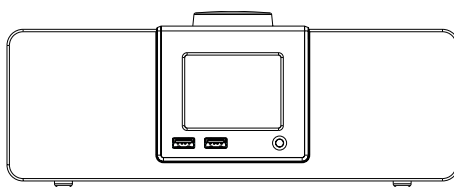
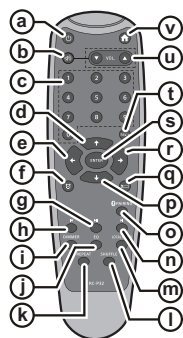
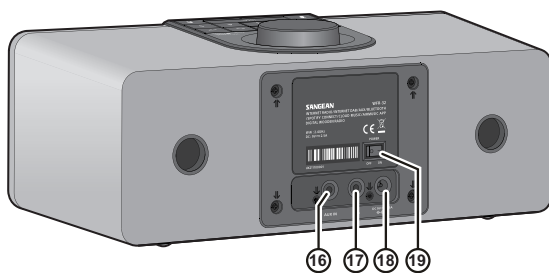
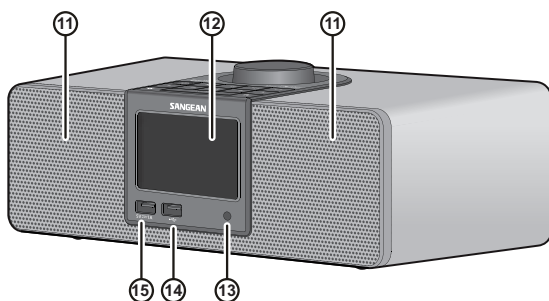
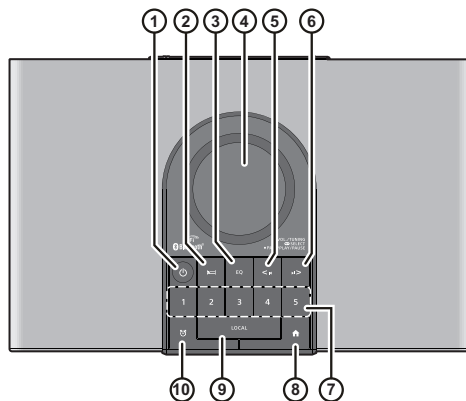


# WFR-32



**GB**

Version 3





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## 1. IMPORTANT SAFETY INSTRUCTIONS

1. Read and understand all safety and operating instructions before the radio is operated.
2. **Retain instruction:** The safety and operating instructions should be retained for future reference.
3. Heed warnings. All warnings on the appliance and operating instructions should be followed.
4. Follow all operations and use instructions.
5. **Water and moisture:** The appliance should not be used near water. Do not use near a bathtub, washbowl, laundry tub, kitchen sink, wet basement, swimming pool, etc.
6. Unplug the radio from the AC power outlet before cleaning. Use only a damp cloth for cleaning the exterior of the radio.
7. Do not place the radio on an unstable cart, stand, bracket or table. The radio may fall, causing serious personal injury and damage to the radio.
8. **Ventilation:** This radio should be situated so that its location or position does not interfere with its proper ventilation. For example, the radio should not be used on a bed, sofa, rug or other soft surfaces that may block the ventilation openings. It should not be placed in a built-in situation like a cabinet that may reduce air flow through the ventilation openings.
9. **Power sources:** The radio should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your radio dealer, Power Company or Sangean.
10. **AC adaptor:** The AC adaptor should be positioned so it is not walked on, pinched, or items placed on top of it. Pay particular attention to wires at plugs, convenience receptacles, and the point where they exit from the unit. Unplug the AC adaptor by gripping the adaptor, not the wire. Operate the radio using only the current type of power source indicated. If you are not sure of the type of power supply to your home, consult your dealer, local power company or Sangean.
11. Do not overload wall outlets or extension cords. This can result in a risk of fire or electrical shock. Never insert objects of any kind into the radio through any openings. The objects may touch dangerous voltage points or short out parts. This could cause a fire or electrical shock and damage the radio.
12. If the radio is left unattended or unused for long periods of time, unplug it from the wall outlet. This will prevent damage caused by lightning or power line surges.
13. If the radio is left unattended and unused for a long period of time, remove the batteries. The batteries may leak and damage furniture of your radio.
14. Do not attempt to service the radio yourself. Removing the cover may expose you to dangerous voltage and will void the warranty.
15. Never push objects of any kind into this radio through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock and damage the radio. Never spill liquid of any kind on the product.

