

Ferguson

# REGENT i450s

User manual



Thank you very much for buying the Ferguson REGENT i450s. In order to let you freely operate the product and fully enjoy the overbalancing happiness it brings you, we have introduced each function of the player in detail in this user manual. Please carefully read this user manual before use and keep for future reference.

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## MARKINGS AND SIGNS TO THE DEVICE



Warning! Risk of electric shock - Do Not Open.

This inscription warns against opening the receiver's case. Only authorized service personnel are allowed to open the case.



This crossed-out wheel bin symbol is attached to a product. It means that the product complies with the European Directive 2012/19/EU.

Please seek information about local separate collection system for electrical and electronic products.

Please act according to your local rules and do not dispose your old products with normal household waste. Correct disposal of your old product helps to prevent potential negative consequences for the environment and human health.



The product contains batteries covered by the European Directive 2006/66/EC, which cannot be disposed of with normal household waste. Please find out about the local regulations of separate collection of batteries, because correct disposal helps to prevent negative consequences for the environmental and human health.

This appliance has been designed and manufactured with high-quality materials and components that can be reused.



This sign informs that the receiver complies with the provisions of Directive 2004/108/EC concerning compliance by the member states with the provisions of electromagnetic compatibility and the conditions of Directive 2014/35/EU on the harmonization of the

laws of the Member States relating to the making available on the market of electrical equipment intended for use in certain voltage limits.

**RED** Ferguson Sp. z o.o. declares that the device has been designed, tested and produced in accordance with the guidelines of the European Directive 2014/53 / EU on radio equipment and telecommunications terminal equipment. The declaration of conformity can be found on the website at [www.deklaracje.ferguson.pl](http://www.deklaracje.ferguson.pl)



This sign signifies that fees related to the appropriate recycling and waste recovery system have been paid.

## 1. Network requirement

- 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.
- PC, tablet or smartphone with network connected. This network has to be the same one as the REGENT i450s equipped with.

## 2. Safety precautions

### General

- Do not drop your REGENT i450s and do not expose it to liquids or moisture.

This can damage the device.

- If you move the device from a warm to a cold room and vice versa, wait at least 1 hour before powering up. Otherwise, problems may arise.
- Do not use the REGENT i450s in dusty environments. Dust can damage the electronics parts causing a malfunction.
- Place the device in a horizontal position on a flat, even and stable surface.
- Do not dismantle the REGENT i450s device, as it results in the loss of the warranty.
- Disconnect the device from the electrical network during lightning storms or when it is not going to be used for a long period of time. Remember that the warranty does not cover damage to the device caused by a lightning strike.
- If the device is not used for a long time, disconnect it from the power supply. This is to avoid the risk of fire.
- The ventilation openings should not be covered with items such as newspapers, tablecloths, curtains, etc.
- Open flame sources, such as lighted candles, should not be placed on the apparatus.
- To comply with the requirements for exposure to radio waves, place the device at least 20cm away from nearby people. This rule does not apply when the device controls are operated.

## Power

- Use only the power adapter included with the REGENT i450s.




- The power socket outlet should be installed near the REGENT i450s device and should be easily accessible. Never touch the power cord with wet hands and never pull out the plug by pulling on the cord.



- Make sure that the voltage specified by the REGENT i450s matches the voltage of your electrical outlet. Incorrect voltage will destroy the device.

### **CD Player (Compact discs)**

- Use only Digital Audio CDs with this symbol:
- 
- DO NOT USE THESE TYPES OF DISC:
    - Mini (8cm) CDs. Use only full-size 12cm plates. Mini CD will block the CD mechanism.
    - Discs which do not have a complete metallic resection layer. Discs with a large transparent section will not be detected and may fail to play or eject.
    - Disc which are extra thin or flexible. Such discs may fail to feed in or out correctly and may jam the CD mechanism.
  - Never write on the disc or stick a sticker on it. Keep the discs in a suitable box under the correct conditions.
  - To remove dirt from the CD - wipe it with a soft, dirt-free cloth.
  - Chemical cleaners may damage the CD.
  - Do not expose the CD to rain, moisture and high temperatures.
  - This device is classified as CLASS 1 LASER ..

### **Risks associated with high volumes**

- When listening to the REGENT i450s through headphones - always turn down the volume before plugging in the headphones. After connecting, turn up the

volume to the desired level.

