



OMNIS-100

Multi Media Player

User Manual



Please read this manual carefully and keep it for future reference



Dear value Customer,

First, thank you for purchasing a HELVIA® product. Our mission is to offer solutions based on the most up-to-date technologies for all systems integration needs in the private, commercial and corporate sectors.

We hope you are satisfied with this product and, if you wish to participate, we would be very pleased to receive your feedback on the operation of this product and possible improvements for the future. You can go to "CONTACT" section of www.frenexport.com and send an e-mail with your opinion; this would help us make equipment that are closer to the real needs of our customers.

Finally, please read this user manual carefully before using the product; incorrect use could cause damages to you and the product. Take care!

The HELVIA team

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1. PRECAUTIONS

1.1. Important Safety Symbols



 The above warning is located on the rear of the unit



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

1.2. Important Safety Instructions

- Read these instructions
- Keep these instructions
- Heed all warning
- Follow all instructions

Water and Moisture

The apparatus should be protected from moisture and rain and can not be used near water; for example near a bathtub, a kitchen sink, a swimming pool, etc.

Heat

The apparatus should be located away from heat sources such as radiators, stoves or other appliances that produce heat.

Ventilation

Do not block areas of ventilation opening. Failure to do could result in fire. Always install according to the manufacturer's instructions.

Object and Liquid Entry

Objects do not fall into and liquids are not spilled into the inside of the apparatus for safety.

Power Cord and Plug

In case of external power cord, protect it from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two poles; a grounding-type plug has two poles and a third grounding terminal. The third prong is provided for your safety. If the provided plug does not fit into your outlet, refer to an electrician for replacement.

Power Supply

In case of products with external power adapter, the unit should be connected to power adapters only of the type as marked on the apparatus or described in the manual. Failure to do could result in damage to the product and possibly the user. Unplug this apparatus during lightning storms or when unused for long periods.

Noise and Interferences

Do not use the device in the nearby of a TV, radio, stereo equipment, mobile phone, or other electric devices. Otherwise, the device, TV, or radio may generate noise.

Electrical Connection

Improper electrical wiring may invalidate the product warranty.

Cleaning

Clean only with a dry cloth. Do not use any solvents such as benzene or alcohol.

Servicing

Do not implement any servicing other than those means described in the manual. Refer all servicing to qualified service personnel only. Only use accessories/attachments or parts recommended by the manufacturer.

2. UNPACKING

Thank you for purchasing your OMNI-100 Multi Media Player. All units have been rigorously tested before leaving the factory, This product is widely used in schools, shops, bars, pubs, parks, parking lots, railway stations, airports, villas, and other places: it is the ideal choice for public broadcasting. In order to facilitate your installation, commissioning and use of this product, please read this manual before installation.

Carefully unpack the carton and check the contents to ensure that all parts are present and in good conditions:

- 1 x OMNIS-100 Multi Media Player
- 1 x Remote Control
- 1 x Power adaptor
- 1 x Stereo RCA cable
- 1 x FM/DAB+ antenna
- 1 x BT/WiFi Antenna
- 2 x Metal Fin with 6 screws to mount OMNI-100 on a 19" rack
- This User manual

If anything damaged during transport, notify the shipper immediately and keep packing material for inspection. Again, please save its carton and all packing materials. If the unit must be returned to the manufacturer, it is important that the unit is returned in the original manufacturer's packing. Please do not take any action without first contacting us.

Our products are subject to a continuous process of further development. Therefore modifications to the technical features remain subject to change without further notice.

