

Electric hair clipper

orava

VS-412B

Instruction manual

EN



CE

VS-412B

The intended use of the device

The device is intended exclusively for cutting / trimming clean and dry hair of persons to the extent specified by technical and operating parameters and functions, safety and user instructions and external influences of the operating environment.

The device can also be used for trimming longer mustache and beard on the face. When using the device for this purpose, increased caution when moving with cutting knives or with attachments near the facial skin.

The device is powered (by type) with a rechargeable battery or replaceable battery and is intended for use on the one hand without the AC/DC adapter charging cable or with the AC/DC adapter charging cable attached.

ORAVA electrical appliances are manufactured according to current state of the engineering and recognized safety-technical rules. Nevertheless, incorrect or improper use, or use contrary to designation may result in the risk of injury or endanger the life of the user or third person, damage to the device and other material values.

1. GENERAL SAFETY INSTRUCTIONS AND WARNINGS

- This document contains important safety instructions and warnings for safe, correct and economical operation of the electrical equipment. Its compliance helps the user avoid risks, increase reliability and product life.
- In this document, the generic term product is used in text parts such as:
electrical equipment - any device used for the production, conversion, transmission, distribution or use of electricity.
- From the point of view of the purpose of using electricity, the concept of electrical equipment in the strict sense of the word will include the following categories:
 - household electric appliances,
 - information and communication equipment,
 - consumer electronics,
 - lighting equipment,
 - electrical and electronic tools,
 - toys and equipment for sporting and recreational

1.1 General safety instructions

- Before commissioning the unit, we recommend that you carefully read the operating instructions and operate the equipment in accordance with the instructions!
- The safety instructions and warnings in this manual do not cover all the possible conditions and situations that may arise when using the device. The user must understand that a factor that can not be incorporated into any of the products is responsibility and caution. These factors must therefore be ensured by users / users who use and operate this device.
- Failure to follow the safety instructions and warnings is forbidden by the manufacturer for any damage to health or property!
- Make sure that the appliance is complete and shows no signs of damage before using the appliance for the first time. If the product is defective or if it has any visible damage, do not use the product.
- Keep the operating instructions as close to the device as possible throughout its service life. Always keep the operating instructions together with the appliance for future use and use by new users.
- Use the appliance only for the purpose for which it is intended and in the manner specified by the manufacturer.

- The appliance is intended for home and similar indoor use, with no special focus.
- It is not a professional device for commercial use.
- Do not change the technical parameters and features of the device by unauthorized modification or modification of any part of the device.
- The manufacturer is not responsible for damages caused during transportation, misuse, damage or destruction of the equipment due to adverse weather conditions.

1.2 Safety of the operating environment

- Do not use the device in an industrial environment or outside environment.
- Always keep the operating environment clean and well lit.
- Do not place the device on an unstable surface. Overriding or dropping the device may result in personal injury or damage to the device.
- Do not expose the unit to direct sunlight or excessive heat sources.
- Do not use an electric appliance in areas with flammable liquids, gases or dust. The appliance may be the source of scaling, which can result in the ignition of dust or vapors.

Features of the operating environment

1. Ambient temperature: $+5 \div +40$ ° C
 2. Humidity: $5 \div 85\%$
 3. Altitude: $\leq 2\,000$ m
 4. Occurrence of water: intermittent condensation of water or occurrence of water vapor
 5. Occurrence of foreign bodies: amount and type of dust are not significant
- Protection class: IP20
- Other characteristics of the operating environment (mechanical stress - shocks and vibrations, occurrence of plant, animals, weather effects) are negligible in terms of effect on the correct and safe use of electrical equipment.

