



# RR-30i

Instruction manual

EN



Before using the device, carefully read this manual and keep it for future reference.

Internet radio  
with DAB and FM Tuner

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# The intended use of the device

The device is intended exclusively for playing audio signals from external sources and devices, as well as for receiving and reproducing radio and online broadcasts, within the scope defined by its technical and operational parameters, functions, safety and user instructions, and the external influences of the operating environment.

Orava electrical appliances are manufactured in accordance with the latest state of the art and recognized safety and technical standards. However, improper or unauthorized use, or use contrary to its intended purpose, may result in a risk of injury or threat to the life of the user or third parties, as well as damage to the device or other property.

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## 1. GENERAL SAFETY INSTRUCTIONS AND WARNINGS



### **Read all instructions before using the device!**

- This document contains important safety instructions and warnings for the safe, proper, and efficient operation of the electrical device. Adhering to these guidelines helps users avoid risks, enhances reliability, and prolongs the product's lifespan.
- The term product in this document refers to an electrical device, which is any device used for the generation, conversion, transmission, distribution, or utilization of electrical energy.
- Based on the intended use of electrical energy, the term electrical device in a narrower sense includes the following categories:
  - Electrical household appliances
  - Information and communication devices
  - Consumer electronics
  - Lighting equipment
  - Electrical and electronic tools
  - Toys and devices for sports and recreational purposes
  - Medical devices (equipment)
  - Monitoring and control instruments
  - Vending machines

### **1.1 General Safety Guidelines**

- Before operating the device, it is recommended to carefully study the operating instructions and use the device according to the specified guidelines!
- The safety instructions and warnings in this manual do not cover all possible conditions and situations that may occur during the use of the device. Users must understand that personal responsibility and caution are critical factors that cannot be incorporated into any product. These factors must, therefore, be ensured by the users operating this device.
- The manufacturer is not liable for any health or property damage caused by non-compliance with the safety instructions and warnings!
- Keep the operating manual close to the device throughout its entire lifespan. Always store the manual with the appliance for future use and for new users of the device.
- Use the device solely for its intended purpose and in the manner specified by the manufacturer.
- The device is designed for use in households and similar indoor living spaces without specialized applications.

- This appliance is intended for use not only in households but also in the following settings:
  - Shops, offices, and other similar working environments;
  - Agricultural buildings;
  - Hotels, motels, and other residential settings;
  - Bed-and-breakfast establishments.
- This is not a professional device for commercial use.
- Do not alter the technical parameters or characteristics of the device through unauthorized modifications or adjustments to any part of the appliance.
- The manufacturer is not liable for damages caused during transport, improper use, or damage to the device resulting from adverse weather conditions.

## 1.2 Operational Environment Safety

- Do not use the device in industrial or outdoor environments!
- Do not expose the device to:
  - Sources of excessive heat or open flames,
  - Dripping or splashing water,
  - Vibrations and excessive mechanical stress,
  - Insects, animals, or plants,
  - Aggressive or chemical substances.
- The operational environment of the device must always comply with the defined basic characteristics.
- Characteristics of the Operational Environment:
  1. Ambient Temperature:  $5 \div +40$  °C
  2. Humidity:  $5 \div 85\%$
  3. Altitude:  $\leq 2,000$  m
  4. Water Exposure: Occasional water condensation or the presence of water vapor
  5. Foreign Objects: The amount and type of dust are insignificant
  6. Protection Rating: Minimum IP20 (protection against accidental contact with hazardous parts by fingers; not protected against water exposure)
- This protection rating is not marked on the product or listed in the technical specifications of the user manual.
- If the device's protection rating differs from IPX0, this information is specified on the device's label or in the technical specifications of the user manual.
- Other environmental factors in households (e.g., mechanical stress such as shocks and vibrations, the presence of plants, animals, or weather conditions) are negligible regarding the safe and correct use of electrical devices.

## 1.3 Electrical Safety

- Before connecting the appliance to the power supply for the first time, ensure that the voltage specified on the appliance's label matches the voltage of the household power socket.
- The appliance is designed to be powered from a 1/N/PE ~ 230 V 50 Hz electrical network.
- The electrical safety of the appliance is guaranteed only if it is properly connected to the electrical network.
- Protection Class I Electrical Devices are equipped with protective measures against electric shock via protective grounding of non-live parts, which may become live in case of a fault. Such devices must only be connected to properly installed sockets with protective grounding and a correctly connected grounding conductor.  
All Class I devices have a three-wire power supply cable.
- Protection Class II Electrical Devices are protected against electric shock through double or reinforced insulation of hazardous live electrical parts. Class II devices must not be equipped with protective grounding connections.  
All Class II devices have a two-wire power supply cable.

- Electrical appliances of Protection Class III are devices powered by a low-voltage source (battery or accumulator) and do not pose any electric shock hazard to the user.
- For increased safety against the risk of electric shock when electric appliances are used by non-professionals, it is recommended to install a residual current device (RCD) with a rated tripping current not exceeding 30 mA in the circuit for sockets with a rated current not exceeding 20 A.  
Consult a qualified electrician to ensure the safety and correctness of the electrical installation.
- Always use the power cable with the plug (power cord) supplied with the device, compatible with the network socket. Using another cable may lead to fire or electric shock.
- Always connect the appliance to an easily accessible power socket. In case of operational malfunction, the appliance must be turned off and disconnected from the power supply as quickly as possible.
- The power cable and plug must always remain easily accessible for safe disconnection from the electrical power supply.
- Do not unplug the power cable by pulling on the cable/cord. Disconnect by pulling the plug of the power cable/power cord.
- If using an extension power cable, ensure that the total rated power of all devices connected to the extension cable does not exceed its maximum current load.
- If an extension power cable or power block must be used, ensure that it is connected to an electrical socket, not to another extension power cable or power block. The extension cable or power block must be designed for grounded electrical plugs and connected to a properly grounded electrical socket.
- The appliance's power plug must be compatible with the network socket. Never use any adapters, nor modify the socket in any way. Do not use unsuitable or damaged sockets!
- To avoid electric shock, connect the appliance's power cables to properly grounded electrical sockets. If the device is equipped with a 3-prong power plug, do not use adapters without a grounding element, nor remove the grounding element from the plug or adapter.
- Do not bend, crush, or otherwise subject the power cable/power cord to mechanical stress or external heat sources. Damage to the power cable may result in electric shock.
- If the power cable is damaged, disconnect the appliance from the electrical network and do not use it further.
- If the power cable/power cord is damaged, it must be replaced by the manufacturer, its service department, or similarly qualified personnel to avoid the risk of electric shock.
- Regularly check and maintain the electrical appliance, power cable, and socket. Regularly unplug the power plug and clean it as needed. Dirt from dust or other substances can impair insulation and cause fire.
- Do not expose the electrical appliance to water or moist environments. Water ingress into the appliance increases the risk of electric shock. If the power cable is wet or water has entered the appliance, immediately disconnect it from the electrical network. If the appliance is connected to the network socket, and possible, turn off the power at the circuit breaker before attempting to disconnect the power. Be extremely cautious when pulling wet cables from a live power source.
- If disassembling protective covers during the installation (connection) of the electrical device, ensure that after installation, the electrical parts of the device are not accessible to users.

## 1.4 Safety of Persons

- This appliance is intended for use and operation by persons without technical qualifications (laypersons), according to the instructions provided by the manufacturer.
- The operator's duties include turning the appliance on and off, user handling, adjusting operating parameters, visual or auditory checks of the appliance, and user cleaning and maintenance.
- This appliance can be used by children from 8 years old and by persons with reduced physical, sensory, or mental abilities, or with lack of experience or knowledge, provided they are supervised or have received instructions on safe appliance use and understand the associated risks.
- Children must not play with the appliance.
- Cleaning and maintenance should not be performed by children without supervision.
- During use and operation, always keep the appliance out of the reach of children. Do not forget that the appliance can also be pulled by the accessible power cord.
- Always exercise extra caution when operating an electrical appliance! Do not use the appliance if you are overly tired, under the influence of medications or intoxicating substances that impair attention and concentration.
- Lack of attention during operation may lead to serious injury.