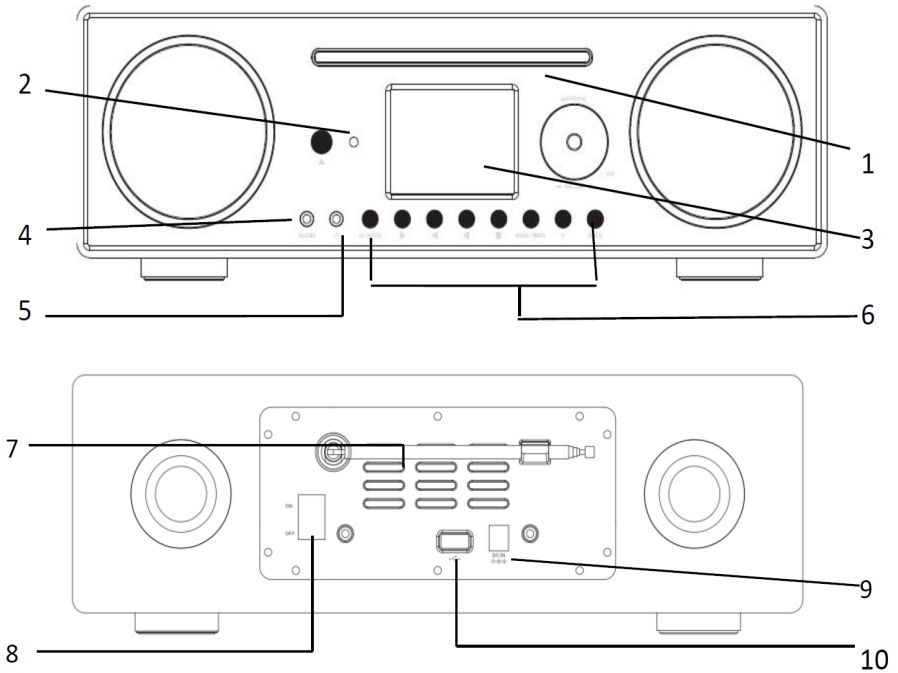
- To prevent possible hearing damage, do not listen to loud music for a long period of time.

## **Maintenance / cleaning**

- Always disconnect the REGENT i450s from the power supply when cleaning.
- Do not use alcohol or liquids containing ammonia to clean the device. If necessary, it may be wiped off with a slightly moist cloth. Make sure the device is dried off after cleaning.
- It is best to use the original packaging to transport the REGENT i450s radio.
- The device must be disposed of at the appropriate collection point, it must not be disposed of with household waste. Equipment for recycling, take it to the collection point for recycling of electrical equipment. Consult your local representative or retailer for recycling advice.



### 3. Appearance and key functions



No	Name	Function
1	CD	CD player
2	IR receiver	Receiver of IR signals from the remote control
3	2.8" TFT Screen	Display
4	AUX	3.5mm jack for AUX IN
5	Earphone jack	3.5mm jack for headphones
6	Buttons and knob	Basic operations and functions
7	Antenna DAB/FM	Receiver of DAB/FM



8	On/ off	Turns the radio on / off
9	DC IN	Power
10	USB2.0 port	Plug in USB or MP3 player to play

## Remote controller


Use your thumb to slide the battery cover and pull it out.

Install AAA 1.5V batteries in the battery compartment by inserting them in the correct position.




**Risk of explosion - If the battery is replaced with an incorrect type. Dispose of used batteries according to the manufacturer's instructions.**


### Icon Function

 Device power on/ off; turn off the alarm

**MODE** Open, close mode selection

**MENU** Open, close menu

 Hold to search backward

 Start playing, pause

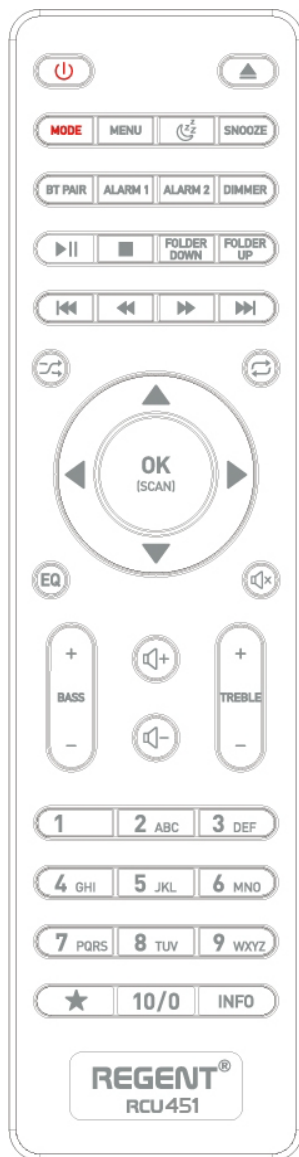
**EQ** Select an equalizer setting













 Go up

 Go left

**OK (SCAN)** Confirm

 Go right



	Go down
	Remove the CD tray
<b>FOLDER DOWN</b>	Go down the folder on the CD
<b>FOLDER UP</b>	Go up the folder on the CD
	Hold to search forward
	Stop play music
	Increase the volume
	Reduce the volume
	Mute, turn off the mute
<b>1-10/0</b>	Numeric buttons: Recall the saved favourite station
	Play: shuffler and repetitively from the list
	
	Turn off in 15/30/60/90/120/150/180 min
<b>SNOOZE</b>	Snooze
<b>BT PAIR</b>	Bluetooth pairing with a device
<b>ALARM 1</b>	Alarm 1, alarm 2
<b>ALARM 2</b>	
<b>DIMMER</b>	Screen dimmer
	Next/ Previous song
	
<b>BASS +/-</b>	Increase/ reduce basses

---

TREBLE  
+/-

Increase/ reduce treble



Favourite

---

INFO

View additional information

---

## 4. Getting started

The items enclosed in the packaging box are as follows

- Radio REGENT i450s
- Power adaptor
- Audio cable with 3.5mm jack at both ends
- User manual
- Remote control RCU451
- Batteries 2xAAA

Connect the power adaptor to the DC IN input placed on the back of the receiver. Then connect the device to the power socket.



