



Crater-7

Instruction manual

EN



Outdoor speaker system with Bluetooth interface
Bluetooth conference microphone

The intended use of the device

The device is intended exclusively for the playback of an audio signal from a mobile phone or other digital device or source (wirelessly via Bluetooth® technology or also via a cable connection), to the extent specified by technical and operating parameters and functions, safety and user instructions and external effects of the operating environment.

ORAVA electrical appliances are manufactured according to the knowledge of the current state of technology and recognized safety and technical rules. Nevertheless, incorrect and unprofessional use or use contrary to the intended purpose may create a risk of injury or endanger the life of the user or a third party, resp. damage to equipment and other property.

Safety instructions for operation and use

- 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 taken to the manufacturer for safe use and handling, carry some residual risks and associated potential hazards.
- The following symbols and their meanings have been used on the device and in the accompanying documentation to warn of possible hazards:



This symbol alerts users that the following precautions can be avoided if the following precautions are observed when operating the device:
Danger of serious injury or life threatening!
Danger of damage to equipment or other damage to property!

IPX4

This designation of electrical equipment means that the device is made with an outer cover that protects it from the ingress of water. In this case, it is the level of protection against the ingress of intensive spray water from all directions (water flow from a nozzle with a diameter of 12.5 mm, at a water flow of 10 l / min and a pressure of 50 - 150 kN / m² for 5 minutes).

Warning!

The degree of protection of the device is tested under specific technical conditions and does not mean that the device is intended for use under conditions of permanent exposure to dust and water.

General safety instructions and warnings

- Before commissioning, we recommend that you carefully read the operating instructions and operate the equipment in accordance with the instructions.
- Failure to follow the safety instructions and warnings is forbidden by the manufacturer for any damage to health or property.
- Always keep the operating instructions together with the device for future use and use by new users.
- Use the appliance only for the intended purpose and in the manner specified by the manufacturer.
It is not a professional device for commercial use.

Operating environment characteristics:

- Do not use the device in an industrial environment or in an outdoor, adverse environment!
Do not expose your device to:
 - direct sunlight, sources and equipment producing excessive heat,
 - fall, vibration and mechanical stress,
 - excessive dust,
 - water,
 - insect,
 - aggressive effects of the external environment.
- The operating environment of the device must always be in accordance with the basic characteristics set out.

Operating environment characteristics:

1. Ambient temperature: +10 ° C to +40 ° C
2. Relative humidity: max. 75%
3. Altitude: ≤ 2 000 m
4. Occurrence of water: intermittent condensation of water and occurrence of water vapor
5. Occurrence of foreign bodies: quantity and type of dust are insignificant
 - The basic IPX0 protection class (when the device is not protected by its waterproof cover) is not marked on the product and in the technical parameters listed in the operating instructions.
 - If the protection class of the product is different from IPX0, this information is then displayed on the label of the appliance or in the technical data of the operating instructions.
 - The appliance is not primarily intended for use in environments with significant water effects.

Safety of persons

- This device may be used by children under the age of 8 and persons with reduced physical, sensory or mental capabilities or lack of experience or knowledge when supervised or instructed to use the appliance safely and understand the dangers involved.
- This appliance can also be used by small children (children between the ages of 3 and 8) if the controls are set by their parent or authorized guardian, or if the child has been instructed enough to operate the controls safely.
- Children may not play with the device.
- Cleaning and maintenance for users may not be performed by children unattended.

Cleaning, maintenance and repairs

- Perform the normal user cleaning and maintenance of the electrical equipment only as recommended. Do not use chemical solvents or abrasive cleaners for cleaning.
- Never clean the appliance in a way that could cause it to dampen and drip into the device.
- Clean the device with a damp cloth only and wipe dry or let it dry.
- Keep the appliance clean and dry.
- Do not disassemble the electrical/electronic equipment!
- Never repair the electrical / electronic equipment yourself!

