

Speaker system with Bluetooth and microSD slot

**orava**

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**Crater<sub>12</sub>**

Instruction manual

EN



CE

**Crater 12**

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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 effects of the 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

- The electrical equipment is designed and manufactured in such a way as to allow safe operation and use by unqualified persons. Despite all the measures taken by the manufacturer for safe use, operation and use, there are certain residual risks and the possible dangers associated with them.
- The following symbols and their meanings have been used on the device and in the accompanying documentation to warn of possible dangers:



This symbol alerts users to the fact that if the safety instructions for using and operating the device are not observed, there is a risk of:

Danger of serious injury or death!

Risk of equipment damage or other property damage!

### General safety instructions and warnings:

- Before putting the device into operation, we recommend that you carefully read the operating instructions and operate the device according to the established instructions.
- By failing to follow the safety instructions and warnings, the manufacturer is not liable for any damage to health or property.
- Always keep the operating instructions with the device for future reference and use by new users.
- Use the device only for the intended purpose and in the manner specified by the manufacturer.

It is not a professional device for commercial use.

## Operating environment safety

- Do not use the device in an industrial environment or in an outdoor, unfavorable environment!  
Do not expose the device to:
  - direct sunlight, sources and equipment producing excessive heat,
  - falls, vibrations and mechanical stress,
  - excessive dust,
  - water,
  - insects,
  - aggressive environmental influences.
- The operating environment of the device must always comply with the specified basic characteristics.

## 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: occasional condensation of water and occurrence of water vapor
  5. Occurrence of foreign bodies: the amount and type of dust are insignificant
- The basic degree of protection IP X0 (when the device is not protected by its cover against the effects of water) is not marked on the product and in the technical parameters stated in the operating instructions.
  - If the degree of protection of the cover on the product is different from the degree of IP X0, this information is then stated on the nameplate of the device or in the technical parameters of the operating instructions.
  - The device is not primarily intended for use in environments with a significant water effect.

## Personal safety

- This device may be used by children from the age of 8 and persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, provided they have been given supervision or instruction concerning the safe use of the device and understand the dangers involved.
- This device may also be used by small children (children aged 3 to 8) if the controls have been set by their parent or authorized guardian, or if the child has been sufficiently instructed in how to operate the controls safely.
- Children must not play with the device.
- Cleaning and maintenance by users must not be performed by children without supervision.

## **Cleaning, maintenance and repairs**

- Perform routine user cleaning and maintenance of electrical equipment only as recommended. Do not use chemical solvents or harsh cleaning items for cleaning.
- Never clean the device in a way that could immerse the liquid and allow the liquid to flow into the device.
- Only clean the device with a damp cloth and wipe it dry or allow it to dry.
- Keep the device clean and dry.
- Do not disassemble electrical / electronic equipment!
- Never repair electrical / electronic equipment yourself!

## **Special safety instructions and warnings**

- When transporting and carrying, be careful when moving to prevent the device from falling and being damaged.
- Unpack the device and accessories before putting them into operation and dispose of all parts of the packaging materials, labels and tags. Store packaging materials in a safe place, especially out of reach of children and incompetent persons, or dispose of them safely.
- If the device has been stored at low temperatures (e.g. in winter) or excessive humidity, first leave it for about 1 hour.  
“Acclimatize”, which removes any moisture in the electronic parts that arises when the ambient temperature changes.
- Do not expose the device to indoor use due to water or excessive humidity. Do not place any containers with water or other liquids on the device.
- Do not install near any heat sources or other devices that produce excessive heat.
- Do not place any objects on the device that can cause a dangerous situation (e.g. burning candles, etc.).
- To reduce the risk of electric shock (in the case of equipment that operates on hazardous AC power), do not disassemble or attempt to service the equipment yourself. Leave any repairs to the electrical equipment to qualified personnel.

## **Operation/Use**

### **Warning!**

- In places where the use of mobile phones is not permitted, or where the device may cause interference or danger, such as on an airplane, in hospitals, or near highly sensitive electronic medical devices, fuels, chemicals, or explosives. switch off mobile devices.
- Follow all safety instructions and warnings in these areas.
- Wireless audio devices that operate in the 2.4 GHz band may interfere with other wireless devices or networks.
- If this unit is placed too close to other devices with Bluetooth® technology or devices using the 2.4 GHz or 5 GHz frequency band, it may not work properly and noise and / or sound dropouts may occur due to radio interference.