Prepare the network environment. *For WiFi:* Make sure your network is configured and know the WEP, WPA or WPA2 password to activate the connection. You can also use the WPS (WiFi Protected Setup) function for a simple pairing between a network device and REGENT i450s. Check if the traffic indicators of the network devices inform about the correct operation.

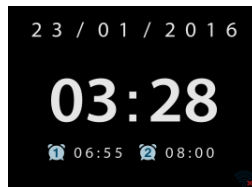
## First-time setup of REGENT i450s





The first time you start the device, first select the language. Rotate the knob to select the desired language from the list and press the knob or "OK" on the remote control to confirm.

After selecting the language, information about privacy policy is displayed. Press "OK" to continue. Then a configuration wizard will appear that will help you configure the main device settings. The system will ask if you want to start the configuration wizard. Select YES to continue the configuration. Details of the configuration wizard can be found in section 5.2.1 below. If you choose NO, in the next window you will be asked if you want to run the configuration wizard again when the device is turned on.

REGENT i450s will automatically connect to the network that has been set before switching on to the Internet radio. If you want to change the network, enter the System setting to configure the appropriate connection. See section 5.2.1 and 5.2.3



Press and hold  /MODE or  button on the remote control to enter standby mode. Time, date and each active alarm are displayed on the screen in this mode.

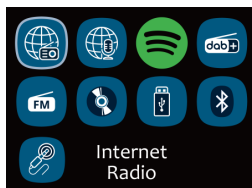


Rotate the knob or use the buttons  /  on the remote control to adjust the volume. You can silence the device by turning the knob  or MUTE button  on RCU.

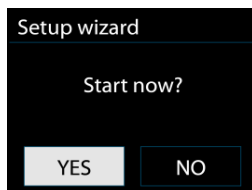
## 5. Functions of REGENT i450s

### 5.1 Main menu

In the main menu you can choose the following modes: Internet Radio, Spotify Connect, Media Player, DAB, FM, Bluetooth, CD, AUX IN, SLEEP and ALARM. Alternatively press **MODE** to enter the main menu, move using the knob, buttons on the panel or / buttons on the remote control.



### 5.2 System settings



#### 5.2.1. Configuration wizard

- **Time/ Date**

- *Display format*

- Select 12 or 24 hour display format.

- *Auto Update*

- Time and date can be set manually or automatically via DAB, FM or Internet network.

- Auto-update works thanks to the given by DAB, FM or via the Internet. The

radio retrieves this data only when it is in the selected mode, so it is best to select this most-used.

DAB and FM use time data sent by a given station. Network mode uses signals transmitted by each connected local network.

- *Time zone, DST*

Set your time zone. You can enable automatic change of summer time/winter time.

- *Manual update*

If you set no update (no update), the configurator will ask you to enter this data in the format: dd-mm-yyyy i hh:mm.

- **Network**

- *Scanning for the network*

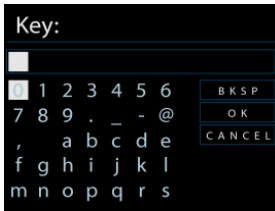
REGENT i450s is compatible with all popular network protocols and encryption methods. Searches for available networks and shows them in the menu.

Network type tips will appear - if the network device supports the WPS function, it will be WPS before the SSID (Name of the Network Device). Choose the one you want to connect to.

In the case of a wireless connection, you will be prompted to encrypt input data in the next step.

- *Standard encrypted network*

To enter a network key, use the knob or keys on the remote control. You can turn knob to navigate and press to confirm.

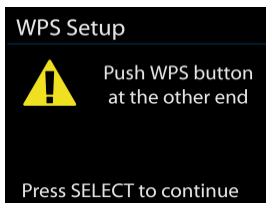


- *WPS encrypted network*

When searching a network via REGENT i450s - WPS networks are displayed with the prefix „WPS” at the beginning of the name..

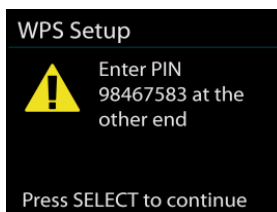
To connect:

- Push button



REGENT i450s will ask you to press the WPS button on the router. The connection will take place automatically.

- Pin



REGENT i450s generate an 8-digit code that must be entered into the router, Access Point or another device.

- Skip WPS

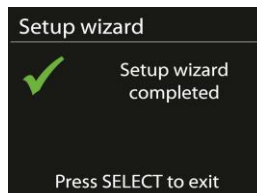
Click to skip connecting via WPS.

In order to obtain more information about the WPS function, refer to the information contained in the instructions for used network equipment.

- Setup completed

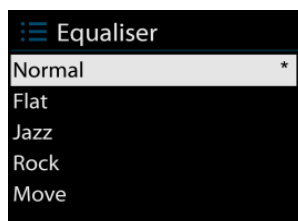
REGENT i450s will notify you about connecting to the network.