## 1.5 Cleaning, Maintenance, and Repairs

- Perform routine cleaning and maintenance of the appliance only in the recommended manner. Do not use solvents or abrasive cleaning tools. Dirt and visible marks from fingerprints or hands can be cleaned using cleaning detergents specifically designed for home appliances.
- When not using the appliance, when cleaning it, or when a malfunction occurs, always disconnect the appliance from the power supply.
- Electric appliances that are cleaned after use and are not designed to be completely or partially submerged in water or other liquids must be protected from dripping and/or spraying water and from immersion.
- Like all technical devices, household appliances are subject to the effects of the surrounding operating environment and natural wear. Since no legal framework for regular maintenance of household appliances used by laypersons is established, the manufacturer recommends that the appliance be professionally checked and cleaned at least once a year in an authorized service center.
- This procedure helps maintain safety, operational reliability, and extends the appliance's operational lifespan.
- Do not disassemble the appliance! The appliance operates with dangerous voltage. Always turn off the appliance and disconnect it from the power supply before performing any maintenance. In case of malfunction, leave the repair to authorized service personnel.
- Before calling for service:
  1. Turn the appliance off and on to see if the malfunction recurs.
  2. If the malfunction persists after these steps, call the nearest authorized service.
- Never attempt to repair the appliance yourself!
- Unauthorized, unqualified, and improper intervention in the appliance can result in electric shock or other serious injuries.
- For warranty and out-of-warranty repairs, entrust the appliance only to the appropriate qualified professional <sup>(\*)</sup>.

<sup>(\*)</sup> Qualified professional: The manufacturer or importer's sales department, or a person qualified and authorized to perform this type of work, capable of avoiding all hazards.

## 2. Special Safety Instructions. Read carefully!

The electrical device is designed and manufactured in such a way that it allows for safe operation and use by persons without specialized qualifications. Despite all the precautions taken by the manufacturer for safe usage, operation, and handling, there are residual risks and potential dangers associated with it.

To alert users to potential hazards, the following symbols are used on the device and in the accompanying documentation, along with their meanings:



This symbol alerts users that the device operates with hazardous electrical voltage. Do not remove protective covers from the device. Failure to follow safety instructions during operation and use of the device may lead to:

**Risk of electric shock!**

**Risk of serious injury or life-threatening danger!**



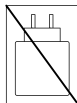
This symbol alerts users that failure to follow safety instructions during operation and use of the device may result in:

**Risk of serious injury or life-threatening danger!**

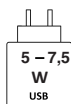
**Risk of damage to the device or other property!**



This symbol indicates that protection is ensured by operating with safe low voltage, e.g., through a safety transformer.



This symbol indicates that the device is not supplied with a power source.



This symbol indicates that the device is compatible with adapters for charging power up to 5 to 7.5 watts.

### Transportation/Carrying

- When transporting and using, for example, a trolley, be careful when moving the device to avoid tipping.
- Transport/Carry the device only after thoroughly inspecting the area and route, which must be free of obstacles.
- Never carry the device while it is in operation. Do not transport the device while it is connected to the power outlet.
- Carry the device with both hands, firmly grasping the bottom edge of its base or other solid parts of its body.
- When transporting, ensure that your hands and the device are not wet or slippery. There is a risk of serious injury or life-threatening danger!  
There is a risk of damaging the device!

## Unpacking/Packaging

- Before putting the device (and its accessories, if equipped) into operation, unpack it and remove all parts from the packaging materials, labels, and tags. Store the packaging materials in a safe place, especially out of the reach of children and incompetent individuals, or dispose of them properly.
- Clean the device before putting it into operation, according to the instructions in the „Commissioning“ or „Cleaning and Maintenance“ sections.
- Never clean the device (and the remote control, if equipped) and power cord in a way that could allow cleaning liquids to enter the device.
- Clean these parts only with a slightly damp cloth and dry them or allow them to air dry.
- Clean the device only when it is switched off and disconnected from the power supply.  
There is a risk of electric shock!  
There is a risk of electrical short-circuit!

## Inspection/Commissioning

- We recommend performing an initial and regular inspection of the device.
- Never use the device if it is incomplete, damaged, or if any part of it has been damaged during use.
- Do not use non-original and incomplete parts or accessories for the device.  
There is a risk of serious injury!  
There is a risk of damaging the device or other property!
- If the device was transported or stored in low temperatures (e.g., in winter) or excessive humidity, allow it to „acclimatize“ for about 1-2 hours at room temperature to remove any moisture from electrical/electronic parts caused by changes in the surrounding temperature.
- Do not turn the device on or off by inserting or removing the power cord from the electrical outlet.
- Always connect the device to the power outlet first and then switch it on using the main switch.
- After use, switch off the device using the main switch and then unplug the power cord from the outlet.
- If the main switch is not functioning on the device, do not use it.
- The device is under dangerous voltage while connected to the power supply.  
There is a risk of electric shock!

## Placement/Installation

- Place the device only on:  
- Flat, stable, and firm surfaces – tables, furniture, or other areas suitable for audio/video equipment.
- Always ensure that the surface where you plan to place the device is strong enough and can bear the weight.
- Do not install the device in spaces (e.g., closed shelves, built-in wardrobes, etc.) that do not allow sufficient surrounding space and ventilation.
- To ensure proper air circulation, leave enough free space around the device. It is recommended to leave at least 10 cm on all sides.
- Do not cover the device, even partially. Do not place any objects or decorative fabrics on the device, and do not insert or allow foreign objects to enter the ventilation openings or cover openings.
- Do not block the air vents on the covers. Proper ventilation ensures the reliable and safe operation of the device.  
There is a risk of electric shock!  
There is a risk of fire!

**Warning!**

- Do not expose the audio device (and the remote control, if equipped) to:
  - Direct sunlight, heat-producing devices,
  - Vibrations and mechanical stress,
  - Excessive dust,
  - Water and excessive humidity,
  - Insects,
  - Aggressive external environments.
- Do not place the audio device (and the remote control, if equipped) on:
  - Areas where medical devices are used. It could interfere with their function.
  - Unstable carts, stands, or tables,
  - Uneven, unstable, or dirty surfaces,
  - The edges of tables, desks, or furniture,
  - Near containers with water or other liquids.
- Do not place containers with water or other liquids on shelves located above the device.
- Do not place any objects, especially items with an open flame, on the device or on shelves located above it.

**Warning!**

- Place the device in an area where children cannot reach it.
- Prevent children from handling the device. It may tip over and cause serious injury.
- Mechanical damage (e.g., cracks in plastic covers) can cause serious injury.  
There is a risk of serious injury!  
There is a risk of damaging the device or other property!
- Do not place or use the device near containers of water. If the device falls into water, do not remove it! First, unplug the power cord from the outlet, and then remove the device from the water. In such cases, take the device to a service center for inspection to check whether it is safe and functioning properly.  
There is a risk of electric shock!  
There is a risk of electrical short-circuit!
- Do not expose the device and its accessories to strong vibrations and/or impacts. Prevent objects from falling onto or striking the device.  
There is a risk of serious injury!  
There is a risk of damaging the device or other property!

## **Operation/Supervision**

- Keep the device under supervision during use and operation!
- Ensure that all electrical cable connections are safely and properly connected. If the power cord is not securely attached to the device, make sure it does not disconnect while the plug is inserted into the socket. A loose power cord end is under dangerous voltage. Do not insert conductive objects into the socket.
- During a thunderstorm, avoid touching the device, power cord, or antenna system. You could be struck by lightning. During a storm or if you are not using the device for an extended period, unplug the power cord.
- Disconnect the device from the power supply when leaving children or unauthorized persons near the device without supervision.

**Risk of serious injury!**

**Risk of electric shock!**

**Risk of fire!**

- Do not bundle the power cord and signal cables together. Do not coil them together. The power cord must remain accessible for safe disconnection from the power supply.
- Do not subject the power cord and signal cables to mechanical stress or damage.
- Do not leave the power cord and signal cables hanging loosely or within reach of children.

**Risk of serious injury!**

**Risk of electric shock!**

- The device contains parts of covers (e.g., ventilation grilles) that may become hot during normal operation. Do not touch these parts.
- Never leave the device accessible, and do not leave the power cord exposed. Children could pull the device by the power cord.