1.3 Electrical safety

- Before connecting the appliance to the power supply for the first time, make sure that the voltage on the appliance label corresponds to that of the household electrical socket.
- The electrical appliance is designed for mains supply 230 V ~.
The electrical safety of the appliance is guaranteed only if it is properly connected to the electricity grid.
- Only use a power cord with a plug (mains lead) that came with the device and compatible with a wall socket. Using another cable may result in fire or electric shock.
- Always connect an electrical appliance to an easily accessible power socket. In the event of an operating fault, the appliance must be switched off as soon as possible and disconnected from mains supply.
- Do not pull the power cord / power cord by pulling on the cord / cord. Disconnect the power cord by pulling the plug behind the power cord / power cord plug.
- If you use an extension cord, check that the total rated (ampere) power of all devices connected to the extension cord does not exceed the maximum current rating of the extension cable.
- If you need to use an extension cord or power supply block, make sure that the extension cord or power pack is plugged into a power socket, and not to another extension cord or power supply. Extension power cord or power supply block must be designed for grounded plugs and plugged into a grounded socket.
- The power plug of the appliance must be compatible with the mains socket. Never use any adapters or modify the socket in any other way. Do not use inappropriate or damaged sockets.
- To avoid electrical shock, plug the power cables into properly grounded electrical sockets. If the device is equipped with a 3-pin power supply cord, do not use adapters that do not have a grounding element or remove the grounding element from the plug or adapter.

- Do not bend, crush or otherwise expose the power cord / power cord of the appliance to mechanical stress or external heat sources. Damage to the power cord may result in electric shock.
- If the power cord is damaged, disconnect the appliance from the mains and do not use it again. If the power cord / power cord is damaged, it must be replaced by the manufacturer, its service department, or a qualified person to avoid the risk of electric shock.
- Regularly check and maintain the electrical appliance as well as the power cable. Disconnect the power plug regularly and clean it if necessary. Pollution by dust or other substances may cause disruption of the insulating state and consequently fire.
- Do not expose the appliance to water or moisture. The ingress of water into the appliance increases the risk of electric shock. If the power cord is wet or the appliance gets water, disconnect it immediately from the mains. If the appliance is plugged into a mains socket and if possible, turn off the power supply before attempting to disconnect the power supply. If you are pulling wet wires from a live power source, be very careful.
- If the electrical equipment is installed (connecting) the protective covers are dismantled, the electrical parts must not be accessible to the user when the installation is finished.

1.4 Safety of persons

- This appliance is intended for use by persons without an electrotechnical qualification (layperson) according to the instructions specified by the manufacturer.
- Device operation includes activities such as switching on and off, user manipulation and setting of operating parameters, visual or auditory inspection of the equipment, and user cleaning and maintenance.
- This appliance can be used by children 8 years of age and older and persons with reduced physical, sensory or mental abilities or lack of experience and knowledge only when under the supervision or guidance of the responsible person have been instructed to use the appliance in a safe way and understand the potential hazards .
- Cleaning and user maintenance can be carried out by children 8 years of age and older only under the supervision of the responsible person.
- Children may not play with the appliance.
- Always keep the appliance out of reach of children during use and operation. Be sure to download the appliance even for a freely accessible power cord.
- Always be careful when operating the electric appliance. Do not use an electric appliance if you are overly tired, under the influence of medication or narcotic drugs that reduce attention and focus. Inattention during operation may result in serious injury.

1.5 Cleaning, maintenance and repairs

- Observe the normal user cleaning and maintenance of the appliance in the recommended way. Do not use solvents or harsh cleaners for cleaning. Pollution and visible stains from finger contact, respectively. The hands can be cleaned using detergent detergents specially designed to clean household appliances.
- If you do not use the appliance, clean it or disconnect the appliance from the power supply when the appliance is faulty.
- Do not disassemble the appliance. The appliance works with a dangerous voltage. For this reason, always switch off the appliance and disconnect it from the power supply. In the event of a fault, please have the repair serviced by an authorized service center.
- Only guarantee qualified and qualified personnel to repair and repair the electrical appliance.

(*) Appropriate qualified professional: the sales department of the manufacturer or importer or the person qualified and authorized to carry out this type of activity with the ability to avoid all risks.

2. Special Safety Instructions.

Read carefully!

- Electrical equipment is designed and manufactured in such a way as to allow for safe operation and use by persons without a professional qualification. Despite all the measures that have been carried out by the manufacturer for safe use, handling, entails certain residual risks and associated potential hazards.
- To warn of possible hazards, the following symbols and their meanings have been used on the device and in the accompanying documentation:



This symbol alerts users that the device is operating with dangerous electrical voltage. Do not remove protective covers on the device.
Failure to observe the safety instructions during use and operation of the device may result in:
Danger of electric shock!
Danger of serious injury or life threatening!



This symbol alerts users to the following: Risk of serious injury or life threatening when not following the safety instructions when using and operating the unit!
Danger of damage to equipment or other damage to property!