16. The appliance should be serviced by qualified service personnel only when:

- A. The AC power supply cord or the plug has been damaged.
- B. Objects have fallen or liquid has been spilled into the radio.
- C. The radio has been exposed to rain or water.
- D. The radio does not appear to operate normally or exhibits a marked change in performance.
- E. The radio has been dropped, or the enclosure is damaged.

## 2. YOUR WFR-32 RADIO





### INTRODUCTION

Thank you for purchasing the Sangean WFR-32 radio. This radio provides the following range of features:

- Access to more than 40,000 internet radio stations around the globe.
- A total of 250 presets for your favorite stations.
- Easy to control using remote control or companion app.
- Support for USB, UPnP, Bluetooth and Aux-in playback.
- Automatic internet time and date synchronization.
- Compatible with Spotify Connect, Tidal Connect, Amazon Music and more.
- USB charging port for charging USB devices.

Before using this device, please make sure to read and understand all parts of the manual.

### WHAT'S IN THE BOX

WFR-32	
Remote control	
Power adapter	
Quick start guide	

## CONTROLS AND CONNECTIONS

### MAIN UNIT

- ① Power button / Standby
  - Turn the radio on / off
- ② Sleep timer button
  - Set the sleep timer
- ③ EQ button
  - Set the EQ mode
- ④ Volume control
  - Set the volume
  - Select character
  - Select menu items
  - Confirm menu selection
  - Confirm text input
- ⑤ Previous button
  - Go to previous track in Bluetooth mode
  - Go to previous menu in Bluetooth mode
  - Delete selected character and go to previous character
- ⑥ Next button
  - Go to next track
  - Go to next menu
  - Input character and go to next character or move cursor to next character
- ⑦ Preset buttons (1-5)
  - Recall preset 1-5
  - Save station to preset 1-5
- ⑧ Home button
  - Go to Main menu
- ⑨ Local button
  - Go to Local Radio menu
- ⑩ Alarm button
  - Go to Alarm menu
- ⑪ Speaker
- ⑫ Display
- ⑬ IR sensor
  - Infrared sensor for receiving remote control input
- ⑭ USB playback port
  - Connect an external USB device to playback music in the USB mode
- ⑮ USB charging port
  - Connect an external USB device to charge it
- ⑯ Aux in jack
  - 3.5mm jack for audio input from external device
- ⑰ Headphones jack

- 3.5mm jack for stereo audio output to headphones

- ⑱ DC in socket
  - Jack for 9V 2.5A power DC adapter, center pin positive
- ⑲ Power Switch
  - Switch the device on or off here. The device is disconnected from the power supply unit in the OFF position

### REMOTE CONTROL

- a Power button / Standby
  - Turn the radio on / off
- b Mute button
  - Enable / disable the radio's mute feature
- c Numeric buttons (1-0)
  - Recall favorite stations
  - Select and enter character
- d Up button
  - Select menu item
  - Select character
- e Left button
  - Select menu item
  - Go to previous menu
  - Delete selected character and go to previous character
- f Alarm button
  - Go to Alarm menu
- g Play / Pause button
  - Start / pause playback in Media Center / Bluetooth / USB mode
- h Previous Track button
  - Go to previous station in station list
  - Go to previous track in Media Center / Bluetooth / USB mode
- i Dimmer button
  - Change dimmer setting
- j EQ button
  - Set EQ mode
- k Repeat button
  - Configure repeat mode in Media Center / Bluetooth / USB mode
- l Shuffle button
  - Enable / disable shuffle mode in Media Center / Bluetooth / USB mode
- m Local Radio button
  - Go to Local Radio menu
- n Next Track button
  - Go to next station in station list

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- Go to next track in Media Center / Bluetooth / USB mode

- **P** Pairing button
  - Switch to Bluetooth pairing mode
- **P** Down button
  - Select menu item
  - Select character
- **Q** Sleep timer button
  - Set the sleep timer
- **R** Right button
  - Select menu item
  - Go to next menu
  - Input character and go to next character or move cursor to next character
- **S** Enter button
  - Confirm selection
  - Confirm text input
- **T** Fav.+ button
  - Open favorites list
- **U** Volume up / down buttons
  - Raise / lower the volume
- **V** Home button
  - Go back to Main menu

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3. Close the battery compartment again.