An information will appear about the correct connection. If the connection does not go well, REGENT i450s will return to the previous menu.



Press the knob or OK (Scan) on the remote control to finish the configuration.

### 5.2.2. Equaliser





There are many EQ settings options: Normal, Flat, Jazz, Rock, Movie, Classic, Pop and News. User's own settings are also available; you can create a personalized EQ profile.

### **5.2.3. Network**

- *Network configuration*

Click to search for AP SSID, then enter the WEP/ WPA or select Push Button/ PIN/ SKIP WPS to connect to the network.

- *PBC Wlan setup*

Press Configuration to connect to the network using WPS.

- *View Settings*

Information on the currently connected network: Active Connection, Mac Address, WLAN Region, DHCP, SSID, IP Address, Subnet Mask, Gateway Address, Primary DNS and Secondary DNS.

- *Manual settings*

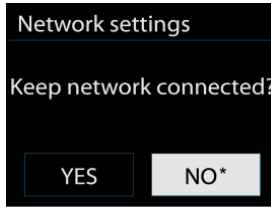
Select a wireless network and whether DHCP (Dynamic Host Configuration Protocol) to be turned on.

- *Network profile*

REGENT i450s remembers the last four configured wireless networks, and will automatically try to connect with them as soon as it is within reach. In this menu you can see a list of saved networks. You can remove unwanted network profile here.

- *Keep network connected*

If you choose Keep Network Connected, WiFi will not disconnect even in standby mode.



#### 5.2.4. Time/Date

Time settings: manually or automatically, time format, time zone, etc.

#### 5.2.5. Language

The default language is English. You can change to another available on the list.

#### 5.2.6. Factory reset

Restores the radio to factory settings.

#### 5.2.7. Software update

The software update is used to improve the operation of the radio and remove errors. In REGENT i450s you can check the availability of updates manually or automatically (this is the default). If the new software is available, you will be asked if you want to install them. If you agree, the software will be installed.

**NOTE:** Before updating, make sure that REGENT i450s is connected to a stable power source. The loss of power during the update can damage the device.

#### 5.2.8. Info

Displays the software version and the radio ID.

### 5.2.9. Backlight

You can change the backlight (enabling power or pause) to high, medium or low. Set the duration of the time limit in which the radio switches to standby mode when it is not controlled.

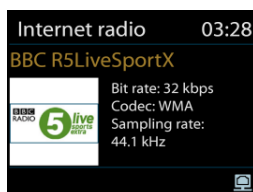
### 5.2.10. Privacy policy



Displays information about privacy policy.

## 5.3 Internet radio

REGENT i450s can play thousands of radio stations from the Internet.

When you select Internet Radio, REGENT i450s will connect directly from Frontier Silicon Internet Radio Portal (which is supported by a V-tuner) to display the station list. The portal also supports the list of favourite channels.

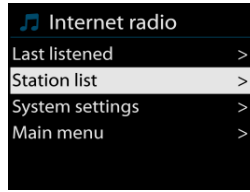


If you are listening to the radio, you can press **BACK** or  on the remote control to quickly return to the previous menu. Pressing **MENU / INFO** moves to the main menu. Press  to pause, press again to play/ resume.

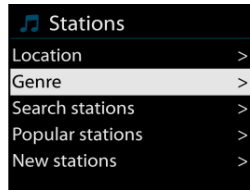
### 5.3.1 Last listened

After restarting the internet radio, automatically played is the most recently played

station. To select a different station, select it on the list and press OK.



### 5.3.2 Radio station list

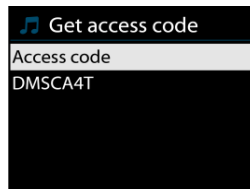


The list of radio stations is ordered by categories: Location, Genre, Popular and New. You can also search for a station by entering its name.

### 5.3.3 Favourites

Favourite stations are saved on the internet radio portal, and are available if the radio is logged in to the same account. Favourite feature can be used after logging in to this portal.

To register REGENT i450s, select a list of radio stations> Help> Get Access Code to get a unique key. (Note: Do not confuse ACCESS CODE with Radio ID in system settings).



Visit the page: [www.wifiradio-frontier.com](http://www.wifiradio-frontier.com)

If this is your first visit to this page - create an account. This requires:

- access code,
- Your e-mail address,
- passwords,
- radio model.

If you already have an account and you want to add a radio, log in to your account and select: My Preferences> Add Another Wifi Radio.

After registering the receiver you can already add your favourite. To save stations in the favourite list, press and hold the knob or **ENTER** button on the remote until "Favourite added" is displayed (added favourites). The station will be displayed on the default list of favourite stations.

### **5.3.4 My added stations**

Although the Internet radio portal contains thousands of stations, you can listen to stations not listed on the list. You can add your own via the portal.

### **5.3.5 Presets**

Saved stations are saved on a local radio and can not be played on other receivers.

To save internet radio, press and hold ★ until the message - "Radio stored" is displayed. Choose one of 10 items to save the currently played station.