**Risk of serious injury!**

- If the device is also equipped for audio signal reproduction via headphones: Do not use the headphones set to an extreme sound pressure level.

**Risk of serious hearing damage or loss!**

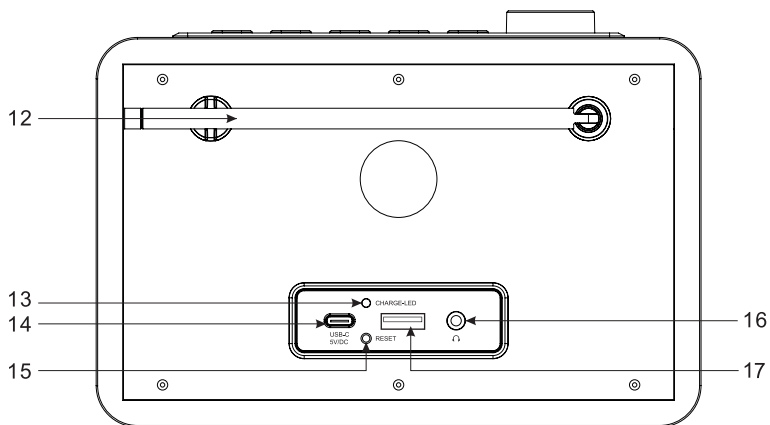
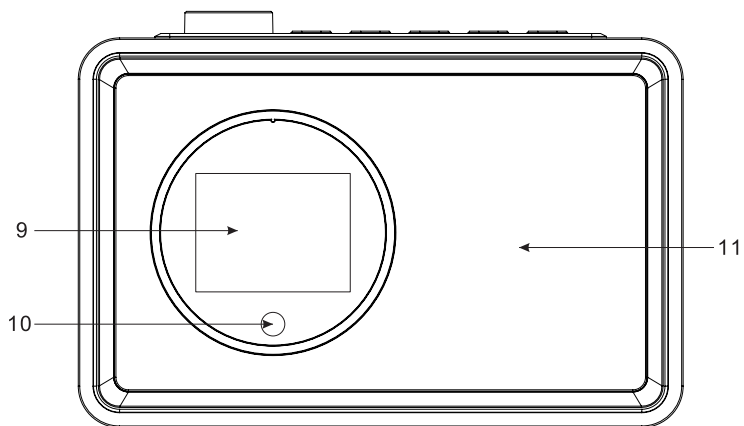
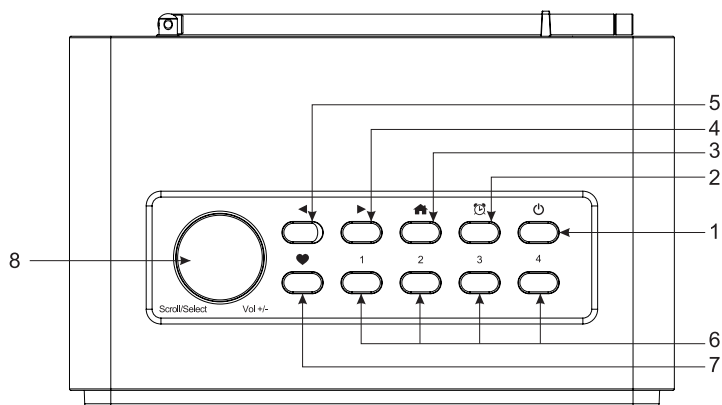
- If you do not plan to use the device for an extended period, unplug the power cord from the socket. Dust accumulation and moisture in the environment can impair electrical insulation.

**Risk of electric shock!**

**Risk of fire!**

- Do not store the device with the power cord wrapped around its body. Coil the power cord loosely in the same manner as it was originally packaged by the manufacturer.
- Never overload the device beyond the limits set by the technical specifications!
- If you notice any unusual behavior (sounds, smells, smoke, etc.) while using the device, immediately turn it off and disconnect it from the power supply. Have the device checked by a qualified service center.

# Parts and controls Index



- 1  **(STANDBY)**  
Power on/off/Toggle to/from standby mode/Turn on the radio
- 2   
Alarm settings (Alarm 1 and Alarm 2)
- 3   
Access to the home screen/Pressing this button returns you to the playback screen.  
Press and hold to access EQ (equalizer) settings
- 4   
Scroll right/Display the Edit Menu below the favorite list (Favourite)/  
Display large clock and radio information under playback display
- 5   
Return to the previous Menu/Scroll left
- 6 Preset buttons 1 – 4  
Press and hold to add 4 favorite stations.  
A short press recalls a station from memory
- 7   
Press and hold to save the selected station as a preset.  
Press to bring up the list of favorite stations
- 8 **Scrolling / Selection / Volume**  
Turning scrolls the Menu up/down.  
Turning adjusts the volume on the playback screen.  
Press to confirm/select options from the Menu.  
Press to stop/resume playback of the radio station.
- 9 2,4" color TFT display
- 10 Remote control sensor
- 11 Speaker
- 12 Telescopic antenna
- 13 LED charging indicator
- 14 USB-C connector (connects power adapter DC IN)
- 15 Reset button hole (use a suitable pointed object)
- 16 3.5mm mini jack for headphones
- 17 USB connector

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## Dupplied Accessories

Check that the following accessories were included with your device:

**User manual (1)**

**Device (1) and remote control (1)**

**USB-C cable (1)**

## Remote Control

### 1 (STANDBY)

Toggle to/from standby mode. Press and hold to turn off the radio. The radio can only be turned on by pressing button  on the device.

### 2

Mute/unmute

### 3 0 – 9

Enter index numbers in the list/Enter characters when entering the WiFi password

### 4

Save the selected station as a preset in the favorite stations list

### 5

Recall the list of favorite stations

### 6

Scroll up

### 7

Return to the previous Menu/Scroll left

### 8 OK

Confirm selection/entry

### 9

Scroll right

### 10

Scroll down

### 11

Alarm settings

### 12

Set the sleep timer

### 13 +

Increase volume

### 14 -

Decrease volume

### 15 MODE

Switch radio modes

### 16

Access the home screen

### 17 EQ

Access EQ (equalizer) settings

### 18

Play/Pause/Radio: Start/Stop internet radio

### 19

Skip back to previous track/Radio: Skip to previous preset in the list

### 20

Skip forward to next track/Radio: Skip to next preset in the list

### 21 LOCAL

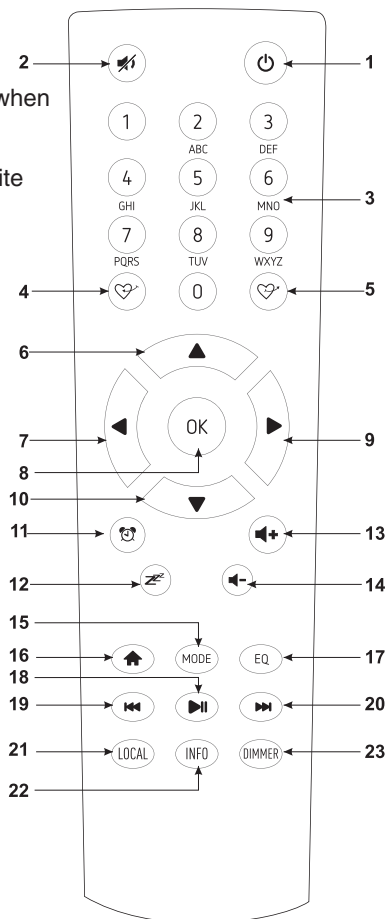
Display the list of local stations (see local area settings in Configuration)

### 22 INFO

Display network and system information

### 23 DIMMER

Display the brightness menu to adjust the display brightness



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## Inserting the Battery into the Remote Control

The system can be operated using the supplied remote control.

Open the battery compartment cover on the back of the remote control.

Insert two 1.5 V AAA batteries into the compartment, ensuring the correct polarity (+ and -). Close the battery compartment cover on the remote control.

When using the remote control, point it towards the sensor on the system that receives the signals from the remote control **(10)**.

