



**DEUTSCH**  
**ENGLISH**  
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**NORSK**  
**DANSK**  
**SVENSKA**  
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**ČEŠTINA**

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**ENVIRONMENTAL PROTECTION**



Do not dispose of this product with the normal household waste at the end of its life cycle. Return it to a collection point for the recycling of electrical and electronic devices. This is indicated by the symbol on the product, user manual or packaging

The materials are reusable according to their markings. By reusing, recycling or other forms of utilization of old devices you make an important contribution to the protection of our environment.

Please contact your local authorities for details about collection points.

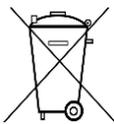
	<b>WARNING</b> Risk of electric shock Do not open!	
Caution: To reduce the risk of electric shock, do not remove the cover (or back). There are no user serviceable parts inside. Refer servicing to qualified service personnel.		



**This symbol indicates the presence of dangerous voltage inside the enclosure, sufficient enough to cause electric shock.**



This symbol indicates the presence of important operating and maintenance instructions for the device



Used batteries are hazardous waste and NOT to be disposed of with the household waste! As a consumer you are legally obligated to return all batteries for environmentally responsible recycling – no matter whether or not the batteries contain harmful substances\*)

Return batteries free of charge to public collection points in your community or shops selling batteries of the respective kind.

Only return fully discharged batteries

\*) marked Cd = cadmium, Hg = mercury, Pb = lead

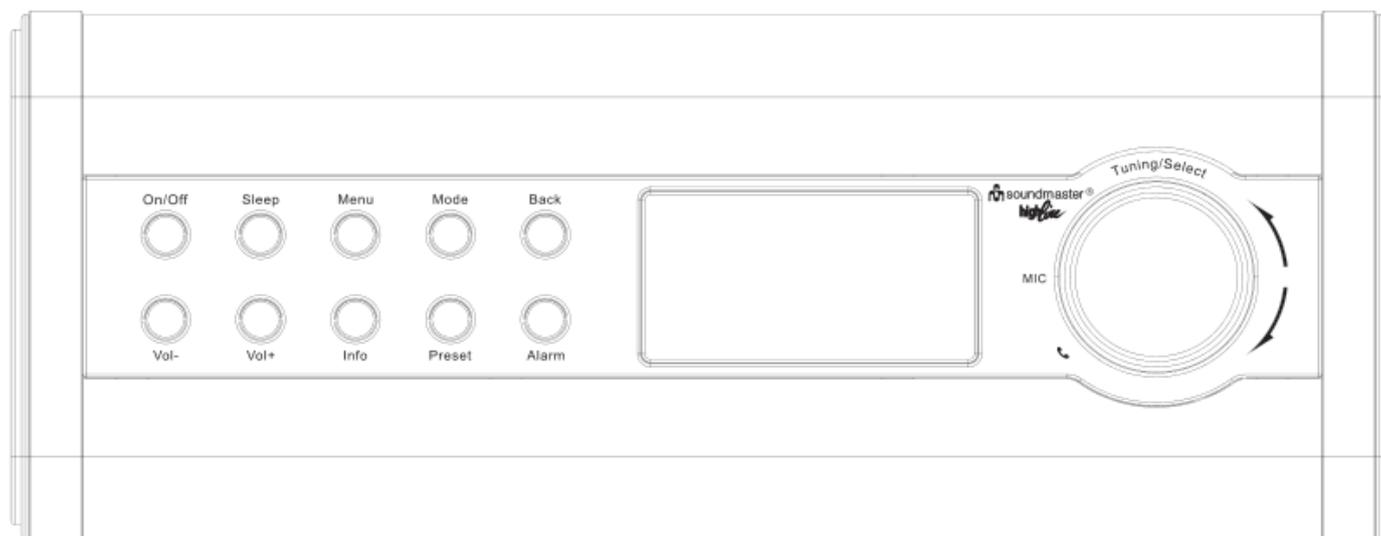
- Only use mercury and cadmium-free batteries.
- Used batteries are hazardous waste and NOT to be disposed of with the household waste!!!
- Keep batteries away from children. Children might swallow batteries.
- Contact a physician immediately if a battery was swallowed.
- Check your batteries regularly to avoid battery leakage.
- Batteries shall not be exposed to excessive heat such as sunshine, fire or the like.
- CAUTION: Danger of explosion if battery is incorrectly replaced
- Replace only with the same or equivalent type

	<b>WARNING</b>
<b>DO NOT INGEST BATTERY, CHEMICAL BURN HAZARD</b>	
This product contains a coin/button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.	
Keep new and used batteries away from children. If the battery compartment does not close securely, stop using the product and keep it away from children.	
If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.	

