome by pulling the machine backwards.

2 Preparing for use

2.3 Electrical connection

Before connecting the machine to the power supply for battery charging, check that your supply voltage corresponds with that marked on the rating label on the handle of the machine.

UK only

The charging lead is fitted with a non rewirable plug containing a 13 amp fuse. Should the fuse require replacement it must only be replaced by a 13 amp fuse conforming to BS1362, and the fuse cover must be refitted. If the fuse cover is lost the plug **must not** be used until the correct replacement cover is fitted.

IMPORTANT - If the charging lead is damaged, it must only be replaced by a special cord available from the manufacturer or an authorised service agent.

WARNING - THIS APPLIANCE MUST BE EARTHED

3 Controls

The main operating controls are located on the handle

1 - Switch trigger, left hand (fig 1)

Used to switch motor ON and OFF. Can only be operated with handle in working position, and if left hand interlock button (2) has previously been depressed

2 - Interlock button, left hand (fig 1)

This must be depressed initially to enable left hand switch trigger to switch motor on.

3 - Switch trigger, right hand (fig 1)

Used to switch motor ON and OFF. Can only be operated with handle in working position, and if right hand interlock button (4) has previously been depressed.

4 - Interlock button, right hand (fig 1)

This must be depressed initially to enable right hand switch trigger to switch motor on.

5 - Handle adjustment lever (fig 1)

Used to adjust handle to comfortable working height. **Note:** For safety reasons the machine cannot be operated unless the handle is moved to a working height.

6 - Solution feed lever (fig 1)

Operates flow valve in spray bottle (if fitted).
- Pull lever to release solution.
- Release lever to stop flow.

7 - Handle drop lead (fig 3)

Connects battery to controls.

8 - Key operated switch (fig 2)

Switches battery power ON and OFF.

9 - Battery life indicator (fig 2)

Gives indication of battery life available.

10 - Battery charge indicator lights (fig 2)

Show charge state of battery.

11 - Socket connector (fig 3)

Connection point for battery charging lead.

12 - Battery charging lead (not shown)

Connects machine to electricity supply for battery charging.

3.1 Fitting pads

WARNING - This appliance has been designed for use with the pads specified by the manufacturer. The fitting of other pads may affect its performance and safety.

Always ensure machine is switched OFF by the key operated switch and the key removed before fitting or removing pads.

- Raise cleaning head by locking the handle in the upright position and pulling handle backwards to rest on the floor.
- **CAUTION - If spray bottle is fitted, lower handle gently to avoid damaging bottle.**
- Press cleaning pad centrally onto drive disc.
- Return machine to upright position.
- **IMPORTANT - Never allow the cleaning head to rest on the pad when not in use. Always remove the pad after use.**

3.2 Adjusting the handle height

Select the most comfortable handle height using the adjustment lever as previously described (see **Controls**) and lock in position.

4 Operation

4.1 Starting the machine

- Turn the key operated switch to the ON position.
- With the handle set at a comfortable working height and with both left and right hands on the handle, depress both interlock buttons with the thumbs and squeeze both switch triggers to start the machine (Fig.3).
- **WARNING - Never start the machine without pads fitted.**
- Once the machine has started the push buttons can be released. The machine will operate with either or both of the switch triggers held.
- To stop the machine release both switch triggers.
- Normal movement of the machine is in a **forward and backward** direction.

4.2 Burnishing

- Fit pads suitable for the speed of the machine and the surface to be polished, as recommended by the pad manufacturer.
- Apply cleaning solution to the floor in accordance with the manufacturer's instructions.
- **Do not keep the machine rotating on one spot, as this could cause overheating and damage the floor surface.**

4.3 Cleaning solutions

The choice of cleaning solution is at the discretion of the operator, when assessing the surface to be cleaned. Cleaning solutions are only recommended for stubborn marks and should not be used as a general cleaning aid.

4.4 When cleaning is finished

- Switch OFF machine, raise cleaning head and remove pad.
- Wipe over the machine with a damp cloth.
- Check battery life indicator and recharge as necessary.

4.5 Recharging the batteries

- **IMPORTANT** - Only recharge the battery when the battery life indicator is in the red zone (two lights remaining).
- **IMPORTANT** - Opportunity / top up charging will damage the batteries. This will cause run time to fall and overall battery life will be affected. **AVOID TOP UP CHARGING.**
- Take the battery charging lead supplied with the machine and connect into the charging socket on the left rear of the machine, and plug the other end into the mains supply.
- To fully charge the batteries takes 11 - 13 hours.
- The charge indicator lights on the body of the machine show:-
 - Red - Connected to mains supply.
 - Yellow - Charging in progress.
 - Green - Batteries fully charged.
- **Do not** operate the machine when connected to the mains electrical supply.
- **CAUTION - Unplug lead from mains before disconnecting lead from the machine.**

5 Storage

Always switch off and wipe down and dry the machine after use. Never store the machine with a pad fitted as this causes distortion, and results in instability during use.