### Notes

- Do not leave the remote control in very hot or humid places.
- Do not use a new battery together with an old one.
- Ensure that no foreign objects enter the remote control, especially during battery replacement.
- Do not place the device so that the remote control sensor is exposed to direct sunlight or light from lamps. Otherwise, the remote control may malfunction.
- If you do not use the remote control for an extended period, remove the batteries to prevent potential leakage and corrosion.
- After unpacking the remote control, remove the battery lock foil by pulling it out.

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## Basic Operations

1. Carefully unpack the device and remove all packaging materials.
2. Prepare an appropriate AC adapter (DC 5 V, 1.5 A) (not supplied, only the USB-C cable is provided).
3. Place the device on a stable and flat surface, near an electrical outlet, out of direct sunlight, and away from excessive heat, dust, moisture, or strong magnetic fields.
4. Ensure that the following is ready: You have a broadband internet connection.  
A wireless broadband router is connected to the internet. The radio supports wireless connections B, G, and N (you can also use an N wireless router set to B or G). You know the code/password for Wired Equivalent Privacy (WEP) or Wi-Fi Protected Access (WPA) for data encryption.  
You will need to enter this code when the radio connects to the wireless router for network access. If you do not know the code/password, contact the person/network administrator/technician who set up your router/network.  
The radio will then be able to connect to the network via wireless (Wi-Fi) connection.

**5** Connect the AC adapter power cable to the **USB-C (DC IN) connector (14)** on the back of the device and plug the AC adapter (5V, 1.5A) into an electrical outlet.  
If the built-in battery in the device is charged, there will be no need to connect to the electrical network. Try using the device with power from the built-in lithium battery. After connecting to the power source, the device will automatically turn on and switch to standby mode.

### Charging the Battery

You can check the battery charge status on the radio. The battery status indicator is located in the top line of the display. When the battery is nearly drained, the battery indicator will continue to blink, indicating that charging is required.

To charge the battery, connect the AC adapter power cable to the **USB-C (DC IN) connector (14)** on the back of the device, and plug the AC adapter (5V, 1.5A) into an electrical outlet.

The LED indicator will light up red, indicating that the battery is charging. Once the charging is complete, the LED indicator will turn green.

### Note

Charging may take much longer if the radio is turned on and playing music during the charging process. If the radio is charging and playing at the same time, it is recommended to use a 5V, 2A AC power adapter to ensure adequate power for the output sound.

**6** To turn the radio on  (1), press and hold the button on the device. (Press and hold the same button again to turn it off.)

Pressing the button briefly while the device is on will switch it to standby mode. You can also use button  on the remote control to toggle between the on/standby modes.

**7** After turning on , press on the device  or the remote control to display the home screen, where you can navigate and select items in the menu by rotating the **Dial/Select/Volume** control or pressing the   buttons. Confirm your selection by pressing the dial or the OK button on the remote control.

Further details are available in the manual.

**8** To adjust the volume during playback, rotate the Dial/Select/Volume control on the device or press the  + and - buttons on the remote control.

Press the button  on the remote control to mute and unmute the sound.

### Using Headphones (not supplied)

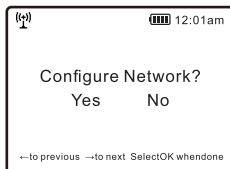
When you connect headphones to the 3.5mm mini-jack (16) on the device, the speaker sound will turn off, and audio will be played through the headphones.

# Settings

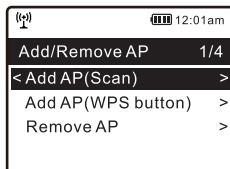
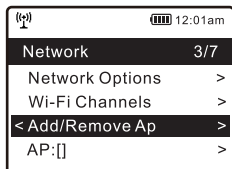
## Network Setup

Internet connection can be configured using a wireless network (WiFi). The radio requires a broadband internet connection.

- If this is your first time using the device, the network configuration guide will appear. To start configuring the network, turn the “**Scroll / Select / Volume**” select Yes. Scroll to “Yes” and press the “**Scroll / Select / Volume**” knob (hereinafter referred to as the remote) confirm selection.



- If you are setting up the connection after completing the initial setup, go to the home screen and select **Configuration > Network**.
- From the list, select Add/Remove AP (IN AP Add/Remove) by rotating the control (scroll) and confirming the selection by pressing the control. Then, choose Add AP (Connect to WiFi):



- The search for available Wi-Fi networks will start. Scroll to your network and confirm the selection by pressing the control. If your Wi-Fi network is password-protected, a prompt will appear to enter the access password. You can enter the password using either the control or the remote control:

### Using the Remote Control

Use the number buttons (0–9) to switch between characters assigned to each button by repeatedly pressing the corresponding key. See the list below. To enter a character, highlight it and press the OK button to confirm and enter the next character. When entering the last character of the password, press and hold the OK button to finish.

Button 1: 1 and various symbols !@#\$\$%^&\*( )\_+[]{};:”|.,/<>?

Button 2: 2ABCabc

Button 3: 3DEFdef

Button 4: 4GHI

Button 5: 5JKLjkl

Button 6: 6MNOmno

Button 7: 7PQRSpqrs

Button 8: 8TUVtuv

Button 9: 9WXYZwxyz

Button 0: 0

## Using the Radio's Control

Using the control, scroll through the characters, highlight the desired character, and confirm the selection by pressing the control to enter the next character. When you reach the last character of the password, press and hold the control to confirm and complete the entry.

### Note

Passwords are case-sensitive. If you don't know the password, request it from the network administrator or the person who set up the network.

- Once the Wi-Fi connection is successful, Association Complete will briefly appear. The Wi-Fi signal strength bar will appear in the upper left corner of the display:

**Wi-Fi signal strength bar**



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## Feature Overview

Press  to display the home screen (Main Menu). In the Menu, scroll using the control or the /  buttons on the remote control:

### My Favorite

View a list of favorite stations assigned to presets. Up to 150 presets are available.

### Internet Radio

Search for global radio stations and music.

### Media Center

Browse and stream music from the network through UPnP or DLNA-compatible devices.

### DAB+/DAB Radio

Listen to DAB+ and DAB stations if DAB signal is available in your area (no internet connection required).

### FM Radio

Receive regular FM radio stations in your area (no internet connection required).

### USB

Play audio files from a connected USB drive (flash drive).

### BT Streaming

Bluetooth playback and listening to audio streamed from another Bluetooth device after pairing/connection.

### Alarm

Settings for two alarms are available.

### Timer

Set a timer from 1 second to 99 hours, 59 minutes, and 59 seconds.

### Sleep Timer

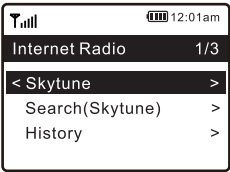
Activate a timer to turn the radio into standby mode after the set time.

### Configuration

More options/settings for customization according to your preferences.

# Internet Radio

Press **Home** to display the home screen (Main Menu). In the Menu, use the rotary knob or the **Left/Right** buttons on the remote control to select **Internet Radio**.



## Skytune (Tuning)

Select **Skytune** and start enjoying thousands of radio stations from around the world. You can filter your search by region, music genre, and talk shows. **Local Radio** allows you to quickly access stations available in your area through an internet connection.



## Note

You can change the area for **Local Radio** in the **Configuration settings > Local Radio**. For more details, see the rest of the manual.

When scrolling through the **Globe All** list and you want to quickly reach a specific point in the long list, enter the index number on the remote control to jump to that point. For example, on the remote control, enter 2 and 8, then press OK. Station number 28 will be highlighted.

## Search

Instead of scrolling through the list of radio stations, you can enter a few characters of the desired station to filter stations or sort them into a shortened list.

## History (Previous)

The radio remembers the stations you've listened to (up to 99 stations). If you've listened to more than 99 stations, the first (oldest) station will be replaced by the most recent one.

## Starting Internet Radio Playback

When a radio station starts playing, additional information about the station may appear. Press the **Play/Pause** button when the screen below appears.



Whenever you press the ► button, you toggle between displaying the large clock and information about the radio station:



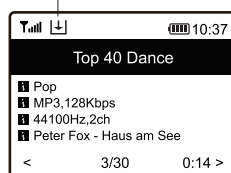
## My Favorite

This option shows a list of your favorite stations that have been saved to presets.