## NAVIGATION AND TEXT INPUT

Before connecting the radio to the power supply and configuring the radio, it is important to understand how to navigate menus on the radio and how to input text in order to ensure the radio can be set up and used smoothly.

### NAVIGATING THE RADIO MENUS

The radio's menus can be navigated using either a combination of the Volume control (4) and Previous (5) and Next (6) buttons on the radio itself or the arrow buttons (d, e, p, and r) and Enter button (s) on the remote control.

In horizontally displayed menus (such as the menus that are displayed during the setup wizard and the main menu), an item or submenu can be highlighted by either rotating the Volume control (4) or pressing the Previous (5) and Next (6) buttons on the radio or using the Left (e) and Right (r) buttons on the remote and then pressing either the Volume control (4) on the radio or the Enter button (s) on the remote to confirm.

In vertically displayed menus (most other menus), the Volume control (4) on the radio and Up (d) and Down (p) buttons on the remote can be used to highlight an item, while pressing the Volume control (4) on the radio or the Enter button (s) on the remote can be used to confirm your choice. The Previous button (5) on the radio and the Left button (e) on the remote can now be used to go back to the previous menu and the Next button (6) and Right button (r) can be used to go to the next menu.

### ENTERING CHARACTERS

In some cases, you will have to input characters on the radio, for instance when connecting to a password protected Wi-Fi network or when entering the date and time. In this case, both the buttons on the radio and the buttons on the remote control can be used as well.

When using the buttons on the radio, rotate the Volume control (4) to select the desired character and when it is displayed, press the Next button (6) to go to the next character. The Previous button (5) can be used to move the cursor back one step and delete the selected character, while pressing the Volume control (3) confirms the input.

When using the remote, characters can be input in the same way, using the Up (d) and Down (p) buttons to select the character, while the Left (e) and Right (r) are used to go to previous or next character. The remote also offers a faster alternative for inputting characters using the numeric buttons (c), however. The table below shows which numeric button corresponds to which characters. Cycle through the characters by repeatedly pressing a button. Confirm input by pressing the Enter button (s).

1	Special characters (@, !, ", etc.)								
2	A	B	C	a	b	c			
3	D	E	F	d	e	f			
4	G	H	I	g	h	i			
5	J	K	L	j	k	l			
6	M	N	O	m	n	o			
7	P	Q	R	S	p	q	R	s	

## 3. BEFORE USING THE RADIO

### FINDING A SUITABLE LOCATION FOR THE RADIO

After unpacking the radio from the box, take the following guidelines into account when finding a suitable location for the radio:

- Place the radio on a flat, even surface such as a table.
- Do not place the radio near heat sources.
- Make sure there is sufficient space available around the radio for proper ventilation.
- If you are planning to connect the radio to your Wi-Fi network, make sure to place the radio in a location where Wi-Fi reception is good.
- Avoid placing the radio near appliances that can interfere with Wi-Fi reception, such as microwaves.

### INSTALLING BATTERIES IN THE REMOTE CONTROL

The radio's remote control requires two AAA batteries (not included) to operate. To place the batteries:

1. Open the battery compartment on the back of the remote control.
2. Insert two AAA batteries in the battery compartment with polarities as shown in the diagram inside the battery compartment.

8	T	U	V	t	u	v			
9	W	X	Y	Z	w	x	Y	z	

## 4. GETTING STARTED

### CONNECTING THE AC POWER ADAPTER

The WFR-32 can be powered using the supplied power adapter. Before connecting the AC power adapter to a wall socket, please ensure that the voltage that the socket supplies is within the supported range (100~240 Vac, 50/60Hz).