To select the previously saved station press ★ then select it from the list. The selected station displays its number from the list (★ 1, ★ 2 etc.) on display.

From **1** to **10/0** on the remote control you can also use for choosing the station.

### 5.3.6 Now playing information

During playback, the name of the website is displayed. To see more information Press: **MENU / INFO** . Each time you press **MENU / INFO** another set of information is displayed.

## 5.4. Spotify Connect



Use your phone, tablet or computer as a remote control for Spotify.


Go to [www.spotify.com/connect](http://www.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>

## 5.5 USB



If you are listening to the radio, you can press **BACK** or  on the remote control to quickly return to the previous menu. Press **MENU / INFO** to move to the main menu.

You can use  or  to play the previous or next, press and hold to scroll or reced. Press  to play/ turn on pause. Press  to stop playback and return to the

list of songs.



### 5.5.1 USB playback

In this function, the menu is generated based on the structure of the folders on the USB memory. Browse folders using the navigation knob and the button **FOLDER DOWN / FOLDER UP** or directional buttons on the remote control. The display shows the names of folders and files (not necessarily the path names).

As soon as you find the song you are interested in, press the knob or "OK" on the remote control. A short press will turn on playback.

The USB port is used to play files - does not have a charging function. It only supports external memory with a FAT16 / 32 file system and only MP3 audio.

### 5.5.2 Repeat/ shuffle

You can repeat songs or play them randomly. Select the button  on the remote control, to enable/ disable the repetition function. Press and hold the button , to enable/ disable a shuffler play function.

### 5.5.3 Now playing information

When playing a song, its name and artist appear on the screen. There is also a strip of progress with time that has elapsed from the beginning. At the bottom of the screen icon indicates USB as the source of music. For more information, press **MENU / INFO**.

displays another set of information in a cyclic way: path/ artist/ progress strap/ duration of the song/ album/ encoding/ sampling/ sampling/ playback buffer and

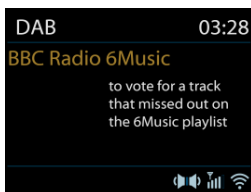
today's date. The album cover from the music server is supported, while the USB album cover is not supported.

## 5.6 Podcast

The device can play thousands of radio stations and podcasts from around the world thanks to Internet connection. When Podcasts is selected, the device directly connects the Frontier Smart Technologies Portal for a list of stations or podcasts. The list menu is provided from the portal, so it is only available when your device is connected to the Internet. The contents and submenus may change from time to time. Select the desired category and search for a station or podcast to listen to.

## 5.7 DAB

DAB mode receives digital DAB/ DAB + radio and displays station information.



### 5.7.1 Station scanning

When you select the DAB radio mode for the first time or if the station list is empty, REGENT i450s automatically performs full scan to check what stations are available. It may be necessary to manually start the scan to update the station list from one of the following reasons:

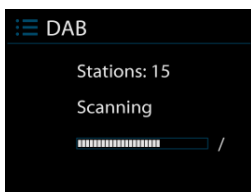
- Available stations change periodically.
- If the signal was not good for the original scan, it can cause empty or



incomplete list of available stations.

- If you have poor signal of some stations (noise), you can only indicate stations with a good signal strength.

To start scanning manually, select Full Scan. To scan only stations with a good signal strength, select Local Scan.



When the scan is completed, the radio will display a list of available stations. To remove stations that are listed, but are not available, select "Crop incorrect". Rotate the navigation knob to display the station list and press to select. After selecting the station, the screen is played back and the station, path or broadcasting information is displayed on the screen.

### 5.7.2 Presets

To save the DAB radio, press and hold ★ until the message - "Radio Saves" appears. Choose one of 10 items to save the currently played station.

To select the previously saved station, press ★ then select it on from the list. The selected station displays its number from the list (★ 1, ★ 2 etc.) on the display. From **1** to **10/0** on the remote control you can also use for choosing the station.

### 5.7.3 Playing information

During playback on the screen, the name and DLS (Dynamic Label Segment) transmitted by the station, providing real-time information, such as the program

name, song title and contact details. Stereo programs are marked with the icon at the top of the screen. For more information, press **MENU / INFO** .

Each time the button **MENU / INFO** is pressed, a cyclically different set of information via DLS text, program type/ name/ band frequency/ signal power/ error/ speed game/ encoder/ channel/ current date.

#### **5.7.4 Settings**

- *Dynamic range compression (DRC).*

If you listen to music with high dynamics in noisy environment, you can try to modify the dynamic sound range. This makes quiet sounds become louder, and loud sounds are playing quieter. You can change the DRC settings to the off, low or high.

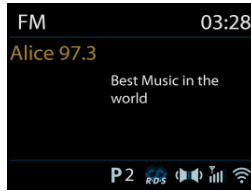
- *Station order*

You can choose the order of the DAB station list to be either Alphanumeric, Ensemble or Valid:

- Ensemble lists groups of stations that are broadcast together on the same ensemble (MUX),
- Valid lists valid stations first,
- Alphanumeric – according to the alphabet.

## **5.8 FM**

FM radio mode receives an analogue radio from the FM band and displays information about RDS station (Radio Data System) if available.