## Saving a Station to Presets

When the desired radio station is playing, press the button  on the remote control or press and hold the button  on the radio. An icon will appear  as shown below, indicating that the station has been added to your favorites list.

### Icon for saving to favorites



The newly added station will always appear at the last position in the favorites list. You can save up to 150 presets.

## Calling Up a Saved Station

Press the button  on the remote control or briefly press the button  on the radio to display the preset list, or go to the **My Favorite** option in the main Menu and confirm the selection.

## Editing the Favorites List

In the favorites list, select the radio station you want to edit, then press the ► button on the remote control (or press ► on the radio).

The **Edit** Menu will appear with the following options:

**Move down** – Move the station down in the order

**Move up** – Move the station up in the order

**Delete** – Remove the specific station

**Move to top** – Move the station to the top of the favorites list

**Move to bottom** – Move the station to the bottom of the favorites list

---

# Media Playback from the Network (Media Centre)

The device supports UPnP and is compatible with DLNA playback.

This provides the option to stream music from your network. However, this requires you to have a compatible device on the network that can function as a media server. This could be, for example, a network hard drive or a regular PC (e.g., running Windows OS) with access to a shared folder or media sharing enabled. The folders can then be browsed and played on this radio.

## Note

Before using this feature, make sure your PC (media storage) is connected to the same Wi-Fi network as this radio.

## Music Streaming

- Once the UPnP/DLNA-compatible server is configured to share media files with this radio, you can start streaming music.
- In the main Menu, select Media Centre and choose UPnP.
- The radio may take a few seconds to finish searching for available UPnP servers. If no UPnP servers are found, an empty list will be displayed.
- After a successful search, select your UPnP server.
- The radio will display media categories available from the UPnP server, such as "Music," "Playlists," etc.
- Select the media files you want to play.

You can set the playback mode in **Configuration > Playback**.

## My Playlist

You can create your own playlist for music files from the UPnP server.

Select and highlight the track you want to add to the playlist, press and hold the button  on the radio or press the button  on the remote control until the icon  appears. The track will be added to your playlist.

## Clear My Playlist

You can clear the entire playlist if you want to create a new one.

## Note

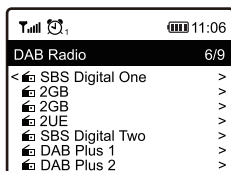
If DLNA-compatible servers are available, follow the steps described above to browse and play audio files from a DLNA-compatible device on this radio.

# DAB+/DAB Radio (Digital Audio Broadcasting)

If digital audio broadcasting (DAB) is available in your area, the radio can also receive DAB stations (no internet connection required). The radio supports both DAB and DAB+ systems.

Place the radio near a window and fully extend the telescopic antenna to achieve the best reception. Sometimes, adjusting the antenna direction may improve reception. On the home screen, go to **DAB Radio**, or use the **MODE** button on the remote control to switch to DAB radio. Then press **OK** to start.

To begin tuning, select **DAB Full Scan**. After tuning, a list of presets for your tuning will be displayed.



You can select a station and start listening. Whenever you want to add the station to the **My Favorite** list, press the button on the remote control or press and hold the button  on the radio. The station will be added to your favorites list.

To return to the preset list, always press the **◀** button.

## Note

When a DAB station is playing, pressing the **▶** button will display additional information about the station. Each press of the **▶** button will display different information at the time, such as the station frequency, scrolling text (if available), and large clock.

Any new digital radio stations that are added should be automatically received by the radio if they are part of the multiplex you already received. Otherwise, you will need to retune the presets.

# Tuner (FM radio)

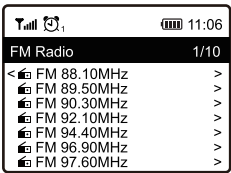
You can also tune stations in the FM radio band.

Before tuning, turn the volume to the minimum level.

To receive regular FM stations (no internet connection required), place the radio near a window and fully extend the telescopic antenna to achieve the best reception. Sometimes, adjusting the antenna direction may improve reception.

On the home screen, go to **FM Radio**, or use the **MODE** button on the remote control to switch to FM radio. Then press the controller (or the **OK** button on the remote control) to start.

To begin tuning, select **FM Full Scan**. After tuning is complete, the radio will automatically save the tuned stations to presets and display a list of presets for your tuning.



You can select a station and start listening. Whenever you want to add the station to the **My Favorite** list, press the button  on the remote control or press and hold the button  on the radio. The station will be added to your favorites list.

To return to the preset list, always press the  button.

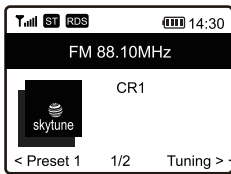
## Note

When an FM station is playing, pressing the  button will display additional information about the station. Each press of the  button will display different information at the time, such as the station frequency, scrolling text (if available), and large clock.

## Manual Tuning

If you want to manually tune to the desired frequency, press and hold the **OK** button on the remote control or press and hold the controller when the FM radio playback screen appears, until **Tuning** appears in the lower-right corner of the display.

Use the controller (or the / buttons on the remote control) to tune to the desired frequency. After finishing, press and hold the controller (or press and hold the **OK** button on the remote control) to exit manual tuning mode.



Tuning

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# Bluetooth

Before transferring data between your Bluetooth device and this radio, both devices must be paired. This process is called “pairing.”

The radio acts as a receiver to receive the audio data stream for playback on the radio. If the radio has already been connected to the Bluetooth device being used, the connection will be automatically restored when both devices are within range and the Bluetooth mode is selected on the radio. Pairing does not need to be repeated, although you may need to activate this function on your Bluetooth device.

**1** Turn on the Bluetooth interface on your Bluetooth device (phone, tablet, etc.). Refer to the manual for your device for details.

**2** Press  to display the home screen (Main Menu). In the Menu, rotate the controller or use the /  buttons on the remote control to select **Bluetooth**, then press the controller or **OK** on the remote control.

The radio will switch to Bluetooth mode and will be ready for pairing.

**3** On your Bluetooth device (phone, etc.), search for available Bluetooth devices. Refer to the manual for your device for details.

When the radio “RR-30i-XXXX” (XXXX is the unique receiver number) appears on your Bluetooth device’s display, select it and wait until your Bluetooth device confirms the pairing with the radio. A confirmation sound will be heard on the radio. The devices are now paired.

**4** After pairing, you can start playback on your Bluetooth device and adjust the volume on the device.

For playback control details, refer to your device’s manual. The sound from the paired device will be played through the radio.

## Playback Operations

### Play

Press  to start playback.

Pause: While playing, press the  button. Playback will pause.

Press the  button again to resume playback.

**Rewind:** Use  on the remote control.

Skip to the beginning of the current track or the previous track (short press/rotate).

**Fast Forward:** Use  on the remote control.

Skip to the next track (short press/rotate).

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

**5** Rotate the controller on the radio or press the buttons **5 +** and **-** on the remote control to adjust the volume. Press  on the remote control to mute and unmute the sound.

**6** After playback is finished, turn off the Bluetooth source on the radio, stop playback on your Bluetooth device, and turn off the Bluetooth interface on the device.

## **Note**

Once the devices are paired, it is not necessary to pair them again. The devices will automatically reconnect the next time the Bluetooth audio source is turned on and the Bluetooth interface on your Bluetooth device is activated.

## **Warning!**

When using Bluetooth for playback, sound dropouts may occur.

These dropouts are caused by interference, distance, obstacles, and similar factors.

This is not a device malfunction.

## **Additional Information**

### **Wireless Bluetooth Technology**

Wireless Bluetooth technology is a short-range communication technology that allows wireless data transfer between digital devices such as PCs and digital cameras. Bluetooth technology operates within a range of approximately 10 meters.

The connection between two devices is mutual, though some devices can be connected to multiple devices at once.

No cables are needed for pairing, and devices do not need to be positioned directly opposite each other, unlike infrared technology. You can use the devices even when they are in a bag or pocket.

The Bluetooth standard is an international standard supported and used by many companies worldwide.