### **Warning!**

- A speaker system for a mobile phone is a device that, in use, is associated with a change (reduction) in the perception of the surrounding sound stimuli. If you carry out any activities that are accompanied by an increased level of risk or danger to yourself or others in your area, always monitor your surroundings carefully so as not to injure yourself or others.
- Be very careful when using the device. In particular, be careful when:  
driving a car, driving and riding a motorcycle, riding a bicycle, or driving and riding another means of transport, where ATTENTION is required in the conditions of movement on public roads or public spaces where there are a number of people in the pursuit of leisure activities.

## Warning!

- The device is intended only for operation with a built-in battery, which must not be replaced by the user (the device is non-removable) and whose type and technical parameters are specified in the technical information of the operating instructions.
- Make sure that all cable connections are secure and correct. Do not insert any conductive objects into the connectors on the device.
- When connecting and disconnecting connector connections, pull the connections by the connectors, never pull the connection by the cable itself.
- Do not tie signal cables together. Do not wind the cables together. Do not subject signal cables to mechanical stress or damage.
- Do not let the signal cables hang loose or allow them to be freely accessible and accessible to children.

Risk of serious injury!

There is a risk of electric shock!

- The device contains parts of covers (e.g. ventilation grilles) which may become hot during normal operation. Do not cover the ventilation grilles.
- Never leave the device freely accessible and do not store it with a freely accessible cable. Children could download the device by the cable.

Risk of serious injury!

- Do not store the device with the cable wrapped around its body. Loosen the cable “loosely” in the way it was folded in the original packaging from the manufacturer.
- Never overload the device beyond the limits set by the technical parameters!
- If you notice any abnormalities (sounds, odors, smoke, ...), switch off the device immediately and disconnect it from the mains. Have the device checked by a specialist garage.
- Never underestimate the possible dangers and take extra care

## **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 AC / DC charging adapter specified by the manufacturer.
- The DC output parameters of the charging adapter must correspond to 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 about 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 short-range wireless radio transmission technology that enables wireless data communication and synchronization between digital devices such as a digital device, mobile phone, and the main set.
- ORAVA shall not be liable for any incidental, indirect or consequential damages or other damages, or disclosure of data and / or information that may occur during wireless transmission.

## **Frequency band**

- This technology uses an unlicensed 2.4 GHz microwave radio band.

## **Certification**

- This equipment complies with frequency limits and has been certified to meet the legal regulations regarding frequency bands. Therefore, a wireless permission is not required.

The following interventions are illegal:

- separation from the main equipment
- removal of parameter labels

## **Determination of use**

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

because mutual transmission interference can cause an accident.

## **Restrictions on use**

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

## **Range in use**

- Use the wireless device at a maximum distance of 10 m.
- Different types and nature of the environment, obstacles or interference may reduce the transmission range (e.g. metal obstacles, walls, people, ...).



### **Interference from other devices**

- If this unit is placed too close to other Bluetooth® technology devices or devices using the 2.4 GHz frequency band, it may not work properly and may problems in the form of noise and / or sound interruptions caused by radio wave interference may occur.
- This system may not work properly if the radio waves transmitted by a nearby radio station or similar device are too strong.

### **Others**

- If you experience discomfort while using Bluetooth® technology, stop using the Bluetooth device immediately.
- If any problem persists, contact your nearest ORAVA dealer.

### **Licenses**

- The Bluetooth® word mark and logos are owned by the Bluetooth SIG, Inc. and any use thereof by ORAVA retail 1, a.s. subject to license.
- Other trademarks and trade names are those 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 ("low battery" or the device shuts down completely arbitrarily).


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-C cable. With this connection, the battery in the device will be charged from the PC.

## Powerbank function

The speaker is equipped with a built-in 8,800 mAh battery (4x 2,200 mAh). When charged, turn off the speaker and connect the 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.