To find a station, press the knob or button OK (Scan) on the remote control. The frequency display starts to start when REGENT i450s scans the FM band. Alternatively, you can scan up or down by pressing and holding the buttons or tune manually using quick pressing or rotating the knob.

### 5.8.1 Presets

To save the FM Radio, press and hold ★ until "Radio Saved" is displayed. Select one of the 10 positions to save the currently playing station.

To select a previously saved station press then select it from the list. The selected station shows its number from the list (★ 1, ★ 2 etc.) on the display.

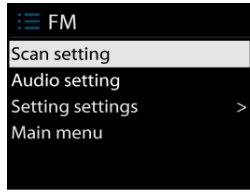
From **1** to **10/0** on the remote control you can also use for choosing the station.

### 5.8.2 Playing information

When an FM channel is playing, its frequency appears on the screen, or if RDS information, station name, and other RDS information such as program name, track title, and contact information are available. If there is no information, only the frequency will appear. Stereo programs are indicated by an icon at the top of the screen, to view more information on the broadcast, press **MENU / INFO** .

Each time the button **MENU / INFO** is pressed, a different set of information is displayed, cyclically with RDS text, further RDS text (station/ program type), frequency and current date.

### 5.8.3 Settings



- *Scan settings*

By default, FM scanning stops at every available station. This can result in a poor signal-to-noise ratio from weak stations. To change the scan settings to stop only stations with good signal strength, select YES for "Strong Signal Only".

- *Audio settings*

All stereo stations are played in stereo. For weak stations this can cause a poor signal-to-noise ratio (noise). To play a weak station in mono, select Weak FM reception: listen in mono and press YES.

## 5.9 Bluetooth



In Bluetooth mode, the REGENT i450s enters pairing mode automatically. You can turn on Bluetooth on your compatible device and search for the REGENT i450s radio to connect. While the REGENT i450s is waiting for pairing, there is a blinking

Bluetooth icon at the bottom of the screen. If the connection is successful - you will hear a short beep and the Bluetooth icon stops blinking.

Control music playback from a Bluetooth device. To unpair from REGENT i450s, press and hold **MENU / INFO** , then select BT disconnect or press and hold **BT PAIR** , to unpair Bluetooth.



## 5.10 CD


The REGENT i450s can play CD-R/ CD-RW discs with CD-DA format that have been finalized\* after recording. CD-R/ CD-RW discs may not be playable due to a bad recording method and / or the large variety in quality of CD-R/ CD-RW discs.


\* Finalizing (finalizing) enables CD-R/ CD-RW discs to be played on audio players.

Select the CD tray eject button (on the remote control or on the front panel). Place a disc with the printed side facing up on the CD tray. Push in the disc tray, the disc will be loaded automatically. The device checks the type of the CD and loads its playlist. "Loading" appears in the display, followed by "Reading".

### 5.10.1 Playback


Use  or  button, to play previous or next track, press and hold to fast forward or fast forward.


Press  , to pause a track. Press again to continue.

Press  , to stop the track. To remove the CD, press  . You can press a numeric




button to go to the selected track.



### 5.10.2 Repeat/ shuffler play

Press the button  on the remote control to switch between normal play, repeat one track, repeat all list (and repeat folder for MP3/ WMA CD files).

Press and hold , button to turn on/ off the random play function.

### 5.10.4 Programming the CD track

Stop playback if a song is currently playing. Press  to start programming. Set first track: Use  or  to search for a track. Press the knob or OK (SCAN) to confirm and set the next program track. Repeat the above steps for each track.

After programming is complete, press . Press  to start playing the programmed tracks.

### 5.10.5 MP3/ WMA CD

REGENT i450s can play CD-R and CD-RW discs containing MP3 and WMA files. This section assumes that the file matches the CD path.

The playback controls are the same as shown in sections from 5.10.1 to 5.10.4. In addition REGENT i450s allows you to skip a folder by pressing **FOLDER UP** or **FOLDER DOWN** on the remote control. The first file of the next or previous folder will be played.

#### NOTE:

An MP3 / WMA CD must not contain more than 512 files and not more than 99


folders. MP3 and WMA files should be created with the audio sampling frequency of 44.1kHz (this is normal for files created from CD audio content).

MP3 and WMA data rates of up to 320kit / s (kilobits per second) are supported. WMA LossLess files are not supported. The device cannot play files containing DRM (Digital Rights Management) protection.

When recording CD-R and CD-RW discs with audio files, various problems may arise that may affect playback. Typically, such problems are caused by bad CD recording, audio encoding software, computer CD writer hardware settings, or the CDs in use. If you experience such problems, contact your CD manufacturer, software manufacturer's customer service, or refer to the product documentation for information. When burning audio CDs, please take care to follow all legal notices and ensure that the copyrights of third parties are not infringed.

## 5.11 AUX IN

AUX IN plays audio from an external source such as an MP3 player. To play audio with AUX IN mode:

- Lower the volume on both the REGENT i450s and (if possible) on the audio source device.
- Connect an external audio source to the AUX IN socket.
- Press  /MODE or MODE on the remote control, then scroll to AUX IN and press the rotary or OK (SCAN) on the remote control.
- Adjust the volume of the REGENT i450s (and, if necessary, the audio source device) according to your preferences.