3. PRODUCT OVERVIEW

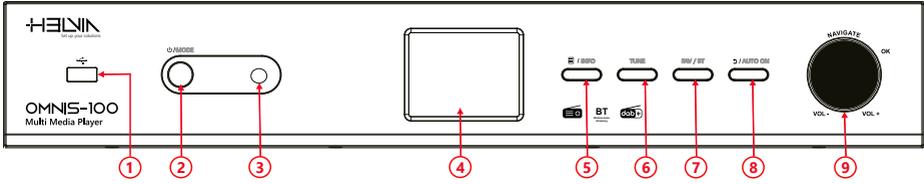
The HELVIA OMNIS-100 Multi Media Player is a device that encloses the concept of "All in One" concerning audio reproduction given the multiple connection possibilities and the functions with which it is equipped. OMNIS-100 can be connected directly to the Spotify streaming service and can also access countless Web Radio stations. The device also features the "BT Audio Streaming" function which allows wireless connection to smartphones, tablets or laptops and also a DAB/DAB+/FM tuner with RDS function for additional information on radio stations. The Wi-Fi antenna or LAN connection allows streaming audio playback in large environments and remote control via smartphone or tablet using the UNDOK Android/iOS App. Remote control for OMNIS-100 can also be done with the handy remote control supplied. The USB port located on the front panel allows audio playback of files in mp3 format through the use of external USB flash drives and

the analog and digital connections located on the rear panel such as for example the Coaxial, Optical and RCA stereo outputs allow connection with numerous external devices. The 2.4" TFT color display, the elegant cabinet with laser engraved screen printing and the 4 rubber feet make OMNIS-100 an important element for any Hi-Fi system while the supplied metal fins allow easy mounting on racks of 19" for professional installations in commercial activities such as Hotels, Resorts, Pubs Bars, Etc.. HELVIA OMNIS-100 really represents the "All in One" concept.

3.1. Features:

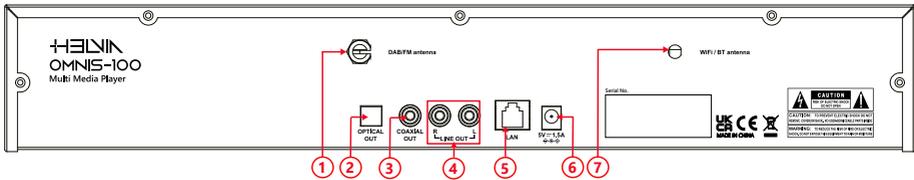
- Direct connection to Spotify streaming service
- Access to countless Web Radio stations
- "BT Audio Streaming" function for wireless connection to smartphone or laptop
- DAB/DAB+/FM tuning with RDS function for additional radio station information
- Wi-Fi antenna and LAN connection for audio streaming playback in large environments
- Remote control via Smartphone or Tablet using the UNDOK Android/iOS App
- Wireless control via supplied remote control
- USB port for audio playback of files in mp3 format using external USB flash drives
- Coaxial, Optical and stereo RCA outputs for connection to a variety of external devices
- 2.4" TFT color display
- Metal cabinet and laser engraved silkscreens
- Supplied metal fins for easy 19" rack mounting
- External power supply (AC 100-240V)

4. FRONT PANEL



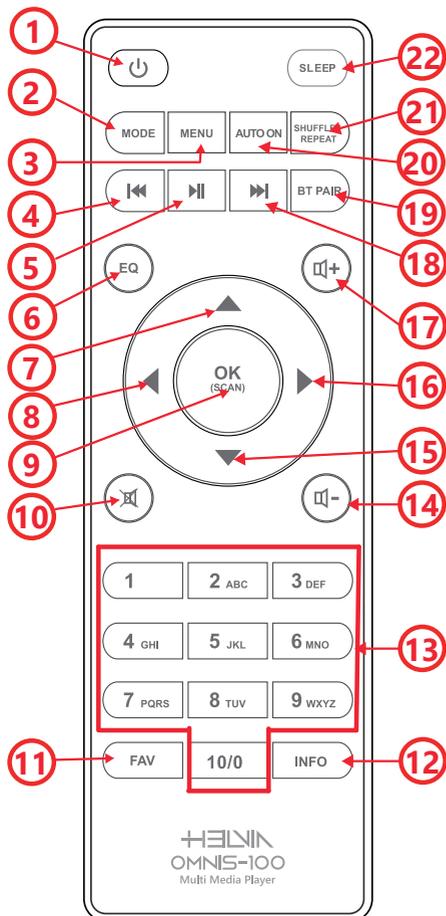
1. USB port for music playback
2. On/Standby / Mode button
3. Remote control IR receiver
4. 2.4" TFT color display
5. Menu/Info button
6. Tune button
7. FAV button / BT Pairing
8. Back/AUTO ON button
9. Knob Volume/Tuning ; Short press to OK/select