Special Safety Instructions and cautions

- When transporting , be careful when moving, to avoid equipment fall and damage.
- Unpack the equipment and accessories before putting it into service and remove all parts of packaging material and labels. Store the packaging in a safe place, especially out of the reach of children and unaccompanied persons, or dispose of them safely.
- If the device was stored at low temperatures (eg in winter) or excessive humidity, first leave it for about 1 hour to "acclimatize" to remove any moisture in electronic parts that occurs when the ambient temperature changes.
- Do not expose the appliance to indoor use by water or excessive moisture. Do not dispose of any containers with water or other liquids.
- Do not install the appliance near heat sources or other heat generating devices.
- Do not place objects on the device that can cause a dangerous situation (eg burning candles, etc.).
- To avoid the risk of electric shock (in the case of a device that operates with a dangerous power supply), do not disassemble or attempt to service yourself. Have any repairs to electrical equipment carried out by qualified personnel.

Operation/Use

Warning!

- In places where mobile phone use is not allowed or where the device may cause interference or danger, such as in an aircraft, in hospitals and near high- sensitive electronic medical devices, fuels, chemical substances or in locations, where blasting is carried out using explosives, switch off mobile devices.
- Follow these safety instructions and cautions in these locations.
- Wireless 2.4 GHz wireless audio devices can interfere with other wireless devices or networks.
- If this device is located too close to other Bluetooth® devices or devices that use the 2.4 GHz or 5 GHz frequency band, they may not work properly and there may be noise and/or sound interruptions caused by radio waves interference.

Warning!

- The loudspeaker system for a mobile phone is a device that when used, it may alter (reduce) the perception of ambient sounds. If you perform any activities that are accompanied by an increased risk to yourself or others in close vicinity, always check your surroundings to avoid injuring yourself or others.
- Be very careful when using the device. Pay particular attention to: driving, cycling, or driving on other means of transport, where ATTENTION is required in conditions of movement on public roads or public spaces where there is a large number of people involved in the pursuit of interests.

Warning!

- The device is intended for use only with a built-in rechargeable battery which can not be exchanged by the user (the device is not dismantled) and the type and specifications of which are specified in the technical guide of the operating instructions.
- Ensure that all cable connections are secure and properly connected. Do not insert any conductive objects into the device connectors.
- When connecting and disconnecting the connector , pull out the connections behind the connectors, never pull the connection on the cable itself.
- Do not connect signal cables to bundles. Do not pull the cables together. Do not expose the signal cables to mechanical stress and damage.
- Do not let the signal cables hang freely and do not allow them to be freely accessible and reachable by children.
There is a risk of serious injury!
There is a risk of electric shock!
- The device contains parts of covers (eg ventilation grilles) that can be heated during normal operation. Do not cover the ventilation grilles.
- Never leave your device freely accessible and do not leave it with a freely accessible cable. Children could overthrow the device for the cable.
There is a risk of serious injury!
- Do not store the device with wrapped cord around its body. Wipe the cable loosely in the way it was folded in the original packaging by the manufacturer.
- Never overload the equipment beyond the limits specified by the technical specifications!
- If you notice any unusual occurrences (sounds, odors, smoke, etc.) during use of the device, switch off the device immediately and disconnect it from the power supply. Have the appliance checked by a specialist workshop.
- Never underestimate the potential hazards and take extreme caution !!!

Bluetooth® technology

- Bluetooth® technology is a wireless short-range radio signal transmission technology that enables wireless data communication and synchronization between a digital device, mobile phone, and headset.
- ORAVA is not responsible for any incidental or consequential damages or other damages or disclosure of data and/or information that may occur during wireless transmission.

Frequency band

- This technology uses the 2.4 GHz non-licensed microwave radio frequency band.

Certifications

- This device adheres to frequency constraints and has been certified to comply with statutory regulations concerning frequency bands. Therefore, no wireless transmission authorization is required.

The following actions are illegal:

- separation from the main device,
- removing parameter labels.