If the wall socket does supply a voltage that is within the supported range, first connect the small plug of the power cord to the DC IN socket (18) on the radio, then connect the AC power adapter to the wall socket and turn on the Power Switch (19) at the back of the radio.

### INITIAL SETUP

After the radio has been supplied with power, it will automatically turn on. "Sangean" will be shown on the radio's display (12) and a bar below this message will indicate the progress of the startup process.

Once the radio has finished starting up, it will immediately switch over to the initial setup process. During the initial setup process, the startup wizard will guide you through the configuration of the language of the on-screen menus and the network configuration of the radio.

### SETTING THE MENU LANGUAGE

Once the language selection menu appears on the display. The English language is the default language and is therefore highlighted by default. Select the desired language as described previously in the "NAVIGATION AND TEXT INPUT" section in chapter 3. After selecting the desired language, the radio will display all menus in the selected language.

### THE MOBILE APP'S PRIVACY POLICY

Next, the radio will display a QR code and the URL

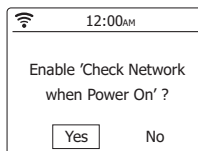
<https://www.mediayou.net/policy.php> to direct you to the Privacy Policy.

Be sure to read this Policy before using the online functionality of the radio and only use the internet radio feature if you agree to all terms and conditions in the Privacy Policy. If you do not agree, do not use the internet radio feature and use the radio for playback in other modes instead.

Press the Volume control (4) or Enter button (s) to continue setting up the radio using the setup wizard.

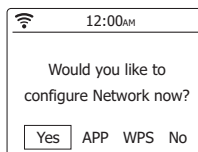
## CONFIGURING THE NETWORK CONNECTION

When configuring the network connection, the first question the setup wizard will ask is whether you want it to check for network connections when you turn the radio on. There are two options here:



- 1. Yes:** The radio will automatically scan for Wi-Fi networks when it is turned on and it is not or cannot connect to networks it has previously connected to.
- 2. No:** The radio will not automatically scan for Wi-Fi networks when it is turned on and is not already connected to a network that it has previously connected to. In this case, you will have to connect to a network manually using the radio's menu.

Next, the wizard will ask if you want to configure the network now. There are four options to choose from here:

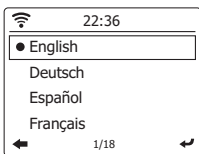


- 1. Yes:** The radio will scan for nearby Wi-Fi networks. After scanning is completed, select your network from the list and enter the password as previously described. After entering the password, the radio will connect to the network. The setup wizard has now been completed and the radio will switch over to the main menu.
- 2. APP:** This option will display a QR code that, when scanned, takes you to a page with instructions on how to install the AirMusic Control mobile app on your Android or iOS device and how to then connect the radio to your Wi-Fi network. Follow these instructions to successfully connect the radio to your Wi-Fi network. After the radio has been connected to the network, the setup wizard has been completed and the radio will switch over to the main menu.

- 3. WPS:** If your router supports WPS (refer to the instruction manual of your router), you can also use the WPS feature to connect the radio to your Wi-Fi network. After selecting WPS, press the WPS button on your router within 120 seconds to establish a connection between the 2 devices. Once the connection is established, the setup wizard is now completed and the radio will switch over to the main menu.

- 4. No:** Select no if you do not want to connect the radio to the Wi-Fi network at this point in time. When not connected to a Wi-Fi network, the radio can still be used to playback audio in both the Bluetooth and the Aux in mode. In addition, the radio can be connected to a Wi-Fi network at any time by using the menus on the radio.

After finishing this step, the setup wizard is completed. The radio's time and date will automatically be set if you have connected to a Wi-Fi network and your radio is now ready for use.