5. REAR PANEL



1. DAB+/FM Antenna
2. OPTICAL Out socket
3. COAXIAL Out socket
4. RCA LINE Out-R L sockets
5. Ethernet 10/100 LAN socket
6. DC In power supply
7. WiFi / BT Antenna

6. REMOTE CONTROL



1. Device power on/off
2. Open, close mode selection
3. Press to open, close Menu
4. Select track, hold down to seek
5. Start playback, pause
6. Select equalizer preset
7. Move up; FM: Set frequency
8. Move left, step back
9. Confirm entry; FM: Scan;
Playing: album in full screen
10. Mute, Unmute
11. Select favourite stations
12. Display FM mode info (Name, PTY, RT, frequency)
Display DAB mode info (Station, track, artist etc.)
13. Number buttons: retrieve saved favorite station, hold down to save station
14. Decrease Volume
15. Move down; FM: Set frequency
16. Move right, step next
17. Increase Volume
18. Select track, hold down to seek
19. AUTO ON setting
20. Press and hold to BT discoverable under BT mode
21. Music: random and repeat selection
22. Sleep setting

7. GETTING STARTED

7.1. Connection and Preparation

- 1) Connect the power adaptor to the back of device and plug it into power socket.
- 2) Switch on the device, it starts up.
- 3) Install the telescopic FM/DAB+ antenna for DAB and FM reception.
- 4) Install the rod WiFi antenna for WiFi reception.

7.2. Connecting to the Network

For wired Ethernet:

Use an Ethernet cable (RJ45 jack) to connect the LAN ports on OMNIS-100 and your network device. Check if the light indicators on the network device are in appropriate status.

For wireless WiFi:

This is a broadband connection in combination with a wireless access point, router or similar network device.

The network device needs to support WiFi (802.11 b/g/n) wireless connection. Make sure you have setup the wireless network and you have the WEP, WPA or WPA2 security password (**OMNIS-100**) to activate the connection. You may also use the WPS (WiFi Protected Setup) function for easy pairing between the network device and **OMNIS-100**. Check if the light indicators on the network device are in appropriate status.

7.3. Connecting Audio Outputs

Connecting the RCA line Out

Use a standard RCA audio cable to connect the line out (L/R) outputs located on the rear panel to an external device

Connecting the Coaxial Out

Use an audio Coaxial cable to connect OMNIS-100, for example, to a HiFi speaker system to improve audio performance.

Connecting the Optical Out

Use an optical audio cable to connect OMNIS-100 to external audio devices that have an optical audio input

8. GENERAL DEVICE FUNCTIONS

On the playing screen, rotate the volume knob or press **⏮+ / ⏭-** on the remote control to adjust the volume. Switch off the sound by pressing **🔇** on the remote control. Press **⏻ / MODE** on the device or **MODE** on the remote control to select modes. Press and hold **MENU/INFO** on the device or **MENU** on the remote control to open the menu. Press again to close the menu and return to playing screen.

On the menu, rotate the knob or, press **▲ / ▼** on the remote control to move along the entries.

Press **OK** to confirm; press **BACK (↩)** on the device or **◀** on the remote control to step back.

Press and hold **⏻ / MODE** on the device or press **⏻** on the remote control to switch to standby mode. The time, date and any active alarm times display on the screen. Switch on using the same button.

8.1. Presets

Presets are stored in the radio and cannot be accessed from other radios. To store an Internet radio preset, press and hold **FAV** on the device or **FAV** on the remote control the display shows the "Save preset" screen. Select one of the 10 presets to save the currently playing station. Shortcut to preset store 1-10 favourite stations by directly pressing and hold numeric buttons **1-10/0** directly on the remote control. To select a preset, press the button **FAV** on the device or the button **FAV** on the remote control, then select one of the listed preset stations. When a preset station is playing, it shows **★n (★1,★2, etc)** at the bottom of the screen. Shortcut to preset recall 1-10 favourite stations by directly pressing numbers **1-10/0** directly on the remote control.