Designation of use

- This system is intended for normal general use.
- Microwaves from Bluetooth devices may adversely affect the functions of electronic medical devices.
- Do not use this system near equipment or in a high-frequency interference sensitive environment, for example:
 - places with the presence of combustible gas,
 - spaces near automatic door systems, alarm systems such as:
 - airports,
 - Hospital
 - laboratories
 - gas stations etc.,

as interference to broadcasting can cause an accident

Restrictions in use

- Wireless transmission and/or use with all Bluetooth® devices can not be guaranteed.
- All devices must comply with standards set by Bluetooth SIG, Inc.
- Depending on the parameters and settings of the devices, connection may not be performed or some operations may be different.
- This system supports Bluetooth® security features. However, in some operating environments or under certain settings this may not be sufficient. Be careful when transmitting data wirelessly to this system.

Range of use

- Use a wireless device at a distance of up to 10 m.
- Various types and environmental characteristics, barriers or interference can reduce the range of transmission (eg metal barriers, walls, people ...).

Interference with other devices

- If this device is located too close to other Bluetooth® devices or devices using the 2.4 GHz frequency band, they may not work properly and may problems with noise and/or sound interruptions caused by radio waves interference.
- This system may not work properly if radio waves broadcast by a nearby radio station or similar device are too strong.

Other

- If you feel inconvenience when using Bluetooth®, stop using the Bluetooth device immediately.
- If any problem persists, contact your nearest ORAVA dealer.

Licenses

- The Bluetooth® word mark and logo are owned by Bluetooth SIG, Inc. and any use thereof by ORAVA retail 1, a.s. is subject to a license.
- Other trademarks and trade names are the property of their respective owners.

Device information

- **Bluetooth music playback and Bluetooth hands-free calling**
Bluetooth 5.0 stereo music playback, hands-free support for mobile phones
- **Support for Bluetooth Multipoint Bluetooth technology**
Possibility to connect two mobile phones at the same time
- Support for various Bluetooth modes, USB Audio mode for conference calls, AUX IN connector for music playback from a connected device, PC audio playback via USB connector (USB Audio)
- **True Wireless Stereo (TWS) support**
Ability to pair two of these same speakers at the same time to reproduce stereo sound
- **Two independent integrated DSP processors and excellent audio processing algorithms**
The Audio DSP processor improves the effect of music playback, the tri-core Voice DSP processor improves call quality.
- With 4 speaker drivers to create a 360-degree stereo sound field, Audio DSP and a highly tuned algorithm, even more balanced sound quality and extremely low sound distortion are achieved even when playing dynamic music.
- **Conference calls**
Built-in 4 microphones with high sensitivity (signal-to-noise ratio), a tri-core Voice DSP processor and well-tuned algorithms allow the speaker to playfully handle balanced and clear sound of conference calls up to 5 meters.
- Support for mobile Bluetooth hands-free calling / conference calling via common communication applications such as Skype, WeChat, QQ, Facebook Messenger, WhatsApp, etc.
- A PC or Apple computer without a Bluetooth interface can be quickly connected to the speaker using the supplied patented USB Bluetooth adapter without the need to install drivers.
- 360-degree design with a seamless three-dimensional sound fabric ensures almost lossless sound reproduction.
- **Built-in lithium-ion (Li-Ion) battery with a capacity of 2,500 mAh**
Operating time is up to 10 hours and battery life is more than three times that of conventional batteries.
- Water resistance IPX4.
- **Voice guidance**
Audible messages for easy operation.

Power supply



Powered by a built-in rechargeable battery

The device is powered by a built-in 2,500 mAh rechargeable battery.

Before using for the first time or whenever the battery is low (sound is weak, distorted, the message “Low battery” sounds, or the device turns off completely arbitrarily), charge the battery.

You can charge the device battery from the mains using a suitable charger with a micro USB connector (not supplied, 5 V, 700 mA). Charge the battery at least once a month when you are not using the device.