## SETTING THE DATE AND TIME

If you have connected the radio to your Wi-Fi network during the initial setup process, the date and time have already been automatically set using the internet connection. If you want to change the time and date, follow these instructions:

1. Turn on the radio using the Power button (1) on the radio or the Power button (a) on the remote.
2. Select the **Configuration** menu from the radio's main menu as previously described.
3. In the **Configuration** menu, select the **Date & Time Option**.
4. Next, select the **Set Date and Time Option**.
5. To set the time and date, now select the **Manual Setup Option**.
6. Use the Volume control (4) and the Previous (5) and Next (6) buttons on the radio or the arrow buttons (d, e, p, and r) and numeric buttons (c) on the remote control to set the date and time.
7. Press the Volume control (4) on the radio or the Enter button (s) on the remote to confirm the date and time.

**Note: The Date & Time submenu can also be used for setting the time format, date format, and Daylight Saving Time (DST). More information about these features can be found in chapter 5 "THE CONFIGURATION MENU".**

**Wi-Fi is needed for consistent time calibration accuracy.**

## SETTING THE LOCATION

The radio's location is not automatically set after completing the setup wizard and must be set manually in order for you to quickly browse and search for local internet radio stations.

After the initial setup, the radio's location can be set either by selecting the **Local Radio** item in the radio's main menu or by following these steps:

1. Turn on the radio using the Power button (1) on the radio or the Power button (a) on the remote.
2. Select the **Configuration** menu from the radio's main menu as previously described.
3. In the **Configuration** menu, select the **Local Radio Setup** item.
4. Next, select the **Set Location** item.
5. Now select either **Auto Detect (Country)** to automatically detect and set the country or choose one of the **Manual Setup** items to set your location by country, state, city, or US zip code (for the US).

**Note:**

**A Wi-Fi connection is required for setting the radio's location. If the radio is not connected to a Wi-Fi network, the location setting can be accessed, but auto detecting a location or selecting a location by US zip code will not be possible and the county, state and city list will show as "Empty".**

## USING THE ALARMS AND TIMERS

The WFR-32 features 3 alarms (alarm 1, alarm 2 and NAP alarm), a sleep timer and a regular timer. Follow the instructions below to use the alarms and timers.

### SETTING THE ALARMS

All 3 alarms can be set through the **Alarm** submenu of the radio's **Configuration** menu.

1. Turn on the radio using the Power button (1) on the radio or the Power button (a) on the remote.
2. Select the **Configuration** menu from the radio's main menu as previously described.
3. In the **Configuration** menu, select the **Alarm** item.
4. Next, select the alarm you want to set (**Alarm 1, Alarm 2 or NAP Alarm**).

If you have selected **Alarm 1** or **Alarm 2** in step 4, follow these steps:

- (1) After selecting the alarm, select **Turn On**.
- (2) Next, select the **Time** item.
- (3) Use the Volume control (4) and the Previous (5) and Next (6) buttons on the radio or the arrow buttons (d, e, p and r), numeric buttons (c) and Enter button (s) on the remote control to set and confirm the alarm time.
- (4) Select the **Repeat** item.
- (5) Select when you want to alarm to activate by selecting either **Everyday** or **Once**, or by checking / unchecking the checkboxes in front of the different days of the week using the Volume control (4) on the radio, the Enter button (s) on the remote, or the Right button (r) on the remote control. Press the Previous button (5) on the radio or Left button (e) on the remote control to confirm and go back to the previous menu.
- (6) Select the **Sound** item.
- (7) Select the alarm sound that you want to wake up to. You can choose from **Beep, Melody, Internet Radio, USB or Spotify**. If USB is selected, you can select a desired file on the USB device to wake up to.
- (8) If the selected alarm sound is unavailable at the time of the alarm (in case of **Internet Radio, USB or Spotify**), the radio will use the Melody sound instead.
- (9) You have now completed setting up the alarm. Press the Previous button (5) on the radio or the Left button (e) on the remote twice to go back to the alarm menu or press the Home button (8) on the radio or the Home button (v) on the remote to go back to the radio's main menu.

