

Outdoor speaker system with Bluetooth,  
FM radio and USB slot

**orava**

°  
**Crater<sub>11</sub>**

Instruction manual

EN



CE

**Crater-11**

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## Intended use of the device

The device is intended exclusively for playing audio signals from a mobile phone or other digital device or source (wirelessly using 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 influences operating environment.

ORAVA electrical appliances are manufactured in accordance with the state of the art and recognized safety regulations. 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!

**IPX7** This electrical equipment designation means that the equipment is made with an outer cover that protects it from water ingress. In this case, it is a level of protection against immersion in water with a maximum depth of up to 1m for a maximum of 30 minutes.

## 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 drivining 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 !!!

### **Charging the battery**

- The device is equipped with a rechargeable built-in battery.
- The battery can be charged by connecting it to a USB port on your PC or by a compatible charging AC / DC adapter specified by the manufacturer.
- The DC output parameters of the charging adapter must match the USB port values of your personal computer, typically: 5 V DC, 500 mA.
- The AC input parameters of the charging adapter must correspond to the values, typically: 230 V ~.
- Keep the device out of the reach of children while charging the battery.
- The time required to charge a fully discharged battery depends on its condition and ambient temperature. A fully discharged battery is charged in approx. 7 - 8 hours.
- The life of a fully charged battery when used (playing music) is about 8 hours at 60% volume.

## **Charging the battery by connecting the device to a PC**

- When charging the device via the USB port on the PC, make sure that your PC is connected to the power supply.
- A standard USB port is used to charge the battery from a PC, so you can charge the battery at home, in the office, in a car, or anywhere you have a USB port.

## **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.



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# Power supply

## Powered by built-in rechargeable battery

The device is powered by a built-in rechargeable battery.

Charge the battery before using it for the first time or whenever the battery is low / the message “out of battery” sounds or the device switches itself off completely.

You can charge the device's battery from an electrical socket using a suitable charger that has a USB-C connector (not supplied, 5 V, 2 A).

Connect the charger to an electrical socket and the USB-C connector to the USB-C connector on the device.

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 at a current of only 500 mA, charging will take a very long time.

## Powerbank function

The speaker is equipped with a built-in 2,500 mAh, 7.4 V battery. When charged, turn off the speaker and connect the standard USB connector on the speaker to the charging connector on the mobile phone / mp3 player / tablet and other digital devices using the supplied or suitable USB cable.

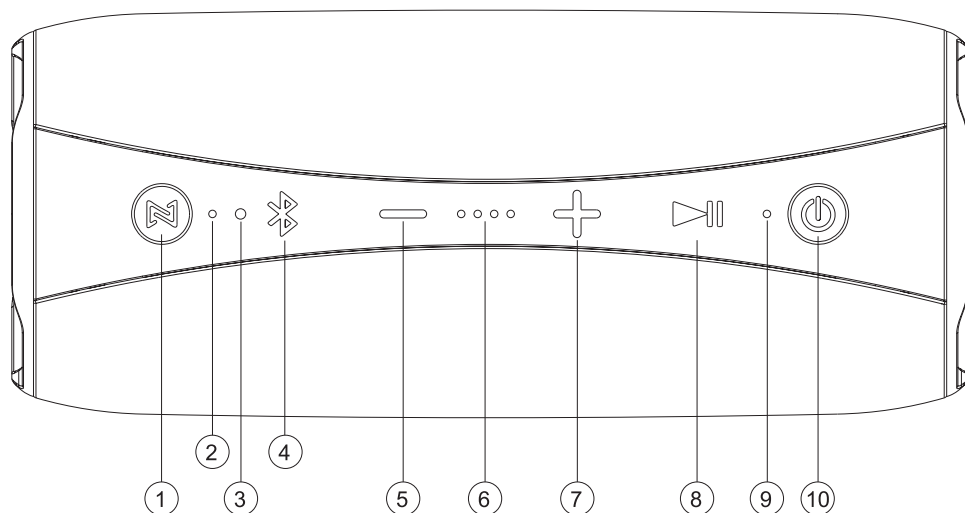
The speaker will then charge the battery in the connected digital device with a DC voltage of 5 V and max. output current at 1 A.