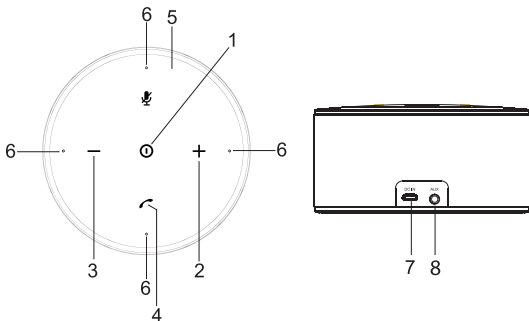
Connect the charger to a wall socket, and connect the micro USB connector to the micro USB connector on your device.




The LED indicator of button  will flash and the battery will be charged. It takes about 3 hours to charge a fully discharged battery. When the LED is charged, the button indicator stops flashing. During operation, the LED indicator of button  lights up. You can charge with the device on or off.

Note


If you do not have a suitable charger, you can charge the battery by connecting the device to a PC with the supplied USB cable. With this connection, the battery in the device will be charged from the PC, but only if the speaker is turned off. If the speaker is turned on, it will switch to PC audio playback mode via a USB connection.

Ovládacie prvky






- 1 Button  (on/off)**
Push and hold: turn on/off and activate pairing mode Short press with device on: play/pause/stop
- 2 + button**
Short press: increase the volume
Push and hold: switch tracks forward
- 3 - button**
Short press: decrease the volume
Push and hold: switch tracks backwards
- 4  button**
Short press: answer/end call Push and hold: reject an incoming call/cancel all pairings
- 5  button**
(microphone on/off/TWS (True wireless stereo) mode on))
Short press: switch the microphone on/off
Push and hold: turn on the TWS function/disconnect two TWS paired speakers
- 6 Microphone**
4 high sensitivity microphones
- 7 Micro USB connector**
Connect the charger/connect from the USB connector of the PC in order to charge the speaker/reproduce the sound from the PC
- 8 3.5 mm audio mini-connector**
Connecting an external audio device


Sound settings

- 1** Turn on the device by pressing and holding button  for about 2 seconds. The device turns on (the button LED indicator lights up (or flashes)).
- 2** Select the desired audio source.
- 3** Press + and - during playback to adjust the volume.

Play via Bluetooth from a Bluetooth device

- 1 Turn on the Bluetooth interface on your Bluetooth device (phone, tablet, etc.). For details, refer to the operating instructions of the device.
- 2 Turn on this unit by pressing and holding button  for about 2 seconds. The device switches to Bluetooth mode and is ready for pairing (the LED of the button  will light up and the LED of the button  will flash).
- 3 On your Bluetooth device (phone, tablet, etc.), search for available Bluetooth devices.

For details, refer to the operating instructions of the device.

When Crater 7 appears on the display of your Bluetooth device, select it and wait until your Bluetooth device displays a confirmation of pairing with Crater 7. On this device, the LED indicator on the device stops  blinking and lights up continuously and the device sounds "Device paired". The devices are paired.

- 4 After pairing, you can start playback on your Bluetooth device. Set the appropriate volume on it.

For details on playback controls, refer to the operating instructions of the device.

The sound from the paired device will be reproduced by this speaker system.


Playback operations

Playback

Press  to start playback.

Pausing

During playback, press . Playback pauses.

While paused, press  again. Playback resumes.

Feed back: -

During playback, press and hold - to skip to the previous track for about 2 seconds.


Forward feed: +

During playback, press and hold the + button for about 2 seconds to skip to the next song.

For playback control to work, the connected device must support the AVRCP Bluetooth profile.

- 5 Briefly press the + and - buttons during playback to adjust the volume.

6 Phone calls

If you receive a phone call while playing music via Bluetooth, answer the call by briefly pressing the button  on this device or the answer button on the mobile phone.

The sound of the call will be reproduced by this speaker.

You can increase or decrease the call volume during a call by briefly pressing the + or - key.

During a call, stay within 5 m of the speaker so that your microphones pick up your voice.


Ending a call


Press  during a call to end the call.