If you have selected **NAP Alarm** in step 4, follow this step:

5. Select one of the preset durations for the NAP Alarm timer. You can choose from **Turn off, 5 minutes, 10 minutes, 20 minutes, 30 minutes, 60 minutes, 90**

**minutes, and 120 minutes.** The NAP alarm will be activated after this time has elapsed.

**Note:**

**You can also press the Alarm button (10) on the radio or the Alarm button (f) on the remote control to directly go to the Alarm submenu. This works both when the radio is in standby mode and when the radio is turned on.**

## SETTING THE ALARM VOLUME

The alarm volume for all alarms can be set in the **Alarm** submenu of the radio's **Configuration** menu as well. Follow these steps to set the alarm volume:

1. Follow steps 1 to 3 from the previous section.
2. Select the **Alarm Volume** item.
3. Rotate the Volume control (4) or press the Previous (5) or Next (6) buttons on the radio or press the arrow buttons (d, e, p, and r) on the radio to set the alarm volume.
4. Press the Volume control (4) on the radio or Enter button (s) on the remote to confirm the alarm volume.

## WHEN AN ALARM IS ACTIVATED

### STOPPING AN ALARM

When an alarm is activated, press the Power button (1) or Alarm button (10) on the radio or the Power button (a) or Alarm button (f) on the remote control to stop the activated alarm.

### USING THE SNOOZE FEATURE

When an alarm is activated, press any button on the radio or the remote (except the Power button (1) / Alarm button (10) / Volume control (4) on the radio or the Power button (a) / Alarm button (f) / Volume buttons (u) on the remote) to snooze the alarm for 5 minutes. This procedure can be repeated during the alarm period. While the snooze feature is activated, the display will show the message "SNOOZE...." and the remaining time the snooze feature is active.

## DEACTIVATING AN ALARM

To deactivate an alarm, follow steps 1 to 4 described in the **SETTING THE ALARMS** section and then select the **Turn Off** item.

## SETTING THE SLEEP TIMER

The sleep timer allows you to automatically turn off the radio after a preset time has elapsed. It can be set from 15 to 180 minutes using the radio's **Configuration** menu or by repeatedly pressing either the Sleep timer button (2) on the radio or the Sleep timer button (q) on the remote control.

Follow these steps to set up the sleep timer using the **Configuration** menu:

1. Turn on the radio using the Power button (1) on the radio or the Power button (a) on the remote.
2. Select the **Configuration** menu from the radio's main menu as previously described.

3. In the **Configuration** menu, select the **Sleep Timer** item.

4. Now select the time in which you want the radio to turn off. Select the **Turn Off** item to turn off the sleep timer and to continue using the radio.

## SETTING THE TIMER

The timer can be set through the **Configuration** menu to alert you when a certain period of time has elapsed. The timer can be set from 1 second to 99 minutes and 59 seconds. Follow the steps below to set the timer:

1. Turn on the radio using the Power button (1) on the radio or the Power button (a) on the remote.
2. Select the **Configuration** menu from the radio's main menu as previously described.
3. In the **Configuration** menu, select **Timer**.
4. Use the Previous (5) and Next (6) button on the radio or the arrow buttons (d, e, p, and r) on the remote control to set the desired time. Hold one of the buttons to increase the speed with which the timer value changes.
5. Press the Volume control (4) on the radio or Enter button (s) on the remote to confirm.
6. The timer will start running immediately and when the set time has elapsed the radio will activate an alarm. Press any button on the radio or the remote to stop the alarm.

GB

## THE AIRMUSIC CONTROL APP

The AirMusic Control app connects the WFR-32 to your phone through a Wi-Fi network and allows you to control the radio from the palm of your hand. In order to use the AirMusic Control app, your phone and radio must be connected to the same Wi-Fi network. The app offers an intuitive user interface, facilitates text input and allows you to control most of the radio features.

AirMusic Control is available for both Android and iOS and can be downloaded from Google Play or the App Store.

## 5. THE CONFIGURATION MENU

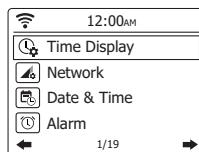
After completing the setup wizard and setting the location, in most cases there is no need to go back into the radio's configuration menu.

If you would like to change the location, time, options which are displayed in the main menu or other settings, you can access the configuration menu and customize all settings to your likings.

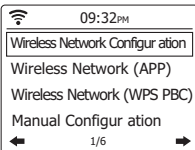
The configuration menu can be opened by simply selecting **Configuration** in the radio's main menu.