Do not use the device near water, bath tub or shower and do not expose it to moisture. As a result of equipment fall into the water and electric shock, life threatening!

Transport/Carriage

- When transporting and using, for example, of the transport cart, be careful when moving, to prevent overturning and damage to the machine.
Do not transfer the device until the power supply has been disconnected. Do not carry the appliance by an electric cord.
There is a risk of serious injury or life threatening! There is a risk of damage to the device!

Unpacking/Package

- Unpack the equipment and accessories before putting it into service and remove all parts of packaging material, stickers and labels. Store the packaging materials on secure place or keep out of the reach of children and inappropriate persons.
There is a risk of serious injury! Risk of suffocation!

Check/Commissioning

- We recommend performing both initial and subsequent regular machine inspections. Use the device only with accessories and spare parts supplied and approved by the manufacturer.
- Never use the appliance if it is incomplete, damaged, or if parts or accessories (eg. due to fall) have been damaged during use.
There is a risk of electric shock! There is a risk of serious injury!
- Check and assemble the machine before operating it as described in „Before Use“.
- Never clean the device (body with electrical parts) and the power cord with the plug in a way that could cause the liquid to flow into the device.
Clean these parts with a damp cloth and wipe dry or let it dry.
- Only clean the appliance if it is switched off and disconnected from the mains. Keep the device clean and dry.

Warning!

- If the device is suitable for cleaning under running water, this method must be explicitly specified in the operating instructions section: Cleaning and maintenance.
- If the device has been stored at lower temperatures, first acclimate it (about ½ and 1 hour) before further use to remove any moisture inside the enclosure, solidify the moving parts and preserve the mechanical strength of the plastic parts.

Operation/Supervision

Warning!

- This device may only be used with original and non-damaged parts and accessories. Use caution when using a device without a mounted comb attachment. Cutting blades are sharp and can cause serious injury.
- The device is designed for cutting / trimming free, clean and dry hair.
- Do not use a hair clipping / trimming device to cut animal hair.
There is a risk of parasite transmission from animals to humans!
- Take special care about the possible transmission of parasites among persons, and keep the equipment in a clean and hygienic state. After each use, always clean the device thoroughly.

- Always make sure that the person who is using the hair styling is always sitting on a suitable and sturdy chair and that the workplace is properly lit.
There is a risk of serious injury!
- The device is intended for use without a connected power cord.
- Depending on the type, the device can be powered by a rechargeable built-in battery (charging is provided with AC / DC charging adapter) or replaceable batteries.

Safety instructions for the power supply.

- Charging the built-in battery is only allowed with the original charger (charging AC / DC adapter) supplied by the manufacturer or with a charger approved by the manufacturer.
- If the charger cable or the charger is damaged, replace it immediately with an undamaged original or a new charger.
- Use and store the battery charger only in dry rooms at ambient temperatures $+5 \div +40^{\circ} \text{C}$.
- Do not attach the charging cable plug and the cable and do not connect it to the socket when you have wet hands, and the charger cable or the device itself is wet. Always dry hands, power cord and equipment dry with a dry cloth.
There is a risk of electric shock!
- Never push any conductive objects (eg screwdriver, etc.) into the connector (JACK connector on the device) to connect the charger.
There is a risk of electrical short circuit! There is danger of explosion!
- Make sure that the main switch of the device is set to „OFF” position before each connection of the battery charger to the power supply.
If the main switch does not work, do not use the device.

Attention!