### **Maximum Communication Range**

The maximum communication range may be shorter under the following conditions:

There are obstacles such as people, metal, or walls between the system and the Bluetooth device.

A LAN device is being used near this system.

A microwave oven is being used near this system.

An electromagnetic radiation-generating device is being used near this system.

### **Interference from Other Devices**

Bluetooth and wireless LAN (IEEE802.11b/g) devices use the same frequency, so if this system is used near a wireless LAN device, microwave interference may occur, causing a reduction in communication speed, noise, or poor connection. In this case, do the following:

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

If this system is used within 10 meters of a wireless LAN device, turn off the wireless LAN device.

### **Interference to Other Devices**

The microwaves emitted by Bluetooth devices may affect the operation of electronic medical equipment. Therefore, turn off the system and Bluetooth device in the following locations, as there may be a risk of danger:

Near flammable gases, hospitals, trains, airplanes, or gas 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, devices may function differently depending on their specifications.
- Due to the nature of wireless Bluetooth technology, the sound reproduced by this system may be slightly delayed compared to the sound from the Bluetooth device during a phone call or while listening to music.
- This system supports security standards that are compliant with Bluetooth standards to ensure a secure connection when using wireless Bluetooth technology. However, depending on settings, security may not be sufficient. Be cautious when communicating via wireless Bluetooth technology.
- We are not responsible for information leakage during Bluetooth communication.
- To ensure compliance with Bluetooth standards specified by Bluetooth SIG and for authentication, a Bluetooth-enabled device is required. Even if the connected device complies with the Bluetooth standards, some devices may not be able to connect or may not work correctly depending on their features or technical specifications.
- Depending on the Bluetooth device connected to this system, communication environment, or operating conditions, noise or sound dropouts may occur.

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## USB (Playback from USB Device)

### Playback of MP3/WAV files

The device allows playback of MP3/WAV formats with audio quality comparable to CD. Files can be played from a USB device.

- 1 Connect a USB device to the USB port. The media must contain audio files.
- 2 Press to display  the home screen (Main Menu). In the Menu, rotate the dial or use the /  buttons on the remote control to select USB, then press the dial or OK on the remote control.  
The radio will switch to USB mode and will be ready for playback.
- 3 After loading the content from the USB device, playback will automatically start from the first track.

### Note

Tracks are played in the order they were saved on the memory medium. The device does not allow folder selection. Supports FAT32 format, up to 32 GB.

# Alarm Setting

## Important!

When the alarm is set, it is recommended to power the radio using the AC adapter to avoid the situation where the battery is depleted and the device does not turn on when the alarm goes off.

The radio must have the correct current time set. The time is set automatically according to the selected configuration, either from an FM station, the internet, or a DAB station.

1 Press the button  on the radio or press the button  on the remote control.

2 Choose Alarm 1 (Wake 1) or Alarm 2 (Wake 2), and then select Turn on to activate the alarm function.

3 Follow the instructions of the alarm setup guide to set the alarm.

4 The guide will walk you through the following settings:

**Time** – Set the alarm time.

**Sound** – You can select the alarm source: **Wake to Tone, My Favorite, Wake to FM Radio, or Wake to DAB Radio.**

### Note

For Wake to FM Radio or Wake to DAB Radio alarms, only saved presets can be used (if presets have been saved). For Wake to My Favorite, you must save the desired preset in the favorites list before setting it as the alarm source.

**Repeat** – Set the alarm schedule as desired (every day, once, or on multiple days).

**Alarm Volume** – Use the dial or the volume buttons ▲/▼ on the remote control to set the desired alarm volume.

**Alarm Duration** – Set the alarm duration from preset options, ranging from 30 to 180 minutes. After the selected time, the radio will switch to standby mode.

5 After completing the above settings, press the button ◀ to exit and ensure that the alarm is activated. If activated, the alarm icon will appear on the display.

## Turning off the Alarm/Snooze Activation

When the alarm goes off, press the button  to turn off the alarm, or press the dial to activate the snooze function.

When the snooze function is activated, the alarm will mute for 9 minutes and will sound again after 9 minutes. This process can be repeated multiple times.

To turn off the snooze function, press the button .

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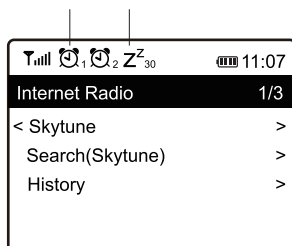
# Setting the Sleep Timer

In any mode with the device turned on, you can set a sleep timer to automatically turn the radio off after a selected time, ranging from 15 to 180 minutes.

Press the button **zzz** on the remote control to activate the sleep timer, or go to the Sleep Timer option in the main menu.

If the sleep timer is set, an icon will appear on the display to indicate it.

## Alarm clock Sleep timer



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# Configuration

In the **Configuration** section, you will find all the settings and options available to configure the radio. From the main menu, go to **Configuration**, then press **OK** or the dial. A list of available options will be displayed.

## Network (Siet)

### Network Options (Nastavenia siete)

**Always on (Vždy zapnuté):** The WLAN feature stays on (faster access when switching from other radio modes).

**Auto off in 30s:** WLAN will turn off after 30 seconds when not in use (for energy saving).

## Wi-Fi Network

### • Add / Remove AP

**Add AP:** Scan for nearby routers.

**Add AP (WPS Button):** Select this option to connect to a Wi-Fi router via WPS if the router has a WPS button.

**Remove AP (Odstránil AP)** – If you have already added a router and wish to remove it, select this option.

#### **Note**

When setting up, always place the radio within 2 meters of the Wi-Fi router.

- **AP: [ ]**

If you have added more than one router to the radio and wish to switch to a different one, select this option to change.

- **Signal**

Displays the quality of the Wi-Fi signal from the router as received by the radio. Typically, signal levels lower than -70 dBm (weaker signal) may affect radio reception, in which case you may need to optimize the router's placement or check for any issues with the router itself.

- **IP**

The default IP address is set to dynamic. Select this if you wish to change it to a static IP address based on your network settings.

- **DNS**

The DNS is set by default to a dynamic server. Select this if you wish to change it to a fixed (static) DNS server based on your network settings.

### **Date and Time Settings**

After completing the internet connection setup, the radio will automatically set the local time. To set it manually, change the settings using the following options:

- **Time zone**

**Auto-set Time Zone:** This option is set by default.

**Manual-set Time Zone:** Select this option if you wish to set the time for a different region. Highlight the preferred region/city and confirm your selection by pressing OK. In conjunction with NTP (Network Time Protocol) and DST (Daylight Saving Time), the time will automatically adjust if you decide to use network time (NTP).

- **Set Time Format**

Select either 12-hour or 24-hour time format.

- **Set Date Format**

Select the desired date format.

- **DST (Daylight Saving Time)**

Enable or disable the use of Daylight Saving Time.

- **NTP (Use Network Time)**

NTP is designed to synchronize the radio's clock with a time server. The radio will by default synchronize the time with a time server whenever it is turned on and connected to the internet, ensuring high accuracy of the radio's clock. You can change the time server by entering the URL (see NTP server below). If you don't want to use network time, you can choose **Do not use network time**.

If you choose not to use NTP to synchronize the clock, highlight NTP (Network Time Protocol) and press **OK** to make the change. The **Set Date & Time** option will appear in the menu, allowing you to manually adjust the date and time as needed.

- **NTP Server**

This is the server used to synchronize the radio's clock with a time server. The current server used by the radio will be displayed here.

- **Set time from DAB**

When the DAB mode is selected, the time will be synchronized with the time of a DAB station.

- **Set Time from FM**

When the FM mode is selected, the time will be synchronized with the time of an FM station.

## **Language**

The default language is English, but you can choose other languages. Using the ▲/▼ buttons on the remote control or the dial on the radio, navigate to the language icon and press **OK**. Scroll to highlight and press **OK** to confirm your selected language. Several languages are available.

## **DAB Set up**

- **DAB full scan**

By selecting this option, you can always perform a new scan for DAB stations. All current presets and stations will be cleared.

- **DAB Manual Tune**

Allows you to view the number of stations and the signal received on each DAB frequency, and manually search for stations.