- Use the device in dry indoor environments only.
- Protect the device from humidity.
- This apparatus is for moderate climates areas use, not suitable for use in tropical climates countries.
- No objects filled with liquids, such as vases, shall be placed on the apparatus.
- The mains plug or an appliance coupler is used as the disconnect device, the disconnect devices shall remain readily operable.
- Connect this device to a properly installed and earthed wall outlet only. Make sure the mains voltage corresponds with the specifications on the rating plate.
- Make sure the mains cable stays dry during operation. Do not pinch or damage the mains cable in any way.
- A damaged mains cable or plug must immediately be replaced by an authorized service center.
- In case of lightning, immediately disconnect the device from the mains supply.
- Children should be supervised by parents when using the device.
- Clean the device with a dry cloth only.
- Do NOT use CLEANING AGENTS or ABRASIVE CLOTHS!
- Do not expose the device to direct sunlight or other heat sources.
- Install the device at a location with sufficient ventilation in order to prevent heat accumulation.
- Do not cover the ventilation openings!
- Install the device at a safe and vibration-free location.
- Install the device as far away as possible from computers and microwave units; otherwise radio reception may be disturbed.
- Do not open or repair the enclosure. It is not safe to do so and will void your warranty. Repairs only by authorized service/ customer center.
- No naked flame sources, such as lighted candles, should be placed on the unit.
- When you are necessary to ship the unit store it in its original package. Save the package for this purpose.
- In case of malfunction due to electrostatic discharge or fast transient (burst), remove and reconnect the power supply.
- If the unit is not using for a long period of time, disconnect it from the power supply by unplugging the power plug. This is to avoid the risk of fire.

## SHORT MANUAL - LOCATIONS OF CONTROLS

### MAIN CONTROL KEY LIST



No.	Button	Function / Usage
1	On/Off	Turn on or turn off the unit.
2	Sleep	When playing, standby after a set time. When alarm is sounding, snooze for a set time.
3	Menu	Show menu for the current mode. Press again to show Now playing screen.
4	Mode	Cycle through the modes: Internet Radio, Music player, DAB, FM, Aux in, <i>Bluetooth</i> ®
5	Back	Return to previous screen. In play mode, this button may be used to return to the last track list or station list.
6	Vol-	Decrease volume.
7	Vol+	Increase volume.
8	Info	View more information about the station or track playing. Press again to cycle through further information screens then return to the normal Now playing screen.
9	Preset	Press for the preset recall or save menu. Scroll up or down to select the preset number, then press "Tuning/Select" to confirm.
10	Alarm	Enter alarm wizard, turns off alarm (when alarm is sounding) and, in standby, sets which alarms are active.

Rotary Control	Function/Usage
Tuning/Select	Turn clockwise or anticlockwise to scroll down or up through a menu, list of items or station list. The current item is highlighted in reverse text (dark characters on a yellow background). Then press to select the highlighted item, Answer/end/reject the call.

**Note:** Some buttons have alternate functions depending on whether they are pressed briefly or held down for a few seconds.

**Remote Control Key List**

The remote control operates in a similar way to the main unit control keys.

Button	Function	Remote Control Photo
	Standby: Turn on or back to standby mode (showing clock and date).Cancel sleep function.	
	Cycle through the modes: Internet Radio, Music player, DAB, FM, Aux in, <i>Bluetooth</i> ®	
	Sleep/Snooze: When playing, standby after a set time. When alarm is sounding, snooze for a set time.	
	Mute.	
	Increase volume.	
	Menu: Show menu for the current mode. Press again to show Now playing screen.	
	Tune up station and skip back.	
	Tune down station and skip forward.	
	Info: View more information about the station or track playing. Repeat press to cycle through further information screens.	
	Press to select the highlighted item. Play / Pause function Answer/end/reject the call.	
	Enter alarm wizard, turns off alarm (when alarm is sounding) and, in standby, sets which alarms are active.	
	Press for the Preset recall or press and hold for save menu. Scroll up or down to select the preset number then press" Select" to confirm.	
	Decrease volume.	
	Return to previous screen. In play mode, this button may be used to return to the last track list or station list.	
	Shift: Press to select preset 6 - 10	
	Set or recall preset 5 or 10	
	Set or recall preset 4 or 9	
	Set or recall preset 3 or 8	
	Set or recall preset 2 or 7	
	Set or recall preset 1 or 6	

## GETTING STARTED / SET UP

Connect the unit to a suitable power source using the power supply provided. After showing a starting screen, it will enter the last used listening mode. When the unit is started for the first time, the setup wizard will be launched automatically.