Make the last call

Press  the key twice briefly to call the last call number.

Mute the microphone


If you need to mute the microphone during a call so that the caller cannot hear you, press  briefly. The microphones are muted.

To turn the microphone back on, press  again.

7 Conference calls

Thanks to its unique 360 ° construction and 4 high-quality omnidirectional microphones with high sensitivity, you can use the device to make conference calls.

If you want to make a conference call, after or after receiving a call, place the device, for example, on a table in a meeting room so that it is approximately in the middle between all participants and everyone is within 5 m of the device.


Answer a call by briefly pressing the button  on this device or the answer button on the mobile phone.

The sound of the call will be reproduced by this speaker.

You can increase or decrease the call volume during a call by briefly pressing the + or - key.

During a call, stay within 5 m of the speaker so that your microphones pick up your voice. All participants can talk comfortably and the caller will hear all the discussants without any problems.

Mute the microphone

If you need to consult privately with colleagues during a conference call and it is confidential so that the caller cannot hear you, press  the key briefly. The microphones turn off and you can talk to each other without worrying that the caller will hear you.

To turn the microphone back on, press  again.

Ending a call

Press  during a call to end the call.

Make the last call

Press  the key twice briefly to call the last call number.

When playback is complete, turn off the Bluetooth source on this unit, stop playback on your Bluetooth device, and turn off the Bluetooth interface on it.

Note

After pairing the devices, it is not necessary to perform the pairing again. Devices will continue to connect automatically in the future when you turn on the Bluetooth audio source on this device and turn on the Bluetooth interface on your Bluetooth device.

Cancel the current Bluetooth pairing

When the speaker is paired with another Bluetooth device that you no longer need to have paired, they are currently connected and you want to cancel this pairing so that you can connect another device, press and hold the button for about 2 seconds.

An acoustic signal sounds (device disconnected).

You can then pair with another Bluetooth device.

Warning!

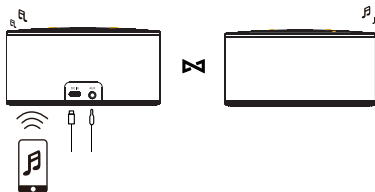
There may be a sound when playing via Bluetooth.





These outages are caused by interference, greater distance, obstacles, etc. This is not a malfunction of the unit.

True Wireless Stereo (TWS) function


If you have two identical Crater-7 speakers, you can pair them with each other and reproduce real stereo sound with two speakers.

from a connected and paired Bluetooth device via Bluetooth.



- 1 Turn on the Bluetooth interface on your Bluetooth device (phone, tablet, etc.). For details, refer to the operating instructions of the device.
- 2 Turn on these two Crater-7 devices at the same time by pressing and holding button  for about 2 seconds.
The devices will turn on in Bluetooth mode and be ready to pair with another Bluetooth device (the button LEDs will flash).
- 3 Press and hold  for about 2 seconds on one of the speakers. The LED indicator of this button will flash blue and white.
The two speakers automatically pair with each other and connect to each other. One speaker will reproduce the left channel and the other speaker the right channel.
- 4 On your Bluetooth device (phone, tablet, etc.), search for available Bluetooth devices.
For details, refer to the operating instructions of the device.
When Crater-7 appears on the display of your Bluetooth device, select it and wait until your Bluetooth device displays a confirmation of pairing with Crater-7. On the device on which the button  was pressed and will be the left speaker, the LED indicator will stop flashing and the message "Device paired" will sound from the left device. The devices are paired. Now both speakers can simultaneously play music via Bluetooth in real stereo sound.
To play, follow Play via Bluetooth from a Bluetooth device.
- 5 **Disconnect two paired speakers**
Press  and hold the button on either of the two speakers. The message "Device disconnected" sounds.
To clear the TWS pairing memory, press twice.