- **DAB Station List**

The tuned DAB stations will be listed here, and you can manage them. You can move a station's position or delete any station. Navigate to the desired station and press the ► button. A context menu will appear with the options: **Move up, Move down, Delete**. Highlight the desired preset, then press the ► button to display the Edit Menu. Press the ◀ button to return to the preset list.

## **FM Set up**

- **FM Area**

Allows you to set the FM area, adjusting the range of the search. Options include: Europe (87.5-108 MHz), America (87.5-108 MHz), Asia (87.5-108 MHz), Japan (76-90 MHz), Eastern Europe (76-108 MHz)

- **Scan Setting**

For tuning, you can select either "All stations" or "Strong stations" (only with a good signal).

- **Audio Setting**

For reception, you can choose "Auto Stereo" or "Forced Mono".

The radio will play monophonic sound through one speaker. Stereo sound is available via the headphone jack.

- **FM Full Scan**

By selecting this option, you can always perform a new scan for FM channels. All current presets and stations will be cleared. The station with the lowest frequency of tuned frequencies will be highlighted. The preset list will be saved and remain in memory until a new scan is performed.

- **FM Station List**

The tuned FM stations will be listed here, and you can manage them. You can move a station's position or delete any station. Navigate to the desired station and press the ► button. A context menu will appear with the options: **Move up, Move down, Delete**. To edit a preset, highlight the desired station and press ► to bring up the Edit menu. Press ◀ again to return to the preset list.

## Local Radio

The radio is set by default to automatically detect radio stations in your area through an internet connection, and these stations can be accessed by pressing the **LOCAL** button on the remote control.

## Playback Setup

Used to set the playback mode when streaming compatible UPnP/DLNA media. You can set **Repeat All (Repeat all tracks)**, **Repeat Once**, **Shuffle**.

## Resume Play Power On

This option determines whether the device should return to the last used operating mode or display the home screen upon powering on.

## Dimmer

You can adjust the brightness of the display backlight. There are two settings available: **Mode and Level**.

- **Mode – Normal or Power Saving (Regulated)**

**Normal:** The display will remain at the same brightness level without dimming.

**Dim:** The display dims after 20 seconds if no operation is performed on the radio.

- **Level – Bright and Dim**

**Bright:** Sets the brightness level for normal mode.

**Dim:** Sets the brightness level for the dimmed display mode.

- **Dimmer in Standby**

The display brightness in standby mode is set to the lowest level, or you can choose to turn off the backlight completely by rotating the dial or using the ▲/▼ buttons on the remote control. To increase the brightness to show the time, turn the dial clockwise. The backlight will dim again after 20 seconds.

## EQ (Equalizer)

Different equalizer curves can be set to adjust the sound to fit a specific music genre.

## Buffer Time

Sometimes, you may experience unstable playback of internet radio. This can happen if the internet connection is slow or the network is overloaded. To improve the situation, you can select a longer buffer time, which stores a few seconds of the radio broadcast in memory before starting playback.

The default value is 2 seconds.

If you want a longer buffer time, you can choose 5 seconds.

## Timer

Allows you to set the volume and duration of the alarm timer.

## Information

Displays network and system information about your radio.

To quickly access this information, press the INFO button on the remote control. If you are using a computer to manage your favorite stations, you must use the IP address, which can be viewed on your PC. Enter the IP address into the address bar of your computer's browser window ( **Configuration > Information > Network Information > IP** ).

## Software Update

Occasionally, software updates may be released to enhance the radio's features.

Regularly check for available updates to ensure your radio is always running the latest software.

## Reset to Default

You can perform a reset to erase all settings and restore the default settings.

### Warning!

All station presets, settings, and configurations will be erased after performing the reset.

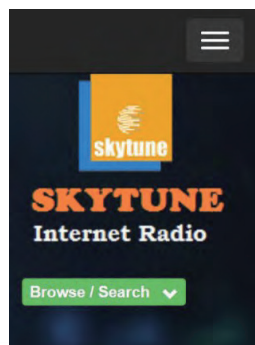
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## Remote Control via PC/Smartphone – Tuning Internet Radio and Managing Favorite Stations

Try the easy method of controlling internet radio station tuning and managing the list of favorite stations via a web browser on your computer or smartphone.

Supported browsers include Internet Explorer and Chrome.

- Connect your computer or smartphone to the same Wi-Fi network as the radio.
- Visit the website **www.skytune.net**.
- On the homepage, click on **Browse/Search**.
- Search for or enter the name of the desired radio station.  
A list of internet radio stations will appear.
- Click on the icon  to play the station .



–A prompt will appear asking if you want to perform “**Add Favourite**” or “**Listen to Station.**” Enter the IP address of your radio (e.g., 192.168.1.11):

Which operation do you want to apply to the station ?

1.fm Dance One

☒ Add station to my radio device favourite

☐ Listen to station on my radio device

Please enter your radio device's IP below.

192 . 168 . 1 . 11

Send Close

The IP address can be found on the radio as follows:

- \* On the remote control, press the **INFO** button, select **Network**, and go to **IP** to display the IP address.
- \* On the radio, go to the home screen (main menu), then select **Configuration > Information > Network Information > IP**.
  - Choose “**Listen to Station**” then click on “**Send**”. The radio will switch to playing the station, and the “My Favorite” page will appear in the web browser.

After that, you can choose to add the playing station to your favorites or manage your list with other editing options. Any changes will be immediately synchronized with the radio.

# MY FAVOURITE

Channel Group : E00T

|     | Channel Name             | URL                                          |      |        |     |    |      |        |  |
|-----|--------------------------|----------------------------------------------|------|--------|-----|----|------|--------|--|
| 1.  | DJ AAM Radio FM          | *****                                        | Edit | Delete | Top | Up | Down | Bottom |  |
| 2.  | Country Radio Switzerlar | *****                                        | Edit | Delete | Top | Up | Down | Bottom |  |
| 3.  | Bigbeat                  | *****                                        | Edit | Delete | Top | Up | Down | Bottom |  |
| 4.  | 24Radio Switzerland      | *****                                        | Edit | Delete | Top | Up | Down | Bottom |  |
| 5.  | AFN American Freedom     | *****                                        | Edit | Delete | Top | Up | Down | Bottom |  |
| 6.  | Energy Berlin            | http://energyradio.de/bremen                 | Edit | Delete | Top | Up | Down | Bottom |  |
| 7.  | MP3 Pro                  | http://www.katrafm.com/katrafm_mp3pro.m3     | Edit | Delete | Top | Up | Down | Bottom |  |
| 8.  | 2                        | http://www.ultranet.biz/vegasandanski.m3u    | Edit | Delete | Top | Up | Down | Bottom |  |
| 9.  | stream 2                 | http://lindowsradio.com:8600/listen.pls      | Edit | Delete | Top | Up | Down | Bottom |  |
| 10. | aac 128                  | http://eastlondonradio.com:8100/high.aac     | Edit | Delete | Top | Up | Down | Bottom |  |
| 11. | Seoul Shoutcast          | http://yp.shoutcast.com/sbin/tunein-station. | Edit | Delete | Top | Up | Down | Bottom |  |

Add Channel

| Channel Name         | URL                  |        |       |
|----------------------|----------------------|--------|-------|
| <input type="text"/> | <input type="text"/> | Submit | Reset |

You can also add a station if you know the URL of the published audio stream in the following streaming format:

- 1 Transport: HTTP progressive, e.g., HLS and HTTP, such as Shoutcast or Icecast
- 2 Audio: MP3, AAC, AAC+
- 3 Playlist: M3U, PLS

## Connecting Headphones

You can connect headphones (not included) to the 3.5 mm headphone jack (**16**) on the rear panel.

This will allow you to play sound through the headphones.

When the headphones are connected, the speaker will automatically turn off.

## Maintenance

Use a soft cloth slightly dampened with a mild cleaning solution to clean the surface, panel, and controls.

Do not use abrasive cloths, cleaning powders, or solvents such as thinner, petrol, or alcohol.

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# Troubleshooting

If a problem occurs during the operation of the radio, try resolving it using the overview below before requesting repair. If any issue persists, contact the nearest dealer.