## GET THE NETWORK ENVIRONMENT READY

Make sure you have setup the wireless network and you have the WEP, WPA or WPA2 security password to activate the connection.

You may also use the WPS (WiFi Protected Setup) function for easy pairing between the network device and the unit. Check if the light indicators on the network device are in appropriate status.

## MAIN MENU

Under the main menu, you can select the following modes: Internet Radio, Music Player, DAB, FM, *Bluetooth*®, AUX-In, Sleep and Alarm.

## SETUP WIZARD

At the first time operation, system asks if you want to start the Setup Wizard. The Setup wizard guides you through the basic setup parameters for time/Date and Network connection. To change any settings later all setting functions are accessible from the Settings Menu.

### 1. Time/date Display format

Select 12 or 24 as the time format.

### 2. Auto update

The time and date can be updated manually or automatically from DAB, FM or network.

Auto update works with data sent over DAB, FM or the Internet. The clock is only updated when it is in a corresponding mode, so it is suggested to select a mode you use regularly.

DAB and FM use time signals broadcast with radio transmissions. Network uses a time signal sent from the Internet radio portal when in any network connected mode.

### 3. Time zone / daylight

Set your time zone. If your country uses daylight saving and it is in effect, turn on the Daylight saving option.

### 4. Manual update

If you set No update, the wizard prompts you to set the time and date manually. The date and time are displayed as dd-mm-yyyy and hh:mm.

The active value appears as flashing. Adjust each value with the "Tuning / Select" knob. Once the value is set, press the knob to continue setting with next value.

## 5. Network

### Keep Network connected

Select this option when the unit should the network connection in standby keep, when the function is confirmed, the unit wills faster connecting the internet and it is possible to switch on the unit with the “UNDOK” app.

**Note:** The standby power consumption is slightly increased with this function.

### WLAN region

Select the WLAN region to obtain the optimal WLAN connectivity: Europe.

### Scanning for the network

The unit is compatible with all common network protocols and encryption methods. It searches for the available networks and list them out for you.

For the wireless connection, you will be asked for input the encryption in the next step. To enter the network’s key, use the “Tuning / Select” knob to move the cursor through the characters and select “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 reel back before the first characters – “Backspace”, “OK” and “Cancel”.

### “WPS” encrypted network

There will be hints for the type of network – if your network devices support WPS function, it will be [WPS] before the SSID (the name of the network device). Select the one you want to connect. Use one of the following methods of connection: There is the shortcut WPS key on the access point.

### Push button

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

### Pin

The unit generates an 8-digit code number which you enter into the wireless router, access point, or an external registrar.

### Skip WPS

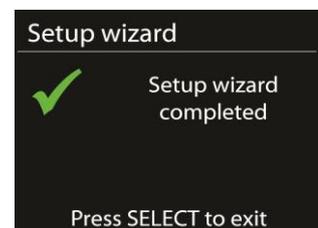
Enter key as for a standard encrypted network.

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

The unit attempts to connect to the selected network.

It will show connected if the setup is successful. If connecting fails, The unit returns to a previous screen to try again.

Press “Tuning/Select” to quit the setup wizard.



## INTERNET RADIO

The unit can play thousands of radio stations and podcasts from around the world through a broadband Internet connection.

When you select Internet radio, the unit directly contacts the Frontier Silicon Internet radio portal (which is supported by v-tuner) to get a list of stations.

The portal also enables multiple lists of favourite stations that you can personalize.

If you are already listening to an Internet radio station, you can press Back button to quickly return to the last visited branch of the menu tree, rather than MENU to go to the first menu of Internet radio mode.