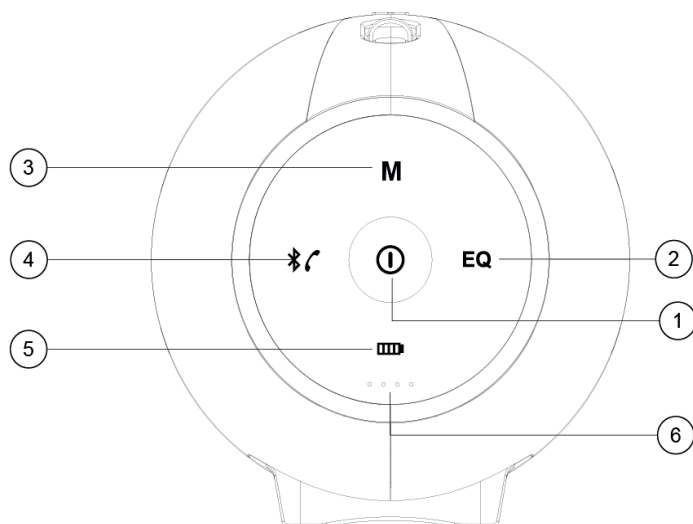
Press the button . The speaker will then charge the battery in the connected digital device with a DC voltage of 5 V and max. output current at 2.1 A.

### Note

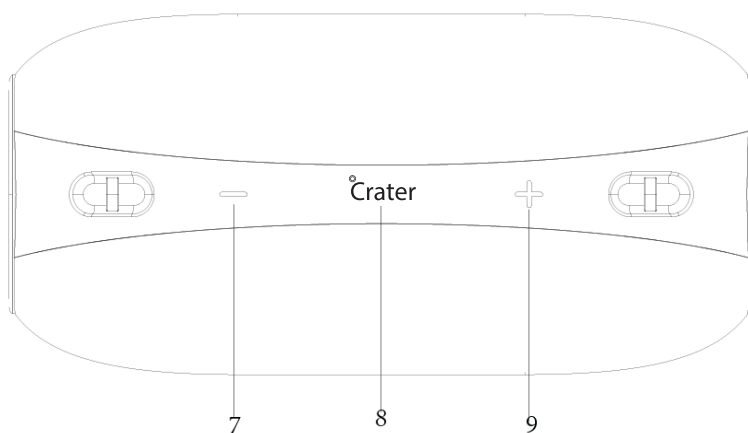
For the speaker to function as a powerbank, turn it off and press the button .

# Control elements

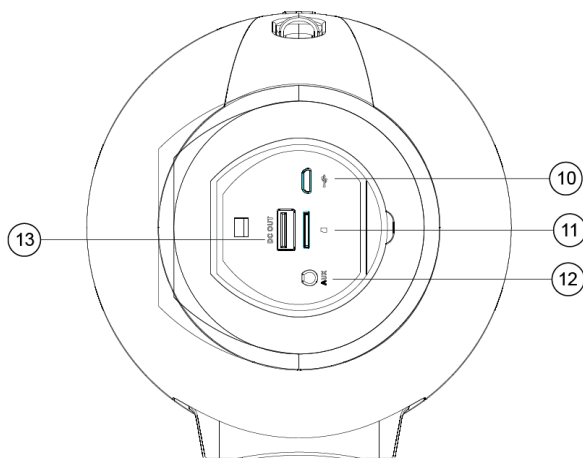
## Elements on devices (side)






## Elements on devices (front)




## Elements on the device (side)



### Side 1

- 1 Button  (On/Off)
- 2 **EQ** (Equalizer preset switching) button
- 3 **M** button (AUX IN/Bluetooth/SD/FM audio source switching)
- 4 Button  (Unpair Bluetooth/Reject call/Turn on Bluetooth mode/Answer call/Make last call/In non-Bluetooth mode: Turn on/off the sound notification function)
- 5 Button  (powerbank)
- 6 Battery status indicator

### Front


- 7 - (Switch backwards / Switch FM stations backward / Switch call sound from loudspeaker to phone and vice versa button (short press)  
Decrease volume (push and hold) Switch folders backwards (double short press)
- 8 Button  (Play/Pause/Stop button (short press)  
Automatic tuning of FM stations (press and hold for 3 seconds)  
Restore factory settings (press and hold for 8 seconds))
- 9 + button (Switch tracks forward / Switch FM stations forward / Switch call sound from loudspeaker to phone and vice versa (short press)  
Increase volume (push and hold) Switch folders forward (double short press)

### Side 2

- 10 USB-C connector  
(Charger connection/connection from PC USB connector for charging)
- 11 microSD card slot
- 12 3.5 mm AUX mini connector (external audio source)
- 13 Power USB connector (5 V OUT) - powerbank - phone charging, etc.