8.2. Now playing information

During **Stream/DAB/FM** playback, the screen shows some information about the station, press the **MENU/INFO** button on the device or the **INFO** button on the remote control to view it. The device can process large amounts of data and it may happen that, after a long period of operation and regardless of the mode, the system may freeze or malfunction. In this case it is necessary to restart the device

9. FIRST-TIME SETUP

When powering the device on for the first time, it displays information of privacy policy. Press **OK to continue**. Then a setup wizard appears for helping you setup the main use of the device.

Select **"YES"** and confirm your selection and launch the setup wizard.

If you select **"NO"**, the next window will ask you choose if you want to start the setup wizard again next time you power the device on.

Setup wizard helps you setup the main use of the device.

Selecting the menu language

Rotate the knob to select the menu language you want from the list and press **OK** to confirm.

Setting date and time

Select **"12"** for 12-hour display format or **"24"** for 24-hour display format.

If you select the 12-hour format, the display shows "AM" in the morning or "PM" in the afternoon.

After this, the following options are available, to define if the time to be synchronized from radios:

- Update from DAB
- Update from FM
- **Update from Network**
- No update

If you choose "Update from Network" you must indicate your time zone in the next window. Next choose **"ON"** for **Summer time**, otherwise select **"OFF"**.

If you choose "No update", you will have to enter the date and time manually.

"AM"/ "PM" displays only if you have chosen the 12-hour time format.

Select "AM" for the morning hours or "PM" for the afternoon hours.

Setting Network

Firstly the device asks if keep **network connected**. If you want to control the device in all operating modes via the app, select **"YES"**. If choosing **"NO"**, it is not possible to control the device from the app in the (Standby, AUX IN, FM, DAB) operating modes. Note that the power consumption in standby mode will be higher when the network connection is kept up

Any **WLAN networks** found are listed on the display, along with their names. For **wired Ethernet**, select [**Wired**].

After selecting the **WLAN network**, you will be asked for input a standard encryption. To enter the network's key, use the knob or direction keys on the remote control to move the cursor through the characters and press **OK** to confirm.

As each character is selected, the key is built up near the top of the display. There are three options accessible by tuning the navigate knob back before the first characters: **Backspace**, **OK** and **Cancel**.

[WPS]

There are hints for the type of network if your network device supports WPS function. Please use one of the following methods of connection:

Push button: The device prompts you to press the connect button on the router. It then scans for a ready Push Button Connect network and connects.

Pin: The device generates an 8-digit code number which you enter into the wireless router or access point.

Skip WPS: Enter key as for a standard encrypted network.

For more information on setting up a WPS encrypted network, see your WPS router's instructions.

Device attempts to connect to the selected network.

It will show connected if the setup is successful. If connecting fails, it returns to a previous screen to try again. Once completed, press **OK** to quit the setup wizard.

10. MENU OPERATION



10.1. Internet Radio, Podcast

The device can play thousands of radio stations and podcasts from around the world through a broadband Internet connection. When you select **Internet radio** or **Podcasts mode**, the device directly contacts a dedicated portal to get a list of stations or podcasts. The list menu is provided from the portal, so it is only accessible when the device is connected to the Internet. The contents and submenus may change from time to time. Choose required category and search the station or podcast to listen.

10.2. Spotify Connect



Use your phone, tablet or computer as a remote control for Spotify. Go to spotify.com/connect to learn how.

The Spotify Software is subject to third party licenses found here:

<http://www.spotify.com/connect/third-party-licenses>

10.3. DAB+ Radio

DAB mode receives **DAB/DAB+ digital radio** and displays information about the station, stream and track playing.

Scanning for stations

The first time you select DAB radio mode, or if the station list is empty, the radio automatically performs a full scan to see what stations are available. You may also need to start a scan manually to update the list of stations.