### Note

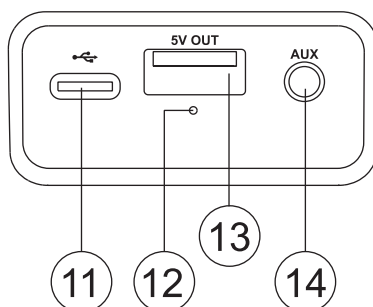
To make the speaker work as a powerbank, turn it off.

# Control elements





## Elements on the device (top side)



## Elements on the device (back)



## Top side



- 1 Button  (TWS) (True Wireless Stereo) button  
Short press: Turns the TWS function on/off  
Push and hold: Disconnect two TWS paired speakers Two short presses: Clear TWS pairing from memory
- 2 TWS mode and pairing indicator
- 3 Microphone
- 4 BT  button (Unpair Bluetooth/Turn on Bluetooth mode/  
In non-Bluetooth mode: Turn on/off the sound notification function)
- 5 - button /(Switch backwards / Switch the call sound from loudspeaker to phone and vice versa (long press)/  
Decrease volume (short press)  
Switch folders backwards (double short press)
- 6 Battery status indicator
- 7 + button /(Switch tracks forward/Switch call sound from loudspeaker to phone and vice versa (long press)/  
Volume up (short press)  
Fold folders forward (double short press)
- 8 Button   
Short press: Play/Pause/Stop/Answer/End call
- 9 Bluetooth mode and pairing indicator
- 10 Button  (BT/FM/USB/AUX audio source on/off/switching)

## Zadná strana

- 11 USB-C connector  
(Charger connection/connection from PC charging USB connector)
- 12 Charging indicator
- 13 Power USB connector (5 V OUT) - powerbank - phone charging, etc.  
USB connector - playback from a USB memory device
- 14 3.5 mm AUX mini connector (external audio source)

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## Switch the device on/off and adjust the sound

- 1 Press and hold  for more than 2 seconds to turn on the device. The LED indicator lights up in blue (the default mode when first switched on is Bluetooth mode), a voice message (Power on/Bluetooth Mode) sounds and the device switches on. The volume is set to a level of approx. 30%.
- 2 Briefly press the + and - buttons during playback to adjust the volume.
- 3 To switch off the device, press and hold button  for more than 2 seconds, a voice message (Power Off) sounds. The LED indicator goes out, a voice message sounds and the device switches off.


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## Connection of external devices

Connect the desired audio devices to the AUX connector with the supplied or suitable optional audio cable.


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## Play audio from external audio device / TV

- 1 Connect the audio or headphone output from another audio device or TV to the 3.5 mm AUX input jack on the back using the supplied audio cable.
- 2 Turn on the unit, then briefly press  to select the audio source for the **AUX** audio source ("Aux in Mode" will sound).
- 3 Start playback on the connected external audio device/TV and set the appropriate volume on it.
- 4 Briefly press the + and - buttons during playback to adjust the volume.

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# Bluetooth playback 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, and then press the  (BT) button to select the Bluetooth audio source (the Bluetooth mode LED will flash blue). The device will be in Bluetooth mode and ready to pair.

The first time you turn on the device, it automatically switches to Bluetooth mode (default mode).

- 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 11 appears on the display of your Bluetooth device, select it and wait until your Bluetooth device displays a pairing confirmation with the Crater 11 and the device receives the message "Device Paired".

If a password is required, enter 0000.

After successful pairing, the Bluetooth mode LED will stop flashing and will turn solid blue.

- 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

### Playing

Press  to start playback.

### Suspension

During playback, press . Playback pauses. While paused, press  again. Playback resumes.

### Reverse: -

Scroll to previous tracks by pressing and holding -.

### Fast forward: +

Scroll to the next tracks by pressing and holding the + button.

- 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 pressing ▷||| on this unit or the answer button on your mobile phone.

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

You can switch the call sound back to the phone or back to the loudspeaker during a call by briefly pressing the + or - key.

### Ending a call

Press ▷||| during a call to end the call.

### Make the last call

Press ▷||| twice briefly to call the last call number.