- **Last listened**  
When Internet radio mode restarts, the last-listened station is selected. To select another recently used station, enter here to select the listed station. Most recent stations appear at the top of the list.
- **Station list**  
Browse Internet broadcasts that organized into different categories, Location, Genre, Popular and New. You can also find the station with Search by keyword.
- **Favorites**  
Favorites are stored with the Internet radio portal, and are available through all Internet radios registered on the same account.  
To store a playing station as a favourite, press and hold the “Tuning/Select” knob until the display shows ‘Favourite added’. The station appears in the default favourites list Stations.  
Before favorites can be used, the radio has to be registered with the Internet radio portal
- **My added stations**  
Even though the Internet radio portal contains thousands of stations, you may want to listen to stations not listed. You can add your own via the portal.

To register your unit, choose Station list > Help > Get access code to get your radio’s unique portal access code first. (Do not confuse the portal access code with the Radio ID from System settings.

Visit the portal website at [www.wifiradio-frontier.com](http://www.wifiradio-frontier.com)

Once your radio is registered with the portal, you can immediately use the Internet radio favourites and added stations features.

- **Presets**

To store an Internet radio preset, press and hold the “Preset” button until the display shows the Save preset screen. Select one of the 10 presets to save the current station. Or press and hold any of the “1” to “5” buttons on the remote control to store the current playing station into the preset directly.

To select a preset, press briefly on the “Preset” button, then select one of the listed preset stations. Or press any of the “1” to “5” buttons to directly recall “1” to “5” presets. Use the “Shift” button to pre-select preset number 6-10.

You can also use the later mentioned UNDOK app for storing or recalling the presets.

## MEDIA PLAYER

Music player mode plays audio files in MP3, WMA, WAV, AAC, FLAC or ALAC format from a computer on the local network. If you are already playing a music file, you can press Back button on the radio to quickly return to the last visited branch of the menu tree.

You can use “⏮” or “⏭” to play the previous or the next track, press and hold any of these buttons to start fast rewind or forward.

- ***Shared media***

If you have set up shared media, you should see an entry consisting of <computer name>: <Shared media name>. If you have more than one computer sharing media, the alternatives are listed. Select the shared media you want to play.

From this point on, the menus are generated from the shared media server. The first menu shows a list of media types, for example Music, Video, Pictures and Playlists. The unit can only play music and playlists.

There is also a search function which finds tracks in a similar way to Internet radio search. From Music, there are numerous ways of selecting tracks including Genre, Artist, Album, Composer and Rating. Once you have found a track you want to play, press “Tuning / Select” knob. A short press plays the track immediately.

- ***USB playback***

From this point on, menus are generated from the folders on the USB device. Browse folders with the “Tuning / Select” knob and “Back” button, or by using the “UNDOK app”. The display shows folder and file names (not necessarily track names).

Once you have found a track you want to play, press the “Tuning / Select” knob on the device or click on the song title in “UNDOK” app.

- ***Repeat / Shuffle***

Allow you to repeat tracks or play them in random order.

- ***DMR (DLNA Streaming)***

Shared music is a way of music streaming which you look for the music list and control playback from the unit. This topic will introduce another way to do the music streaming which is not necessary to control playback on the unit.

You can share the music files from PC, Android mobile or tablet, and directly use your PC, Android mobile, tablet or iPhone / iPad to control music playback on the unit. It is simple called DLNA streaming.

## DAB

DAB mode receives DAB or DAB plus digital radio signal and displays information about the station, streaming audio and the program details.

- ***Scanning for stations***

The first time you select DAB radio mode, or if the station list is empty, the unit 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 for one of the following reasons:

- Available stations change from time to time.
- If reception was not good for the original scan, this may result in an empty or incomplete list of available stations.
- If you have poor reception of some stations (burbling), you may wish to list only stations with good signal strength.

To start a scan, choose Full scan, once the scan is complete, the radio shows a list of available stations.

- ***Presets***

To store an DAB preset, press and hold the “Preset” button until the display shows the Save preset screen. Select one of the 10 presets to save the current station. Or press and hold any of the “1” to “5” buttons on the remote control to store the current playing station into the preset directly.

To select a preset, press briefly on the “Preset” button, then select one of the listed preset stations. Or press any of the “1” to “5” buttons to directly recall “1” to “5” presets. Use the “Shift” button to pre-select preset number 6-10.

You can also use the later mentioned UNDOK app for storing or recalling the presets.