To start a scan manually, choose **Full scan**. To scan only stations with good signal strength, select **Local scan**. Once the scan is complete, the radio shows a list of available stations.

To remove stations that are listed but not available, choose to remove the not valid stations. Turn the navigate knob to view a list of stations and press the knob to select the desired station. Once selected, the station plays and the screen show information about station, track or show as broadcast.

Settings

1) Dynamic range compression (DRC)

If you are listening to music with a high dynamic range in a noisy environment, you may wish to compress the audio dynamic range. This makes quiet sounds louder, and loud sounds quieter. You can change DRC as off, low or high.

2) Station order

You can choose the order of the DAB station list from "Alphanumeric", "Ensemble" or "Valid". Choosing the "Ensemble" option will list groups of stations that are broadcast together on the same ensemble. Choosing the "Valid" option will list the valid stations in alphanumeric order first, then the off-air stations.

10.4. FM Radio

FM radio mode receives analogue radio from the FM band and displays RDS (Radio Data System) information about the station and where broadcast. To find a station, press OK. The frequency display starts to run up as the device scans the FM band. Alternatively, you can scan up or down by holding and pressing ▲ / ▼ on the remote control tune manually with quick presses. For up and down adjusts, you can press ▲ / ▼ on the remote or by press on the front panel the **"TUNE"** button once and then turning the knob.

Settings

1) Scan Settings

By default, FM scans stop at any available station. This may result in a poor signal-to-noise ratio (hiss) from weak stations. To change the scan settings to stop only at stations with good signal strength, select **"YES"** after choosing the option **"Strong station only?"**.

2) Audio Settings

All stereo stations are reproduced in stereo. For weak stations, this may result in a poor signal-to-noise ratio (hiss). To play weak stations in mono, select **"FM weak reception"** option. After that select **"Listen in mono only"** and then **"YES"**.

10.5. BT Audio Streaming

If you select "BT Audio Streaming mode", you should turn on this function in OMNIS-100 device. Please access the menu and set "discoverable" the BT Audio Streaming mode. From your BT Audio Streaming device, search the OMNIS-100 device to pairing. When it is waiting for pairing, there is a blinking BT Audio Streaming icon at the bottom. If the pairing is successful, the BT Audio Streaming icon becomes steady. At this point, it is possible to control the music playback from your BT Audio Streaming device.

Press ◀◀ / ▶▶ on the remote control to go back the forward track or go to the next track. Press ▶▶ on the remote control to play or pause the track.

To disconnect from the radio, press and hold **"FAV/BT"** on the device or **"BT PAIR"** on the remote control.

10.6. USB

By selecting the USB option from the main menu, the tracks and/or folders contained in the USB device are displayed. You can browse tracks and/or folders with the navigation knob or direction keys on the remote control. You can set both random playback and loop repeat of songs. The display shows folder and file names. Once you find a song you want to play, press OK to play it.

Notice: USB port supports playing **MP3** files and USB external device size up to **128GByte**

10.7. Sleep

To set the sleep timer, select **Sleep** under Main menu or press **Sleep** button on the remote control to set the sleep period.

You can choose from Sleep **OFF, 15, 30, 45 or 60 minutes** and confirm. Once you select the sleep period, the system returns to the now playing screen.

10.8. Auto On

There are two versatile **"Auto-ON"** with snooze function. Each alarm can be set to start in a particular mode.

Select **"Alarms"** under Main menu to set or change an "Auto-ON".

Alternately, press AUTO ON button on the remote control to configure.

After setup all the parameters, select **"Save"** to activate.

The screen shows active "Auto-ON" with an icon at the bottom left.

At the set time, the "Auto-ON" will be activated.

To temporarily silence, press any key excepted pressing **⏻ / MODE** or **AUTO ON** buttons on the device or pressing **⏻** or **AUTO ON** buttons on the remote control.

It is possible to change the snooze period so that the device returns to standby for the set period, with the silenced "Auto-ON" icon flashing. Press **⏻ / MODE** or **AUTO ON** buttons on the device or press **⏻** or **AUTO ON** buttons on the remote control to turn off the "Auto-ON".