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## Sound settings

- 1 Press and hold  for more than 2 seconds to turn on the device.
- 2 Press and hold + and - during playback to adjust the volume. You can use the **EQ** button to select one of the equalizer presets.

### Equalizer setting (EQ)

The default mode is standard sound. Briefly press the **EQ** button to switch to bass sound mode, press the button again to switch to treble mode

(1 tinkle - standard sound/2 tinkles - bass sound/3 tinkles - treble sound).

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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 side using a suitable audio cable.
- 2 Turn on the unit and press **M** to select the audio source for the **AUX** audio source (the message "Aux in" sounds).
- 3 Start playback on the connected external audio device/TV and set the volume at the appropriate level.
- 4 Press and hold + and - during playback to adjust the volume. You can use the **EQ** button to select one of the equalizer presets.

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# Radio control

## Tuning and storing stations

- 1 Turn on the unit and press the **M** button to select the radio (FM) audio source ("FM mode" will sound).
- 2 Press and hold **Crater** for about 3 seconds. All available FM radio stations are automatically tuned in and stored in the device memory.
- 3 Briefly press the **+** and **-** buttons to switch the presets you are listening to.
- 4 Press and hold **+** and **-** during playback to adjust the volume. You can use the **EQ** button to select one of the equalizer presets.

## Switching preferences

In radio mode, briefly press the **+/-** button.

Switches by 1 preset in the corresponding 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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# 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 press the **M** button to select the audio source Bluetooth audio source (the button  will flash and the message "Bluetooth mode" will sound). The device will be in Bluetooth mode and ready to pair.
- 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 12 appears on the display of your Bluetooth device, select it and wait until a confirmation message with the Crater 12 device appears on the display of your Bluetooth device and an audible signal sounds from this device.

- 4 After pairing, you can start playback on your Bluetooth device and 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 the button . Playback pauses.

While paused, press the button  again. Playback resumes.

### Reverse: -


Scroll to the beginning of the current (single press) or previous tracks (press repeatedly) and play them automatically.

### Fast forward: +

Skip to the next track (s) (single press or repeat) and play it automatically.

- 5 Press and hold + and - during playback to adjust the volume. You can use the **EQ** button to select one of the equalizer presets.

## 6 Phone calls

If you receive a phone call while playing music via Bluetooth, answer the call by 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 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  the key twice briefly to call the last call number.

### Rejecting a call


Press and hold  during a ring to reject the call.

- 2 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 that you can connect another device, press and hold .

An acoustic signal sounds.

You can then pair with another Bluetooth device.

## Warning!

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





This is not a malfunction of the unit.




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# True Wireless Stereo (TWS)

If you have two Crater 12 speakers, you can pair them with each other and reproduce real stereo sound from a connected and paired Bluetooth device via Bluetooth via the two speakers.

- 1 Turn on these two Crater 12 devices at the same time by pressing and holding button 1 for more than 2 seconds.  
The devices will switch to Bluetooth mode and be ready to pair with another Bluetooth device (the button Crater will flash and the message “Bluetooth mode” will sound).
  - 2 Press and hold the **M** button on any one speaker to activate the search for one speaker by the other (the blue and green buttons Crater will flash alternately during the search). Both speakers automatically pair with each other and connect to each other. After a successful connection, the button Crater on the main speaker will flash blue and the button Crater on the other speaker will turn green continuously.
  - 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 12 appears on the display of your Bluetooth device, select it and wait until a confirmation message with the Crater 12 device appears on the display of your Bluetooth device and an audible signal sounds from this device.
  - 4 After pairing, you can start playback on your Bluetooth device and 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.
- 5 Disconnect two paired speakers**  
Press and hold the **M** button on either of the two speakers.  
To clear the TWS pairing memory, press the **M** button twice.