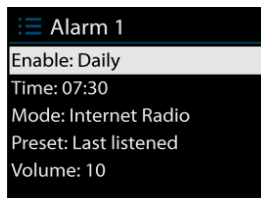


## 5.12 Sleep

To set a timer, select Sleep from the main menu. Choose from OFF, 15 MIN, 30 MIN, 45 MIN, or 60 MIN. After selecting the sleep period, the system returns to the main menu. Press and hold to return to the play screen.

## 5.13 Alarm

There are two alarm clock alarms with snooze function and a sleep function to turn off the system after a set time. Each alarm can be set in the selected mode.





Select Alarms in the main menu to set or change an alarm. Select the alarm number (1 or 2), then configure the following parameters:

- Turn: on/ off,
- Frequency: daily, once, on weekends or on weekdays,
- Time: hh:mm,
- Mode: buzzer, internet radio, DAB or FM,

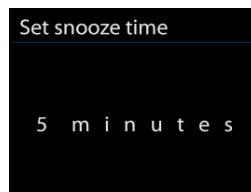


- Preset: Last Listened, Preset 1-10 on list,
- Volume: 4-32.

To activate the new settings, scroll down and select "Save". Active alarms are displayed on the screen with an icon in the lower left corner.

An alarm will sound at the set time. To temporarily mute, press any key on the unit or a button on the remote control, except  /MODE and .

You can change the snooze period. The radio then returns to standby for a user-specified period of time with the alarm mute icon blinking.



Press and hold  /MODE or  on the remote control to turn off the alarm.

## 5.14 Additional features

### 5.14.1 Headphone jack

REGENT i450s is equipped with a headphone jack that allows you to enjoy music in a variety of environments, such as a noisy environment or an area where you need to stay quiet.

It is recommended that you turn down the volume before putting on the headphones. After the headphones are placed correctly, turn the volume up to the desired level.

### 5.14.2 NetRemote (App UNDOK)

The device provides the NetRemote function, i.e. control via a mobile device in the iOS or Android system. By downloading the assigned application called UNDOK, you can browse all modes: Internet Radio, Spotify Connect, Music Player, DAB, FM and AUX IN. Search for UNDOK on Google Play or Apple Store and install it on your mobile device.

You can view and edit the NetRemote PIN in the network settings. The default PIN is: 1234. You may need to use it the first time you connect to the UNDOK application.



**Application icon:**

**QR codes for downloading the application:**



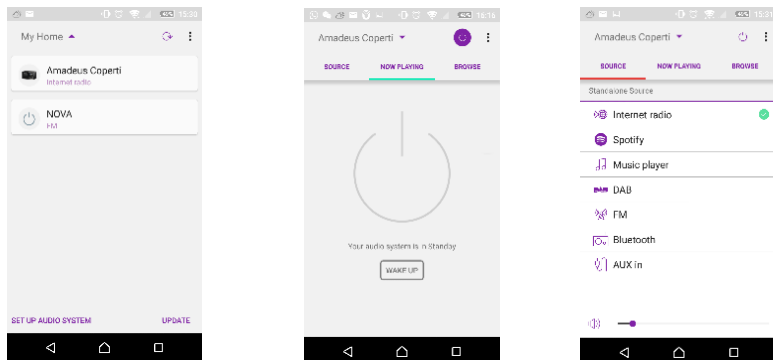
- *Google Play:*



- *App Store:*


Before using the UNDOK app, make sure your REGENT i450s and your mobile device are on the same WiFi network.

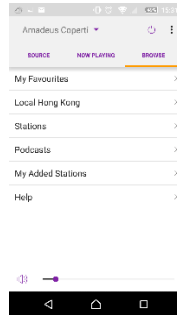
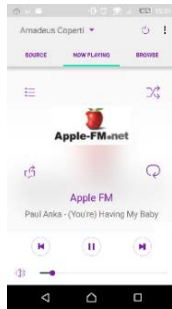
Launch the application. UNDOK initializes and searches for REGENT i450s on the local network. Select REGENT i450s to establish a connection.



When the smartphone/ tablet gains access to the device, it will be automatically connected the next time you open the application. Select the desired mode on the home page. Then you can control the selected mode on the mobile device and on the radio screen simultaneously.

Select , to go to standby. Select again  or "Wake up" to go into working mode.

Select  "Browse" button to view details or view your saved preset stations, then select (+) to add the station to play.

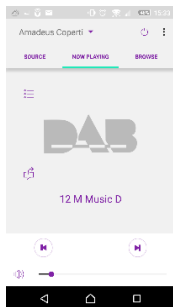


- **Internet Radio**

Browse the list of stations, select a station and go to the next one by scrolling through the text in the application.

- **DAB**

Browse scanned DAB + stations, select a station.