NOTE: OMNIS-100 must be connected to external speakers for audio output.

10.9. UNDOK App

The device gives a feature of network remote by smartphone or tablet in iOS or Android system. By downloading the assigned app named UNDOK, you can view all the modes the device. Search **UNDOK** from Google Play or Apple Store, and install it to your smartphone or tablet.



For Android system
(Google Play)



For iOS system
(Apple Store)

Before using the **UNDOK app**, make sure the device and the smartphone / tablet are in the same WiFi network.

After launching the app, it initializes and searches for Internet Radio on the network. Tap the device to connect. When prompted, enter your current PIN code. The default PIN is "1234". You can view and change the current PIN on the Internet radio in the Select the desired mode menu on the main page. You can then check the selected mode on your smartphone/tablet and on the device display simultaneously.

11. SYSTEM SETTINGS

11.1. Equaliser

Several preset EQ modes are available: Normal, Flat, Jazz, Rock, Movie, Classic, Pop, News and My EQ.

Press "EQ" button on the remote control to select the desired equalization.

A user-defined setting is available so that you can create your own EQ with custom bass, treble settings.

11.2. Streaming Audio Quality

Set the Streaming audio quality: Low quality, Normal quality, High quality

11.3. Network

In this paragraph there will be hints for the type of network.

If you connect the LAN cable, it will show a network of [wired];

if the network device supports WPS function, it will be [WPS] before the SSID (the name of the network device).

For the wireless connection, you will be asked for input encryption in the next step.

1) Network Wizard

Enter to search AP SSID, then input the WEP / WPA key or choose Push Button/ Pin/Skip WPS to connect to the wireless network.

2) PBC Wlan Setup

Push Button Configuration, it is to connect the AP that supports WPS (Wi-Fi Protected Setup).

3) View Settings

View the information of current connected network: Active connection, MAC address, Wlan region, DHCP, SSID, IP address, Subnet mask, Gateway address, Primary DNS and Secondary DNS.

4) Manual Settings

Enable or disable DHCP (Dynamic Host Configuration Protocol). Input the SSID, WEP / WPA key and/or other configuration.

5) NetRemote PIN Setup

Here you can view and edit the NetRemote PIN. The default NetRemote PIN is: "1234". The NetRemote PIN is required when you want to connect a smartphone or Tablet PC to your radio using the feature mentioned in the paragraph 9 (FIRST-TIME SETUP).

5) Network Profile

The device remembers the last four wireless networks it has connected to, and automatically tries to connect to whichever one of them it can find. From here you can see the list of registered networks. You can delete unwanted networks.

6) Clear Network Settings

Select "YES" to clear all the current network settings. Select "NO" to cancel.

7) Keep Network Connected

If you choose to keep network connected, the WiFi will not disconnect even you are in standby mode or non-network mode. This option allows the device to be ready for UNDOK and Spotify Connect connection in any modes.

11.4. Time/Date

Set the time manually or auto update, time format, time zone and daylight. Pin/Details can be referred to Setting date and time under Paragraph 9 (FIRST-TIME SETUP)

11.5. Language

The default language is English. Change it as your preference. Available languages: English, Czech, Danish, Dutch, Finnish, French, German, Italian, Norwegian, Polish, Portuguese, Slovak, Spanish, Swedish, Turkish.

11.6. Factory Reset

Resetting all user settings to default values, so that time and date, network configuration and presets are lost. However, current software version of the radio is maintained.

11.7. Software Update

1) Auto-check setting

This option automatically checks for new updates from time to time. Automatic updating is enabled by default.

2) Check now

Search for available updates immediately. You will be asked if you want to go ahead with download and installation of an update. After a software upgrade, all user settings are maintained.

WARNING: Before starting a software upgrade, ensure that the radio is plugged into a stable main power connection. Disconnecting power during an upgrade may permanently damage the unit..