- Never open or even disassemble the battery! Damage may result in electrical short-circuiting and releasing of harmful substances. In case of contact, seek medical advice
- The battery must not come into contact with fire and must not be exposed to direct sunlight or excessive heat.
There is a danger of accumulators! There is a risk of fire!
- If the battery is damaged, have it replaced by a specialist workshop.
- Dispose of batteries in accordance with applicable regulations and provisions for disposal of electronic devices.
- Powering up the device with a rechargeable battery:
- The device comes with a non-fully charged built-in rechargeable battery.
- To achieve the maximum capacity and the longest battery life, the battery needs to be fully discharged and then charged to its maximum level (charging takes approximately 8 hours before first use). This procedure must be repeated for at least 3 cycles, always after the battery has been fully discharged.
- When charging the battery, follow these steps:
 - Turn off the main switch before charging the built-in battery.
 - To charge the built-in battery, the charging stand, which is part of the supplied accessories, is designed.
 - Plug the AC / DC adapter cable (JACK) plug into the charging base connector.
 - Plug the charger cable (AC) plug into a 230V AC power socket.
 - When the power supply is connected, the charging / operating indicator light turns red.
 - When charging is completed, if the battery is fully charged, the charging / operating light - green - will illuminate.
 - Disconnect the charger cable (AC) plug from the wall socket. Disconnect the connector (JACK) from the charging stand.
 - The device's power supply (built-in battery) is ready and the device can be used.
 - During use, the built-in battery will gradually discharge. For further use, recharge the battery as instructed.

Warning!

- The device can also be used during charging of the built-in battery. In this case, connect the JACK charger connector directly to the connector on the device, and plug the AC plug into a power socket.
- Powering the device with replaceable batteries:
- Safety instructions for the power supply - for batteries.
 - Always store batteries out of reach of children. In case of battery swallowing, immediately seek medical advice.

- Wipe the battery with a dry cloth before inserting it into the machine.
This will ensure a better electrical contact.
- Only use the manufacturer's specified battery type.
Do not use new batteries together with old ones. This may result in damage to the device.
- Insert the batteries to match the „+“ and „-“ symbols on the batteries and on the inside of the battery compartment cover.
- Do not handle the batteries with metal tools (eg tweezers, etc.).
Conductive contact between the two poles of the battery may cause a short circuit.
- If you are not using the device for a long time, it is recommended to remove the battery from the device. This protects your device from damage from leaking batteries.
- Carefully store the used batteries so that children can not swallow them.
- Dispose of batteries in accordance with applicable regulations and provisions for disposal of electronic devices.

Caution!

- In case of improper handling, the batteries may explode.
- Do not charge, disassemble, or even throw into the fire.
- If affected, seek medical advice.
- Always keep your device under control during use and operation!
- This device is not intended to be operated by a programmer, an external time switch or a remote control, because there is a risk of fire when covered or incorrectly positioned.
- The electrical socket and power cord must remain easily accessible for safe disconnection of the device from the power supply.

Warning!

- The appliance and the power cord must not be left unattended when connected to a power supply!
- Never leave the appliance unattended and freely accessible and do not leave it with a freely accessible power cord.
There is a risk of electric shock! There is a risk of serious injury!
- Do not place the appliance:
 - on the edges of tables or parts of furniture,
 - to unstable or uneven surfaces,
 - on dirty surfaces,
 - near containers containing water and other liquids.
- Do not expose the device to:
 - direct sunlight, sources of excessive heat,
 - vibration and mechanical stress,
 - polluting chemicals,
 - water and excess moisture,
 - insect,
 - aggressive environmental influences.

There is a risk of serious injury!

There is a risk of damage to equipment or other property damage!

- Compose and disassemble parts and accessories and clean the appliance only when the appliance is disconnected from the power supply.
- Do not use or place the appliance in a place where children may freely reach.
- Prevent children from playing with the device.
- Mechanical damage (breakage or breakage of parts and covers) of the device can cause serious injury. Do not use damaged equipment and accessories.

There is a risk of serious injury!

There is a risk of damage to equipment or other property damage!

- Do not use or place the appliance near water containers. If the appliance falls into the water, take it to a specialist service to check if it is safe and working properly.

There is a risk of electric shock! There is a risk of electrical short circuit!

- Do not insert or allow the foreign bodies to enter the holes of the device covers.
- Do not cover the openings of the airflow covers. Air ventilation ensures proper operation, reliable and safe operation of the device.
- Never overload the equipment beyond the limits specified by the technical specifications!
- Observe the operating mode of the device (operating time / operation and breaks) in accordance with the operating and instruction manual. Regularly clean the device - empty from hair and dirt. Pollution of the device may result in a decrease in operating parameters and possible subsequent damage.
- After multiple cleaning of the device, especially cutting knives, treat the blades with a few drops of silicone oil (attached to the machine). Regular care helps you achieve better operator results and longer lifetime reliability.
- If you notice any unusual occurrences (sounds, smell, smoke, ...) while using the device, switch off the device immediately and disconnect it from the power supply. Have the appliance checked by a specialist workshop.
- If any safety component (mechanical, electrical) is part of the device, never disable this part / component! If the safety component is damaged or not working, do not use the appliance! Never underestimate the potential hazards and take extra caution!!!