Notes:

- This function requires 2 Crater-7 speakers on.
- If no Crater-7 speaker is connected before TWS pairing to another Bluetooth device, the LEDs on both Crater-7 speakers flash when turned on.
- If both Crater-7 speakers have already been paired with another (third) Crater-7 speaker, the TWS pairing memory must be cleared first, otherwise the two speakers cannot be paired successfully.
Press the button  on both of these speakers twice briefly to clear their TWS pairing memory.

Play audio from external devices

Play audio from PC via the supplied USB Bluetooth adapter

A PC or Apple computer without a Bluetooth interface can be quickly connected and paired with the speaker using the supplied patented USB Bluetooth adapter without the need to install drivers. You can use the loudspeaker for conference calls via PC applications.

Simply connect the supplied USB Bluetooth adapter to the USB connector on your PC. The adapter is recognized as a Bluetooth interface in the PC, and then you can pair the PC with this device as described for pairing with a mobile phone.

After pairing, you can reproduce the sound from the PC through this speaker and make conference calls via chat applications on the PC (Skype, FB Messenger, etc.).

Play audio from PC via USB connection

The speaker allows you to play audio from a PC by connecting the USB cable to both the PC and this speaker.

When the speaker is on, it will play audio from a PC connected to its micro USB connector. You cannot receive calls in this mode.

If the speaker is off, the speaker battery will be charged from the PC.

Play audio from an external audio device/TV

- 1 Turn on this unit.
- 2 Connect the audio output or headphone output from another audio device or TV to the 3.5 mm AUX input jack on the side using the supplied audio cable.
When connected to the AUX jack, the sound automatically switches to play sound from the device connected to it. You cannot receive calls in this mode.
- 3 Start playback on the connected external audio device / TV and set the appropriate volume on it.
- 4 Press + and - during playback to adjust the volume.

More details

Wireless BLUETOOTH technology

BLUETOOTH wireless technology is a short-range technology that enables wireless data communication between digital devices such as PC and digital camera. Wireless BLUETOOTH technology works in a range of about 10 m.

The two devices are connected to each other, but some devices can be connected to more than one device at a time.

No cable is required for the connection, nor is it necessary to place the devices opposite each other as with infrared technology. You can use your devices, for example, when they are in your backpack or pocket.

The BLUETOOTH standard is an international standard supported and used by many companies around the world.

Maximum communication range

The maximum communication range may be shorter in the following conditions.

There are obstacles such as people, metal or a wall between this system and the BLUETOOTH device.

A LAN device is used near this system. A microwave oven is used near this system.

An electromagnetic radiation generating device is used near this system.

Interference from other devices

BLUETOOTH and wireless LAN (IEEE802.11b / g) devices use the same frequency, so if you use this system near a wireless LAN device, microwave interference may occur, which may result in poor communication speed, noise, or poor connection. In this case, do the following.

Use this system at least 10 m from a wireless LAN device.

If you use this system less than 10 m away from the wireless LAN device, turn off the wireless LAN device.

Interference from other devices

Microwaves emitted by the BLUETOOTH device may affect the operation of electronic medical devices. Turn off both the system and the BLUETOOTH device in the following places, as there is a risk of danger:

- near flammable gases, in hospitals, trains, airplanes or service stations.
- near automatic doors or fire alarms.

Notes

- To use the BLUETOOTH function, the connected BLUETOOTH device must have the same profile as this system.
- Even if the profiles are the same, the devices may work differently depending on their specifications.
- Due to the characteristics of wireless BLUETOOTH technology, the sound reproduced by this system is slightly delayed compared to the sound from the BLUETOOTH playback device during a telephone call or listening to music.
- This system supports security standards that comply with BLUETOOTH standards to ensure a secure connection when using BLUETOOTH wireless technology. However, depending on the settings, security may not be sufficient. Be careful when communicating using BLUETOOTH wireless technology.
- We are not responsible for information leakage during BLUETOOTH communication.
- A device with BLUETOOTH function is required to comply with the BLUETOOTH standards specified by the Bluetooth SIG standard and authentication. Although the connected equipment complies with the BLUETOOTH standards, some devices may not be able to be connected or may not work properly depending on the functions or technical specifications of the equipment.
- Depending on the BLUETOOTH device connected to this system, the communication environment, or the operating environment, noise or sound dropouts may occur.