### Rejecting a call

Press and hold ▷||| during a ring to reject the call.

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

## Note

It is no longer necessary to pair again after pairing the devices. The devices will reconnect automatically 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 a Bluetooth device, they are currently connected and you want to cancel this pairing so you can connect another device, press and hold button ✂ (BT). The message “Device Disconnected” sounds. You can then pair with another Bluetooth device.

## Warning!





There may be sound when playing via Bluetooth. These outages are caused by interference, longer distances, obstacles, etc.

This is not a malfunction of the unit.

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# True Wireless Stereo (TWS)

If you have two Crater-11 speakers, you can pair them with each other's speakers. With two speakers, you get real stereo sound 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-11s at the same time by pressing and holding  for more than 2 seconds.  
The devices will turn on to Bluetooth mode and be ready to pair with another Bluetooth device (the device LEDs will flash blue).
- 3 Press and hold the  (**TWS**) button on any one speaker for about 2 seconds to activate the search for one speaker by another (during the search, the TWS pairing and mode LED will flash orange). Both speakers automatically pair with each other and connect to each other. After successful interconnection the TWS pairing LEDs of both speakers will light orange continuously. Both 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 11 appears on the display of your Bluetooth device, select it and wait until your Bluetooth device displays a pairing confirmation with Crater 11. On this device, which is the left speaker, the Bluetooth mode LED stops blinking blue and starts lights up continuously in blue and the message "Device Paired" sounds on the left device. The devices are paired.  
Now both speakers can simultaneously play music via Bluetooth in real stereo sound. To play, follow the steps in "Playing via Bluetooth from a Bluetooth device."
- 5 Disconnect two paired speakers  
Press the  (**TWS**) button on either of the two speakers. The message "Device Disconnected" sounds.  
To clear the TWS pairing memory, press and hold  (**TWS**). A beep sounds (TWS Cleared)



## Notes

- This function requires 2 Crater-11 speakers on.
- If no Crater-11 speaker is connected before TWS pairing to another Bluetooth device, the LEDs on both Crater-11 speakers flash blue when turned on.
- If both Crater-11 speakers have already been paired with another (third) Crater-11 speaker, the TWS pairing memory must be cleared first, otherwise the two speakers cannot be paired successfully.  
Press and hold the TWS button on both of these speakers to clear their TWS pairing memory.

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# Radio control

## Tuning and storing stations

- 1 Turn on the unit and press  to select the radio source (FM) "FM Mode" will sound.
- 2 Press and hold button  for about 2 seconds. All available FM radio stations are automatically tuned in and stored in the device memory.
- 3 Press and hold + and - to toggle the presets you are listening to.
- 4 Briefly press the + and - buttons during playback to adjust the volume.

## Switching preferences

In radio mode, press and hold the + and - buttons to switch the preset in the direction (up/down).

## Listening to the radio

For the best possible reception, select the location of the device so that the reception is the best.

## Note

When the FM mode is switched off and on again, the last station listened to is tuned in.




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# Playback from USB drive

## MP3/WMA file playback

The speaker can play MP3/WMA/WAV/APE/FLAC format in audio quality comparable to a CD.

You can play files from a USB memory device with a capacity of up to 32 GB. You can play the files using the buttons on the device.

- 1 Connect a USB memory device to the USB connector. The unit must contain audio files.
- 2 Turn on the device, then briefly press  to select **USB** audio source ("USB mode") sounds.
- 3 Playback from that media starts automatically from the first audio file on the media. If playback does not start automatically, press 7 on the device to start it.
- 4 Press and hold + and - during playback to fast forward and rewind songs.
- 5 Briefly press the + and - buttons during playback to adjust the volume.

## Playback operations

### Playback

Press  to start media playback from the first track.

### Suspension

During playback, press . Playback pauses.

While paused, press  again. Playback resumes.

### Reverse: -

Scroll to previous tracks by pressing and holding -.

### Fast forward: +

Scroll to the next tracks by pressing and holding the + button.

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## More details

### Power management function

#### **Auto power off in Bluetooth mode:**

The speaker will be in standby mode without a Bluetooth connection or without playing music for about 20 minutes. Then it will turn off automatically.