Operation

Description of the device:



- 1. cutting knives (removable head)
- 2. body of the clipper
- 3. on / off switch
- 4. LED charging indicator

- 5. comb attachments (3, 6, 9 and 12 mm)
- 6. lubricating oil, cleaning brush
- 7. connector for charging the battery
- 8. power charging adapter

Preparation

Charging:

Before using the device, you need to fully charge the battery.

- 1. Connect the connector from the AC adapter to the connector on the clipper
- 2. Connect the AC adapter to the 230 V ~ 50 Hz power socket.
- 3. The charging indicator (LED) lights up red and the charging starts.

The charging termination is not signaled as the device is equipped with a battery protection system. The first maximum charge takes a few hours. With maximum charged batteries (before first using for approximately 8 hours charging), the device can operate for about 50 minutes.

To achieve optimal battery performance, use the first three cycles until the batteries are fully discharged, then charge them to the maximum.

Warning!

You can use the device while it is charging. In this case, connect the AC adapter directly to the device connector.

Before use

- Ensure that the device is clean and functional.
- **Install the comb attachment on the device and set the desired length.**
Attach and fold the attachment only when the device is switched off!
There may be accidents or damage to the device.
- Lay the towel around your neck so that you do not strike the hair for your clothing when cutting.
- The person whose hair is cut should sit on a chair so that you have good access to all the hair on your head.
- When cutting, hold the comb even freely to achieve a smooth and even cut.
- Only cut natural human hair. Cut hair must be clean and dry.
- Cut only small amounts of hair. If you try to cut a large volume of hair at once, cutting will not be effective.

Cutting hair

1. Attach the comb attachment to the cutting blades of the machine. Place the attachment into the grooves on the machine.
2. Depending on the desired hair length, adjust the length of the cut by turning the adjustment knob.
Available lengths are from 3 to 12 mm.
Before trimming, the position of the attachment must be locked at the cut length. To cut the hair to the minimum length, fold the comb attachment.
3. Turn the cutter on, and cut your hair. Follow the cutting procedure.

Note:

The LED indicator lights (red) only when charging. The LED does not light during the cutting.

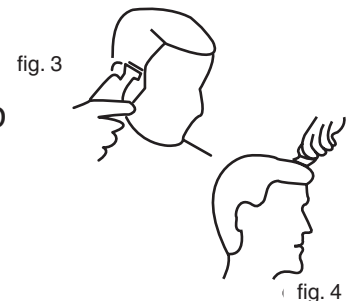
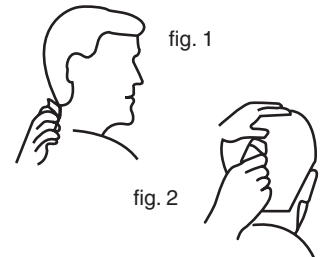
Cutting process

Cut straight short hair lengths until you start to cut evenly the length according to the appropriate comb attachment.

- Use a comb attachment.
- Do not force the trimmer during the cutting process.
- Start cutting with the comb attachment.
- Hold the trimmer lightly with the extension on the cutting head upwards.

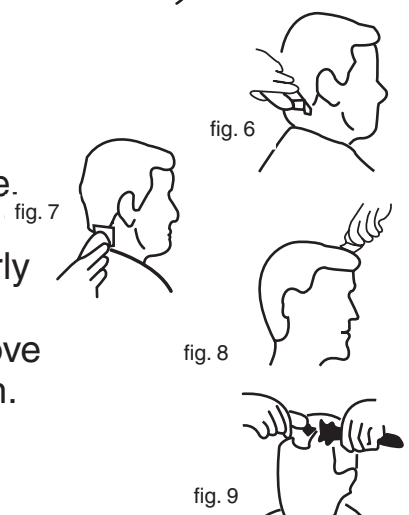
Proceed slowly as shown in Fig. 1 from the bottom up.