- ***Now playing information***

While the stream is playing, the screen shows its name and DLS (Dynamic Label Segment) information broadcast by the station giving real-time information such as program name, track title and contact details. Stereo broadcasts are indicated with an icon at the bottom of the screen. To view further information, press Info button on the radio.

## FM

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 “Tuning/Select” knob. The frequency display starts to run up as the unit scans the FM band. Alternatively, you can scan up or down by rotating “Tuning/Select” knob.

**NOTE:** The tuning direction will be followed the last tuned direction.

- **Preset**

To store an FM radio preset, press and hold the “Preset” button until the display shows the Save preset screen. Select one of the 10 presets to save the current station. Or press and hold any of the “1” to “5” buttons on the remote control to store the current playing station into the preset directly.

To select a preset, press briefly on the “Preset” button, then select one of the listed preset stations. Or press any of the “1” to “5” buttons to directly recall “1” to “5” presets. Use the “Shift” button to pre-select preset number 6-10.

You can also use the later mentioned UNDOK app for storing or recalling the presets.

## UNDOK

The unit supports remote control from Apple iPhone, iPad and Android using the UNDOK app. The apps are available in Apple’s app store and Google’s android play.

You can control the device by using the UNDOK app or your radio's controls.

The UNDOK app allows you to:

- Adjust volume of the device.
- Control all the modes of the unit, including Internet Radio, Music Player, USB playback, DAB, FM, *Bluetooth*® and AUX-In;
- Setting EQ for various audio presets;
- Setting Sleep timer;
- Editing the displayed name of the radio.

## BLUETOOTH®

- When you select the *Bluetooth*® mode, the device is entering to pairing and the BT icon at the bottom of the screen will flash. Turn on your smartphone, tablet or other *Bluetooth*® devices to search for the device. The *Bluetooth*® pairing name is “IR3200”.
- When pairing is successful, the *Bluetooth*® indicator will light up and stop flashing.
- To release BT pairing, turn off or unpair your smartphone, table or other *Bluetooth*® devices.
- Press “Tuning/Select” on the radio to start or pause the playback. You can also press “◀” or “▶” on the radio to play the previous or next track; and you can press and hold any of these buttons to start fast rewind or forward searching.

## HANDS FREE CALLING

When your Mobile phone is connected with your device by *Bluetooth*® and you are in *Bluetooth*® mode, you can answer and end the call by pressing the “Tuning/Select” button. When the call is coming and you press and hold the “Tuning/Select” button the call will be rejected.

## SLEEP

To set the sleep timer, select “Sleep” under “Main menu” or press “Sleep” button. Choose from Sleep OFF, 15 mins, 30mins up to 60mins.

Once you select a sleep period, the system returns to the main menu. Press “Menu” on the radio to return to the Now playing screen.

## ALARM

There are two versatile wake-up alarms with snooze facility, and a sleep function to turn the system off after a set period. Each alarm can be set to start in a particular mode.

While unit is switched on press the “Alarm” button on panel or select Alarms under Main menu to set or change an alarm.

Select the alarm number (1 or 2) then configure the following parameters:

- Frequency: Off, Daily, Once, Weekends or Weekdays
- Time
- Mode: Buzzer, Internet Radio, DAB or FM,
- Preset: Last listened, 1 - 10,
- Volume: 0 - 32

To activate the new settings, scroll down and select Save.

The screen shows active alarms with an icon at the bottom left.

At the set time, the alarm will sound. To temporarily silence, press “Sleep” button on the unit. You can change the snooze period by pressing the “Sleep” button. The radio returns to standby for the set period, with the silenced alarm icon flashing.

## TECHNICAL SPECIFICATIONS

AC power adapter	Input: AC 100 – 240V, 50/60Hz 0,5A (use only supplied adaptor) Output: DC 12 V --- 1,5A
Power consumption	max: 15W
Frequency Coverage	FM 87.5 – 108 MHz DAB 174.928 - 239.200 MHz
Aux In socket	3.5mm, stereo
Line Out socket	3.5mm, stereo
Aerial System	WiFi Built-in antenna DAB / FM Telescopic aerial
Connectivity	WiFi Dual modes to support 2.4GHz and 5GHz WiFi system 802.11b and 802.11g supported with WEP and WPA/WPA2 encryption Compatible with 802.11n routers which offer mixed mode support for 802.11b/g.
Bluetooth	v2.1 + EDR

## IMPORTER

Fully manual is available under:

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