#### **Auto power off in AUX/USB/FM mode:**

The speaker will be in standby mode for about 20 minutes after pressing the ►|| button to turn off playback. Then it will turn off automatically.

To turn on the speaker, press and hold .

### USB connector for charging mobile phones/tablets, etc. (powerbank)

The speaker has a USB connector with an output DC voltage of +5 V, 1 A. It contains a 2,500 mAh battery, 7.5 V.

For charging a mobile phone, etc. connect the supplied USB cable to this speaker.

Turn off the speaker and connect the standard USB connector on the speaker to the charging connector on the mobile phone/mp3 player/tablet and other digital devices using the supplied or suitable USB cable.

The speaker will then charge the battery in the connected digital device with a DC voltage of 5 V and max. output current at 1 A.

#### **Note**

For the speaker to function as a Power Bank, turn it off.

### Bluetooth wireless technology

Bluetooth wireless technology is a short-range technology that enables wireless data communication between digital devices, such as PC and digital camera.

Bluetooth wireless technology works within 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 also use the devices when, for example, they are in a 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.

Electromagnetic radiation generating equipment 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 Bluetooth devices 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, planes or petrol 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 Bluetooth wireless technology, the sound reproduced by this system is slightly delayed compared to the sound from the Bluetooth playback device during a phone 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. According to however, security settings 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 functionality is required to comply with the Bluetooth standards specified by the Bluetooth SIG standard and authentication. Even if the connected device complies with the above Bluetooth standards, some devices may not be able to connect or may not work properly depending on the features or technical specifications of the device.
- Depending on the Bluetooth device connected to this system, the communication environment, or the operating environment, noise or sound dropouts may occur.

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# Troubleshooting

## Warning!

If you're having trouble with this device, try 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

- Make sure the sound is not muted.
- Check that the device is connected properly.
- Make sure the audio file is supported by the device.
- Try connecting this unit to another device using an audio cable with a 3.5 mm plug.

## 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 11" to pair. Do not hold the mobile device too close to the speaker when using the phone to avoid echo (feedback).

## Telephoning

### Cannot hear the caller/recipient.

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

### Weak sound from the caller/recipient

- Turn up the speaker volume.
- Turn up the volume on a Bluetooth mobile phone that has a volume control.

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# Maintenance

## Equipment surface cleaning

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.

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## Technical specifications

### Generally

<b>Audio output power:</b>	30 W (RMS), 2 x 15 W
<b>Speakers:</b>	2 x 57 mm (diameter) + 2x passive emitters
<b>Impedance:</b>	6 ohms
<b>Connectors - input:</b>	AUX - 3.5 mm mini connector (for external audio equipment) USB-C (built-in battery charging) USB/playback from connected USB device, charging external device (powerbank) /
<b>Bluetooth:</b>	Bluetooth standard 5.0 profile: A2DP (Advanced Audio Distribution Profile) profile for wireless music transmission in stereo quality range approx. 10 m (without obstacles)
<b>Power supply:</b>	built-in rechargeable lithium battery 2,500 mAh, 7.4 V
<b>Charging time:</b>	approx. 4 hours
<b>Distortion:</b>	Frequency range: 60 Hz - 18 kHz 10% or less
<b>Data rate mp3:</b>	32 - 320 kbps
<b>Dimensions (l x h x w):</b>	23 x 9.8 x 10.3 cm
<b>Ingress protection:</b>	IPX7
<b>Supplied accessories:</b>	operating instructions (1) USB-C cable (1) connecting audio cable with 3.5 mm mini-connectors (1)

We reserve the right to make changes!

**Producer:**

ORAVA retail 1, a.s.  
Seberínho 2  
821 03 Bratislava  
Slovenská republika

**Importer:**

ORAVA retail 1, a.s.  
Seberínho 2  
821 03 Bratislava  
Slovenská republika

ORAVA distribution CZ, s.r.o.  
Ostravská 494  
739 25 Sviadnov  
Česká republika

**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.

**DECLARATION OF CONFORMITY**

Short text Declaration of Conformity:

ORAVA retail 1, a.s. hereby declares that the Crater 11 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](http://www.orava.eu)