11.8. Setup Wizard

With this function, you can start the setup wizard at any time. Any parameters or stations entered already are not deleted. For more information, please read the Paragraph 9 (FIRST-TIME SETUP).

11.9. Info

View the firmware version and the radio ID.

11.10. Privacy Policy

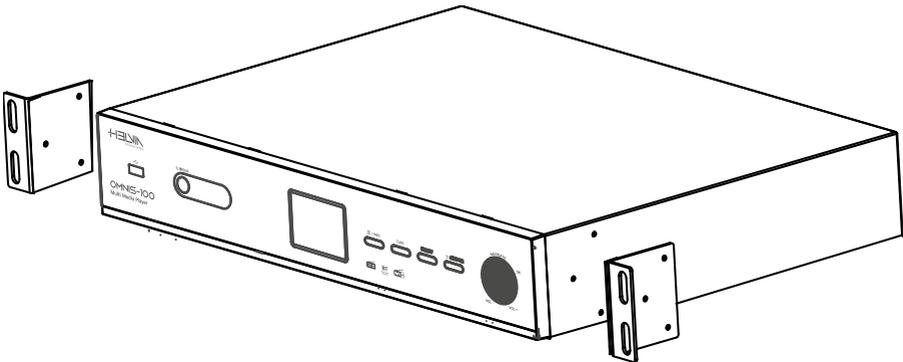
View the information of Privacy Policy.

11.11. Backlight

You may change the backlight of each environment (power on level or standby) to High, Medium, Low or Auto, and adjust the timeout duration which the radio turns to standby backlight level when it has not been controlled.

12. 19" RACK INSTALLATION

OMNIS-100 can be easily installed in a 19" Rack. For this purpose, 2 metal fins are supplied with the relative screws. OMNIS-100 is already set up for mounting the metal fins. It will therefore be necessary to use a cross-head/Phillips screwdriver to fix the metal fins on the side parts of OMNIS-100. Please see the drawing below



Once the metal fins are mounted, OMNIS-100 can easily be mounted in a 19" rack.

13. TROUBLESHOOTING

PROBLEM	POSSIBLE SOLUTION
The device does not switch on.	Check that the power supply is connected correctly.
No sound.	<ol style="list-style-type: none"> 1. Turn on the sound as it may be muted 2. Increase the volume. 3. Re-connect speaker from the connector jack.
No network connection can be established.	<ol style="list-style-type: none"> 1. Check the WLAN function. 2. Try to set an IP address at the device. 3. Activate the DHCP function on the router and make the connection again at the device. 4. A firewall is activated on the network. Set the respective program in such a way that access is possible. 5. Reboot the router.
WiFi connection cannot be established.	<ol style="list-style-type: none"> 1. Check the availability of WLAN network on the router. 2. Place the device closer to the router. 3. Make sure the password is correct.
No station is found.	<ol style="list-style-type: none"> 1. Check the network as well as the access point and firewall. 2. The station may not be available currently, try again later. 3. The link of the station is changed or the station no longer transmits. Please ask the provider for information. 4. The link of manual added station may not be correct. Please check and change it.
Hiss in FM mode	<ol style="list-style-type: none"> 1. Check/move the FM antenna. 2. Move the radio.
AUTO ON does not work.	<ol style="list-style-type: none"> 1. Switch on the AUTO ON function 2. Due to the volume setting, refer to the solutions of "No sound". 3. The source of alarm was set to be station but there is no network connection. Change the source of alarm or reconfigure the connection.
All other undetermined cases.	The smart radio may process large amount of data after a period of operation, no matter in which mode, it will cause the system freeze or malfunction. Reboot the device if necessary.
All other undetermined cases.	The normal function of the product may be disturbed by strong Electro-Magnetic Interference. If so, simply reset the product to resume normal operation by following the instruction manual. In case the function could not resume, please use the product in other location.
All other undetermined cases.	The device may malfunction when used in areas with strong radio interference. The device will work properly again once there is no more interference.