Store the machine in a dry indoor area only.

6 Maintenance

WARNING - Before undertaking maintenance operations or adjustments switch off machine and unplug from the electricity supply.

The machine requires minimum maintenance apart from the following checks by a trained operator.

- **Charging cord and plug-** Regularly inspect sheath, plug and cord for damage or loose connection. Only replace the cord with the type specified in these instructions.

7 After sales service

Should you require after sales service please contact the supplier from whom you purchased the machine, who will arrange service. Repairs and servicing of Truvox products should only be performed by trained staff. Improper repairs can cause considerable dangers to the user.

Enquire about the Truvox low cost and efficient Maintenance Contract.

8 Guarantee

Your product is guaranteed for **one** year from the date of original purchase, or hire purchase, against defects in materials or workmanship during manufacture. Within the guarantee period we undertake at our discretion, to repair or replace free of charge to the purchaser, any part found to be defective, subject to the following conditions.

CONDITIONS

1. Claims made under the terms of the guarantee must be supported by the original invoice/bill of sale issued at the time of sale, or the machine Serial No.
2. For claims under this guarantee contact the supplier from whom you purchased the product who will arrange the appropriate action. Do not initially return the product as this could result in transit damage.
3. Neither Truvox nor its distributor shall be liable for any incidental or consequential loss.
4. This guarantee is governed by the laws of England.
5. This guarantee does not cover any of the following:
 - Periodic maintenance, and repair or replacement of parts due to normal wear and tear.
 - Damage caused by accident, misuse or neglect, or the fitting of other than genuine Truvox parts.
 - Defects in other than genuine Truvox parts, or repairs, modifications or adjustments performed by other than a Truvox service engineer or authorised service agent.
 - Incorrect charging and maintenance of batteries.

- Costs and risks of transport relating directly or indirectly to the guarantee of this product.
- Consumable items such as cleaning pads and batteries.

This guarantee does not affect your statutory rights, nor your rights against the supplier arising from their sales or purchase contract.

Truvox International Limited has a policy of continual product development and we reserve the right to alter specifications without prior notice.

9 Technical specification

Batteries 2 x maintenance free 12V, DC, traction batteries. Supplied with 2m battery charging lead, type H05VV-F 3 x 1.0mm² (10A), and plug. Class I construction.

Model		OBB1500
Working width	cm	43
Pad diameter	cm	43
Pad pressure	gm/cm ²	3.0
Charging voltage a.c. - 50Hz	V	230
Voltage d.c.	V	24
Motor speed	rpm	1500
Motor rating	W	480
Handle height	cm	110
Weight (without batteries)	kg	25.6
Weight (with batteries)	kg	63
Sound pressure level (see note 1)	dB(A)	56.6
Handle vibration (see note 2)	m/s ²	< 2.5

- 1 - Sound pressure level measured at a distance of 1 metre from machine and 1,6 metres above floor, when burnishing a hard floor. Measurements recorded using a hand held meter.
- 2 - Handle vibration does not exceed 2,5 m/s², when operating on any surface with pads. Measurements recorded by an independent test laboratory.

10 Accessories

Item	Part No.	Usage
Spray system kit	05-4156-0000	Spray cleaning attachment

IMPORTANT : Genuine accessories are only available from authorised Service Agents or Truvox Customer Service Dept.

11 Fault diagnosis

The following simple checks may be performed by the operator.

Fault	Reason	Remedy
Machine not working, battery life indicator red.	Lack of voltage, flat battery.	Recharge battery.
Machine not working, battery life indicator lit.	Switch interlock incorrectly operated. Loose connection on handle drop lead. Current overload fuse blown.*	Check operating procedure in instructions. Check drop lead is fully inserted into socket. Contact Service Agent.
Machine wobbles or vibrates excessively.	Pad worn or damaged. Pad not centred on drive disc. Pad dirty. Incorrect pad selection	Renew pad. Place pad in correct position. Clean the pad. Contact pad supplier.

* If the fuse blows several times, the machine should be checked by an authorised Service Agent.

EC Declaration of conformity

We, Truvox International Ltd.

of Third Avenue
Millbrook Trading Estate
Southampton SO15 0LE
England

declare that the machinery

Make : Rotary floor burnishing machine
Type : Orbis Battery Burnisher
Model : OBB 1500

Serial Number :
Year of Construction : 2004

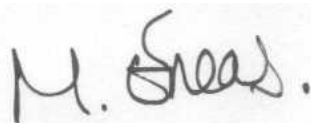
has been manufactured using the following transposed harmonized European Standards and technical specifications.

BS EN 60335-1 and BS EN 60335-2-67

and is in conformity with EC Directives, 98/37/EC, 73/23/EEC and 89/336/EEC and all amendments.

Signed in : SOUTHAMPTON, England

on the 30th day of July 2004

Signature : 

Name : M R Eneas
Position : New Product Development Manager