- Repeat the procedure on the back of the head from the bottom up (Figure 2).
- After trimming the hair, change the extension length and repeat from bottom to top.
- This method is guaranteed to be better than start cutting with the shorter cut length set.
- The cutting process on the sides of the head is the same as on the back of the head - from the bottom up (Figure 3).
- Reverse the head at the top of the head with longer cut lengths and later shorter cut lengths on the comb extension. The teeth of the comb attachment point upwards (Figure 4).



Line alignment

- You do not need a cutting attachment to align your hairline.
- Remove the comb attachment from the trimmer.
- Align the hair with the desired line (Figure 5).
- Ensure that the cutting knife is level with the hairline.
- Straighten the hair on the back of the neck by turning the cutter downwards and aligning it regularly towards the ear (Figure 6).
- Similarly, cut the hairs on the back of your neck. Move uphill from top to bottom with the cutter facing down.



Short cut

- Cutting starts again on the back of the head from the bottom up. Slowly move to the top of the head (Figure 7).
- Move the top of the head backwards (Figure 8).
- Use a hairline comb to trim your hair precisely and cut the hair on the comb (Fig. 9).

After cutting

When finished, remove the hair with the supplied brush.

Cleaning and oiling

- Your cutter has been carefully tested, the cutting knife is oiled and packaged before shipment
- If the knife is not evenly oiled, drop a few drops of the supplied silicone oil. Follow these steps when oiling:

1. Remove the comb attachment from the cutting blades and push the upper blade backwards to remove the cutting blades from the body of the machine (see picture).
2. Clean the knives with a brush.
3. Bring one or two drops of oil between the knives.
4. Let the oil lie between the knives.
5. Attach the cutting knives and push them back to the body of the device to snap into place.

Use a dry cloth to wipe any residual oil.

Only use supplied silicone oil or silicone oil for sewing machines.



Warning!

Never clean the AC Adapter in water or other liquids!

Clean the device, charging base, and AC adapter with a dry cloth slightly moistened in water. Do not use any abrasive cleaners or solvents such as alcohol, gasoline or thinner.

Replace the batteries

The device is powered by a built-in rechargeable battery. If the device has a significantly shorter time after the maximum charge, the battery will need to be replaced. Check with your dealer or an authorized service center.

Do not replace them for normal batteries!

General safety precautions for batteries

- Keep batteries away from children. If swallowed, seek medical attention immediately.
- Wipe the batteries with a dry cloth before insertion. You will ensure good contact.
- Check the correct polarity when inserting the battery.
- Do not put batteries into contact with metal objects. There may be a short circuit.

Caution!

In case of improper handling, the battery may explode. Do not disassemble or put into fire. Dispose of them in accordance with applicable local regulations and standards.

Technical specifications

Power supply:		Li-ion akumulátor, 600 mAh h
AC adaptér:	input:	230 V~ 50 Hz, 3 W
	output:	3,7 V
Protection Class:		II
Dimensions (W x H x D):		62 x 35 x 43 mm
Weight:		160 g
Noise:		60 dB (A)

The declared noise emission of this appliance is 60 dB (A), which is the level of acoustic power A with reference sound power of 1 pW.

Supplied accessories: AC adapter, cleaning brush, 4 comb attachments, oil.
The right to change is reserved!

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INSTRUCTIONS AND INFORMATION REGARDING THE DISPOSAL OF USED PACKAGING

Dispose of used packaging material at a municipal waste disposal site.

DISPOSAL OF USED ELECTRICAL AND ELECTRONIC EQUIPMENT



This symbol on the products or in the accompanying documents means that used electrical and electronic products should not be mixed with general household waste. For proper disposal, recovery and recycling, please return these products to designated collection points. Alternatively, in some countries of the European Union or other European countries, you may return your products to your local retailer when purchasing an equivalent new product. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment natural resources and help prevent potential negative effects on environment and human health, which could be the consequences of improper disposal waste. Contact your local authority or nearest office for more details collection point. Improper disposal of this type of waste may result in penalties in accordance with national regulations.

For business entities in the countries of the European Union

If you wish to discard electrical and electronic equipment, please request the necessary information from your seller or supplier.

Disposal in other countries outside the European Union

This symbol is valid in the European Union. If you wish to discard this product, please request obtain the necessary information on the correct method of disposal from the local authorities or from the your supplier.



This product complies with all the essential requirements of the EU directives that apply to it.