14. SPECIFICATION

Description	Tuner / Internet radio / network audio player/ Mp3 Player
Display	2.4", 320 x 240, TFT colour display
Audio Sources	Internet Radio, Podcasts, DAB/DAB+, FM, BT Audio Streaming, Spotify, USB mp3 Player
Network supported	WiFi IEEE 802.11b/g/n wireless; BT Audio Streaming (BT V4.2, Supports A2DP, AVRCP profiles)
Frequency band	WiFi : 2.400 - 2.4835 GHz; BT Audio Streaming: 2.4GHz - 2.48 GHz
Max. radio frequency power	WiFi: <20dBm; BT Audio Streaming: Max. 8dBm
Encrypted key	WEP, WPA, WPA2 (PSK), WPS
DAB / DAB+	Band III (174.928 – 239.200 MHz)
FM	87.5 – 108.0 MHz, support RDS
S/N Ratio	≥70dB
Input Sensitivity	800mV
Frequency Response	20Hz-20KHz(±3dB)
USB	Connector Type-A, Female FAT32 format – max 128 GByte Recognized file format: Mp3 Max 8 Subdirectory - Max 5000 file in each Directory
Remote Control Power Supply	2 x 1,5V AAA battery
Standby mode power consumption	<1,0W
Networked standby mode power consumption	<2,0W
Operating temperature	0° C - 35° C
Connections	USB port (for music playback) Optical out socket COAXIAL out socket RCA Line out socket Ethernet RJ45, 10/100 LAN socket DC IN power supply socket (5,5mm)
Digital Audio Sample Rate	48kHz
Power Supply Input voltage / AC frequency	AC 100-240V / 50/60 Hz
Power Supply Output Voltage/ Current / Power	DC 5,0V / 1,5A / 7,5W
Product Size (WxDxH)	430x303x68 mm
Product Weight	2,9Kg
Package Size (WxDxH)	477x428x115 mm
Package Weight	3,7Kg

Our products are subject to change. Modifications to technical features remain subject to change without notice

15. CONFORMITY

This device has been approved for compliance with the basic and other relevant requirements of the RE Directive 2014/53/EU, the ErP Directive 2009/125/EC and the RoHS Directive 2011/65/EU.



16. TRADEMARKS

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17. WARRANTY AND SERVICE

All HELVIA® products are covered by warranty according to European regulations (2 years in the case of purchase by private person - B2C; 1 year in the case of purchase by company - B2B). The warranty is valid from the date of purchase by the end user (private individual or company), indicated in the purchase document (receipt in the case of private person; invoice in the case of company). The following cases / components are not covered by the above warranty:

- All accessories supplied with the product;
- Improper use;
- Failure due to wear and tear;
- Any unauthorized modification of the product by the user or third parties.

HELVIA must meet the warranty obligations due to any non-compliant materials or manufacturing defects, by remedying free of charge at HELVIA's discretion by either repairing or replacing specific parts or the entire equipment. Any defective parts removed by a product in the event of a warranty claim become property of HELVIA.

During the warranty period, defective products can be returned to HELVIA retailer or installer with proof of original purchase (receipt or invoice). To avoid damage during transport, please use the original packaging, if available. For more information, visit the website: www.frenexport.com.

18. WARNING

READ CAREFULLY - only for EU and EEA (Norway, Iceland and Liechtenstein).



This symbol indicates that the product must not be disposed of with household waste, according to the WEEE directive (2202/96/EC and subsequent amendments) and national legislation.

The product must be delivered to a designated waste collection center (e.g. on an authorized one-for-one basis when you buy a new similar product, or to an authorized collection site for recycling waste electrical and electronic equipment).

Improper handling of this type of waste can have a negative impact on the environment and human health due to potentially dangerous substances that are generally associated with electrical and electronic equipment. At the same time, your cooperation in the proper disposal of this product will contribute to the effective use of natural resources.

For more information about where you can drop off your waste equipment for recycling, please contact your local city office, waste authority, approved WEEE scheme or your household waste disposal service.



www.helviasystems.com



This product is imported in the European Union by

FRENEXPORT SPA – Via Enzo Ferrari, 10 - 62017 Porto Recanati - Italy

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