Intelligent energy saving function

The speaker turns off automatically in the following cases:

- If the speaker is waiting for pairing for more than 20 minutes in Bluetooth mode.
- If speaker playback pauses / mutes for more than 20 minutes.

Troubleshooting

Warning!

If you encounter any issues with this device, try resolving them using this report. If precautions do not help, do not attempt to remove the device cover or repair it yourself. There is a risk of electric shock!

No sound

- Check that the sound is not muted.
- Check that the device is connected properly.

The device does not switch on.

- Check that the battery is charged.

Bluetooth connection issues

Bluetooth signal is interrupted:

The effective distance between the speakers and the device is up to 10 m. The signal will be interrupted if the distance between the Bluetooth device and the speakers is more than 10 m.

The Bluetooth device will find several other Bluetooth devices during the search: Wait for the search to complete and select "Crater-7" to pair. When using the phone, do not hold the mobile device too close to the loudspeaker to avoid echo (feedback).

Telephoning

Cannot hear the caller/recipient.

- Make sure both the Bluetooth mobile phone and this unit are turned on.
- Check the connection between the Bluetooth mobile phone and this speaker.
- Check that the output of the mobile Bluetooth phone is set for this speaker.
- Check that the speaker is not set to a low volume.
- Check that the volume on the Bluetooth mobile phone equipped with the volume control is not set to a low level.

Weak sound from the caller / recipient

- Increase the speaker volume.
- Increase the volume on a Bluetooth mobile phone equipped with a volume control.

Maintenance

Cleaning the surface of the device

Use a soft cloth slightly moistened with a mild cleaning solution to clean the surface, panel, and controls. Do not use any type of abrasive pad, scouring powder, or solvent, such as thinner, petrol, or alcohol.

Technical specifications

Generally

Audio output power:	8 W (RMS), 4 ohms
Speaker drivers:	4 speakers with a diameter of 40 mm
Connectors - input:	microUSB connector (charging / playback from PC)
Bluetooth:	Bluetooth standard 5 Profile: A2DP (Advanced Audio Distribution Profile) Profile for wireless music transmission in stereo quality Profile: AVRCP (Advanced Audio Distribution Profile) Profile for playback control Profile: HFP (Hands-free Profile) Profile for making calls or operating the phone in hands-free mode.
Band:	2.402 - 2.480 GHz
Power supply:	built-in rechargeable Li-Ion battery 3.7V, 2,500 mAh charging time approx. 3 hours max. playback time approx. 10 hours (depending on the selected volume)
Charging source:	DC 5 V, 700 mA (not supplied)
Frequency range:	80 Hz to 20 kHz
Signal-to-noise ratio:	70 dB
Dimensions:	approx. 123 x 61 mm (diameter x height)
Weight:	approx. 400 g
Supplied accessories:	operating instructions (1) Micro USB cable (1) audio cable with 3.5 mm mini connectors (1) Bluetooth USB adapter (1)

We reserve the right to make changes!

Producer:

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Česká republika



DISPOSAL OF USED ELECTRICAL AND ELECTRONIC EQUIPMENT

The symbol on the product or on its packaging indicates that this product does not belong to household waste. It is necessary to take it to a collection point for electrical recycling and electronic equipment.

By ensuring proper disposal of this product, you will help prevent negative consequences to the environment and human health that would otherwise be caused by inappropriate disposal of this product. For more detailed information about recycling of this product, please contact your local authority, your household waste disposal service or the shop where you purchased the product.



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

DECLARATION OF CONFORMITY

Short text Declaration of Conformity:

ORAVA retail 1, a.s. hereby declares that the Crater 7 complies with the essential requirements and other relevant conditions of Directive 2014/53/ EU of the European Parliament and of the Council.

The full text of the Declaration of Conformity is available at: www.orava.eu