## Notes:

- This function requires 2 Crater 12 speakers on.
- If no Crater 12 speaker has been connected to another Bluetooth device before TWS pairing, the buttons Crater on both Crater 12 speakers will flash blue when turned on.
- If both Crater 12 speakers have already been paired with another Crater 12 speaker, the TWS pairing memory must be cleared first, otherwise the two speakers cannot be paired successfully.  
Press the **M** button twice on both of these speakers to clear their TWS pairing memory.

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# MicroSD card playback

## 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 microSD card with a capacity of up to 32 GB.

You can play the files using the buttons on the device.

- 1 Insert a microSD card into the microSD card slot.  
Insert the card in the correct direction.  
The media must contain audio files.
- 2 Press the **M** button to select the **SD** audio source ("Memory card mode" will sound).
- 3 Playback from that media starts automatically from the first audio file on the media. If playback does not start automatically, press **Crater** on the device to start it.
- 4 Press and hold **+** and **-** during playback to adjust the volume.  
You can use the **EQ** button to select one of the equalizer presets.

## Playback operations

### Playing

Press **Crater** to start media playback from the first song.

### Suspension

During playback, press the button **Crater**. Playback pauses.

While paused, press the button **Crater** again. Playback resumes.

### Reverse: -

Scroll to the beginning of the current (single press) or previous tracks (press repeatedly) and play them automatically.

### Fast forward: +

Skip to the next track (s) (single press or repeat) and play it automatically.

### Folder rewind: -

Two short presses switch to the previous folder on the card.

### Folder forward: +

Two short presses switch to the next folder on the card.

## MicroSD card reader

The speaker allows you to function as a microSD card reader for a connected PC.

- 1** Insert a microSD card into the microSD card slot.  
Insert the card in the correct direction.  
The media must contain some files.
- 2** Turn off the speaker and connect it to the PC with the supplied USB cable.
- 3** The speaker switches to card reader mode, then the microSD card can be read and written to directly from the connected PC.

### **Note:**

The first time you use this feature, the PC will automatically install the driver.

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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 10 minutes. Then it will turn off automatically.

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

The speaker will be in standby mode for about 10 minutes after pressing the mute button . Then it will turn off automatically.


To restore power to the speakers, press and hold 1.

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

The speaker has a USB connector with an output DC voltage of +5 V, 2 A. It contains 8,800 mAh (4x 2,200 mAh) batteries.

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.

Press the button . The speaker will then charge the battery in the connected digital device with a DC voltage of 5 V and max. output current at 2.1 A.

#### Note

For the speaker to function as a powerbank, turn it off and press the button .

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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>	40 W (RMS), 2 x 5 W + 2 x 15 W subwoofer
<b>Connectors - input:</b>	AUX - 3.5 mm mini connector (for external audio equipment)
<b>Bluetooth:</b>	Bluetooth standard 5.0 profile: A2DP (Advanced Audio Distribution Profile) profile for wireless music transmission in stereo quality tuning range: 87.5 MHz ~ 108 MHz
<b>FM radio:</b>	approx. 10 W
<b>Power consumption:</b>	built-in rechargeable lithium battery 4 x 2,200 mAh
<b>Power supply:</b>	the charge of the charged battery in the operating mode is approx. 8 hours. at 60% volume level. charging time approx. 7 - 8 hours DC: 7.4 V (built-in Li-ion battery) DC: from AC adapter, 5 V, 2,000 mA (not supplied)
<b>Frequency range:</b>	50 Hz to 20 kHz
<b>Distortion:</b>	1% or less
<b>Dimensions (W x H x D):</b>	285 x 138 x 142 mm
<b>Weight:</b>	1.9 kg
<b>Supplied accessories:</b>	operating instructions (1) USB-C cable (1) connecting audio cable with 3.5 mm mini-connectors (1) strap (1)

We reserve the right to make changes!

**Producer:**

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

**Importer:**

ORAVA retail 1, a.s.  
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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 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 12 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)