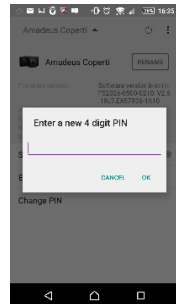
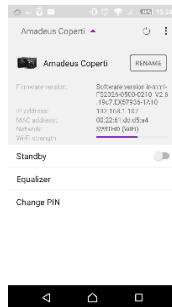
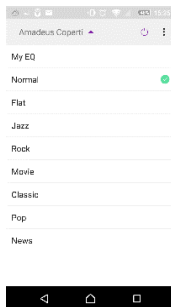




- FM

Manually search or scan a band using the app.

From the application, you can also control the STANDBY/ ON, EQUALIZER, CHANGE PIN and RENAME functions in the SETTING menu. If the CHANGE PIN is set, see section 5.2.3.



**NOTE:** Please note that if another smartphone/ tablet with an application on the same network can access the device, the original connection will be cut off.

# 6. Troubleshooting

Error	Solution
The device does not switch on	Check it the power adaptor is connected properly
No sound	<ol style="list-style-type: none"><li>1. Turn on the sound as it may be muted</li><li>2. Increase the volume</li><li>3. Pull any connected headphone or speaker from the connector jack</li></ol>
No network connection can be established	<ol style="list-style-type: none"><li>1. Check the LAN cable or the WLAN function.</li><li>2. Try to set an IP address at the device.</li><li>3. Activate the DHCP function on the router and make the connection again at the device.</li><li>4. A firewall is activated on the network – set the respective program in such a way that access is possible.</li><li>5. Reboot the router</li></ol>
WiFi connection cannot be established	<ol style="list-style-type: none"><li>1. Check the availability of WLAN network on the router</li><li>2. Place the device closer to the router</li><li>3. Make sure the password is correct</li></ol>

FM noise	<ol style="list-style-type: none"> <li>1. Check / Move the FM antenna</li> <li>2. Move the radio</li> </ol>
No DAB station/ interference	<ol style="list-style-type: none"> <li>1. Move Radio</li> <li>2. Scan stations (high-strength)</li> <li>3. Check the DAB coverage</li> </ol>
The alarm is not working	<ol style="list-style-type: none"> <li>1. Turn on the alarm</li> <li>2. Due to the volume setting, see the solutions "No Sound"</li> <li>3. The source of the alarm was the station but no network connection. Change the alarm source or set up the connection</li> </ol>
USB driver or MP3 player is not detected	<ol style="list-style-type: none"> <li>1. Check if it is connected properly</li> <li>2. Some USB drives require an additional power adapter</li> <li>3. Not all MP3 players are supported</li> </ol>
Other cases	<p>REGENT i450s may process too much data which may cause malfunction. If necessary, restart REGENT i450s</p>
	<p>The normal functioning of the product may be disturbed by strong electromagnetic fields. If this occurs, simply reset the device to resume normal operation In the event that operation cannot be resumed, please use the product elsewhere</p>





	The device may malfunction in highly disturbed places. The device will work properly again when there is no more disturbance
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## 7. Specification

<b>REGENT i450s</b>	
Description	Internet Radio with FM/ DAB+/ BT/ CD player/ USB/ AUX IN/ Spotify/ Undok
Display	2.8", 320 x 240, TFT colour display
Network supported	IEEE 802.11b/g/n wireless (WiFi) Bluetooth (BT 4.2, Supports A2DP, AVRCP profiles)
Frequency band	WiFi: 2.400 - 2.4835 GHz Bluetooth: 2.4GHz - 2.48 GHz
Max. radio frequency power transmitted	WiFi: <20dBm Bluetooth: <4dBm
Encrypted key	WEP, WPA, WPA2 (PSK), WPS
Supported playback formats (USB)	MP3
CD player	Supports CD-ROM, CD-R, CD-RW
Supported playback formats (CD)	CD-DA, MP3, WMA (up to 48kHz, 384kbps)



DAB/ DAB+	Band III (174.928 – 239.200 MHz)
FM	87.5 – 108.0 MHz, support RDS
Power Supply	Power Adaptor, 15V 2400mA
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
Speaker power output	2 x 15W RMS
Connections	3.5mm headphone socket USB port (for playback only, no charging function) 3.5mm aux in socket, stereo DC IN power supply socket
Dimensions	350 mm(L) x 105 mm(H) x 250 mm(D)
Weight	3.485 kg

<b>Power Adaptor</b>	
Manufacturer	Dongguan Green Power One Co., Ltd
Type	GA361-1502400E
Input	100 – 240V AC, 50/60 Hz
Output	15.0V  2.4A, 36.0W   
Safety Class	II

*Use only the original AC adapter*

*Use only the power adapter specified in the user manual*

***Specifications subject to change without notice.***

#### **SIMPLIFIED DECLARATION OF CONFORMITY**

Producer: **Ferguson Sp. z o.o., ul. Dworska 1, 61-619 Poznań**

Name: **REGENT i450s**

Device type: **Radio**

The above-mentioned product complies with Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014 on the harmonization of the laws of the Member States relating to the making available on the market of radio equipment and repealing Directive 1999/5/EC.

**Full Declaration of Conformity for download at: <https://ferguson-digital.eu/deklaracje-zgodnosci/>**