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## Power

### **The device does not turn on.**

- ➔ Check if the AC adapter is properly connected to the power socket and its connector is attached to the device. Ensure the built-in battery is sufficiently charged.
- 

## Network

### **Cannot connect to the Wi-Fi network**

#### ***The network is turned off***

- ➔ Ensure that a computer connected via Wi-Fi or wired Ethernet has internet access (i.e., web browsing is possible) using the same network.
- ➔ Check if a DHCP server is available or if a static IP address has been configured on the radio.
- ➔ Verify that the firewall is not blocking any outgoing ports. The radio requires access to at least UDP and TCP ports 80, 443, and 8008, as well as DNS port 53.

#### **The router restricts access to specified MAC addresses**

- ➔ Obtain the MAC address from Configuration > Information > Network Information > Wi-Fi MAC and add it to the list of allowed devices on your access point.

**Note:** The radio has separate MAC addresses for wired and wireless networks.

#### **Poor Wi-Fi signal quality**

- ➔ Check the distance to the router; ensure a computer can connect to the network in this location.
- ➔ Optimize the placement of the router.

#### **Unknown encryption method**

- ➔ Change the encryption method on the router. The radio supports WEP, WPA, and WPA2.

#### **Firewall blocking access**

- ➔ Windows Media Player: Various causes – Firewalls from companies other than Microsoft may require UPnP configuration.

### **The radio can connect to the network but cannot play specific stations**

- ➔ The station may not be broadcasting at this time; it could be in a different time zone.
- ➔ The station's server may be overwhelmed with too many users trying to connect, and its capacity is insufficient.
- ➔ The station has reached the maximum allowed number of simultaneous listeners.
- ➔ The link in the radio is no longer valid. Link updates are performed regularly. To obtain an updated list of stations, go to **Internet Radio > Skytune**. If a specific stream still does not work, contact the dealer or Skytune to report the issue.

### **No DAB/FM Radio Reception**

- ➔ Perform a **“Reset to default”** on the radio and extend the antenna.
- ➔ Move the radio closer to a window.
- ➔ Ensure that DAB radio is available in your area.

### **Weak DAB/FM Radio Reception**

- ➔ Check that the antenna is fully extended for maximum signal reception, and adjust its direction to improve reception.
- ➔ Ensure there are no other electrical devices near the radio that could cause interference.

### **No Sound**

- ➔ Check if the sound is muted by a button press  .
- ➔ The system is in playback pause mode.  
Press the button  to resume standard playback.
- ➔ The volume is set to the minimum. Turn the volume knob on the device or press the  + and  - buttons on the remote control to increase the volume.
- ➔ If this happens with a specific internet radio station, try other channels to see if the issue is isolated to that station.

### **Radio Frozen or Unresponsive**

- ➔ Insert a small paperclip or a suitable pointed object into the reset button hole and hold the button until the radio turns off. Then try turning the radio back on and using it again.

### **FM Radio**

#### **Cannot tune to stations**

- ➔ Check if the antenna is correctly positioned. Extend the FM wire antenna.

### **Bluetooth**

#### **Bluetooth connection issues**

##### **Bluetooth signal is interrupted:**

- ➔ The effective range between this system and the device is up to 10 m. The signal will be disrupted if the distance exceeds 10 m.
- ➔ The Bluetooth device detects multiple other Bluetooth devices during a search: Wait for the search to complete and select “RR-30i-XXXX” (XXXX is the unique receiver number) to pair. When using a phone, avoid holding the mobile device too close to the speaker to prevent echo (feedback).

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# Useful Tips

## **1. If the internet radio continuously buffers the radio station:**

Internet radio streams data from the radio station over your broadband connection. If there is a high error rate or interruptions in your broadband connection, it will cause the internet radio playback to pause until the connection is restored and sufficient data is received to resume playback. If your internet radio frequently stops playing, check your DSL modem to ensure that the broadband line does not have a high error rate or outages. If these issues persist, contact your broadband service provider.

## **2. What is buffering?**

Internet radio/media players download a small amount of streamed data before starting playback. This is used to fill in any gaps in the stream that may occur if the internet or wireless network is busy. Internet radio streams audio data from the computer while you listen. If the stream is blocked or the internet is congested, playback may stop, or the quality may be disrupted. If this happens, check your internet connection speed—it must be higher than the streaming data rate.

## **3. The radio works, but some stations cannot be played.**

This issue may be caused by one or more of the following reasons:

- a.** The radio station is no longer broadcasting.
- b.** The radio station has reached its maximum number of simultaneous listeners.
- c.** The radio station has changed its stream, and the link is no longer valid.
- d.** The radio station is not broadcasting at the current time (not all stations broadcast 24 hours a day).
- e.** The internet connection between the radio and the station's server is too slow or unstable to support the broadcast stream rate.

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# Technical Specifications

## ***Network***

|                    |                 |
|--------------------|-----------------|
| Wireless Network   | IEEE802.11b/g/n |
| Wireless Frequency | 2412 – 2472 MHz |
| Security Protocol  | WEP/WPA/WPA2    |

## ***Bluetooth***

|                     |                            |
|---------------------|----------------------------|
| Bluetooth Version   | Ver. 4.2 BR/EDR-compatible |
| Bluetooth Frequency | 2,4 GHz (2402 - 2480 MHz)  |
| Bluetooth Range     | 10 m, (without obstacles)  |

## ***DAB***

|                     |                                          |
|---------------------|------------------------------------------|
| DAB Frequency Range | 174,928 MHz (5A) – 239,200 MHz (13F)     |
| Anténa:             | Support DAB a DAB+<br>Telescopic antenna |

## ***USB***

|                        |       |
|------------------------|-------|
| Supported USB Capacity | 32 GB |
| Supported USB Format   | FAT32 |

## ***FM radio***

|              |                      |
|--------------|----------------------|
| Tuning Range | FM: 87,5 - 108,0 MHz |
| Antenna      | Telescopic antenna   |

## ***Amplifier***

|              |                        |
|--------------|------------------------|
| Channels     | 1 sound channel (mono) |
| Output Power | 1 x 3,8 W              |

## ***General***

|                    |                                                                                                          |
|--------------------|----------------------------------------------------------------------------------------------------------|
| Connectors         | 3.5 mm mini jack (headphone output)<br>USB-C power connector (DC IN), USB connector<br>(for USB devices) |
| Power Supply:      | AC adapter, AC 230 V, 50 Hz, 0.3 A max.                                                                  |
| Device:            | DC 5 V, 1.5 A from a suitable (not included)<br>AC adapter                                               |
| Built-in Battery:  | Lithium battery 2000 mAh                                                                                 |
| Power Consumption: | 7.5 W                                                                                                    |
| Dimensions:        | 20.5 x 15 x 13.5 cm (W x H x D)                                                                          |
| Weight (approx.):  | 1.3 kg                                                                                                   |

The right to make changes is reserved!

### LAN Transmitter Features

| Frequency Ranges               | Maximum Output Power |
|--------------------------------|----------------------|
| 2400 - 2483,5 MHz (CH1 - CH13) | < 100 mW             |

### Country-Specific Restrictions

The wireless LAN device is intended for home and office use in all EU countries, the United Kingdom, and Northern Ireland (and other countries using the relevant EU and/or UK regulations). The 5.15 - 5.35 GHz band is restricted to indoor operation only in EU countries, the United Kingdom, and Northern Ireland (and other countries using the relevant EU and/or UK regulations). Public usage is subject to the general authorization of the relevant service provider.

| Country            | Restriction         |
|--------------------|---------------------|
| Russian Federation | For indoor use only |

Requirements for any country may change at any time. It is recommended that users check with local authorities for the current status of national regulations for 2.4 GHz and 5 GHz wireless LAN networks.

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## **INSTRUCTIONS AND INFORMATION REGARDING THE DISPOSAL OF USED PACKAGING**

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

### **DISPOSAL OF USED ELECTRICAL AND ELECTRONIC EQUIPMENT**



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

### **For business entities in the countries of the European Union**

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

### **Disposal in other countries outside the European Union**

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



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

### **DECLARATION OF CONFORMITY**

Short text Declaration of Conformity:

ORAVA retail 1, a.s. hereby declares that the RR-30i 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)