Below is a description of all settings that can be found in the configuration menu:

1. **Time Display:** Select this item to choose between digital and analog time display. If digital time display is chosen, an additional list appears for the selection of the color of the digits.



2. **Network:** Select this item to configure the device's network related settings. After selecting Network, a menu appears with several new options:



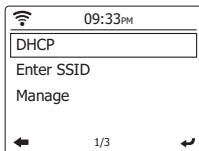
- (1) **Wireless Network Configuration:** Select this option and then select "Enable" to have the radio scan for Wi-Fi networks. After the scan has completed select a Wi-Fi network and enter the associated Wi-Fi password to connect to it.

- (2) **Wireless Network (APP):** Select this option to display the QR code that guides you to a page with instructions on how to install the AirMusic Control app for Android devices and instructions on how to use this app to connect the radio to your Wi-Fi network.

- (3) **Wireless Network (WPS PBC):** Select this option to connect your radio to your Wi-Fi network using the WPS feature. Before selecting this option, make sure your Wi-Fi router supports the WPS feature. Press the WPS button on the router within 120 seconds of selecting the item on the radio.

- (4) **Manual Configuration:**

Select this option to go to a next menu with options for manually configuring and managing the radio's Wi-Fi connections:

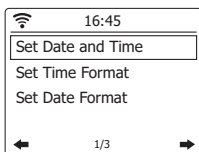


- **DHCP:** Select this option to specify whether the radio should connect to a DHCP server on the Wi-Fi network. If **DHCP (Off)** is selected, you will have to manually enter an IP address on the network.
- **Enter SSID:** Select this option to manually enter the SSID of a Wi-Fi network.
- **Manage:** Select this option to get an overview of the Wi-Fi networks the radio has previously connected to. Wi-Fi networks and their associated passwords can be deleted from the radio's memory by selecting them and then selecting **Yes**.

**Note:** It is recommended not to use the Manual Configuration item unless you are familiar with computer networks.

- (5) **Check network when power on:** Select this option to specify whether the radio should scan for Wi-Fi networks when it is turned on and is not or cannot connect to any known Wi-Fi network.
- (6) **Setup PIN for APP:** Select this option to set a PIN code that users have to input when connecting to the radio through the AirMusic Control app.

3. **Date & Time:** Select this option to manually configure all date and time settings. After selecting this item, a submenu containing the following items appears:



- (1) **Set Date and Time:** Select this option to choose between setting the date and time manually or automatically detecting the time.

- (2) **Set Time Format:** Select this option to choose between the 12- and 24-hour time format.

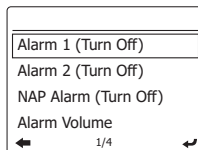
- (3) **Set Date Format:** Select this option to set the date format. The available options are: **YYYY / MM / DD**, **DD / MM / YYYY**, and **MM / DD / YYYY**.

- (4) **Daylight Saving Time (DST):** Select this option to turn Daylight Saving Time on or off after choosing 'Manual Setup'.

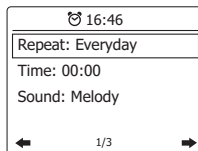
#### Note:

Refer to the "SETTING THE DATE AND TIME" section in chapter 4 for more information regarding setting the date and time.

4. **Alarm:** Select this option to configure the various alarms and the alarm volume. After selecting this item, a submenu containing the following items appears:



- (1) **Alarm 1:** Select this option to enable or disable alarm 1. Enabling the alarm will take you to the submenu containing the following items:

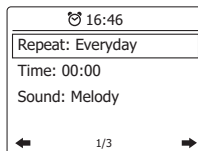


- **Repeat:** Select this option in order to select when the alarm should be activated. A list of checkboxes will appear in which you can select **Everyday**, **Once**, or check / uncheck the different days of the week to customize the settings.

- **Time:** Select this option to set the alarm time.

- **Sound:** Select this option to select the alarm sound. The available options are: **Beep**, **Melody**, **Internet Radio**, **USB**, and **Spotify**.

- (2) **Alarm 2:** Select this option to enable or disable alarm 2. Enabling the alarm will take you to the submenu containing the following items:



- **Repeat:** Select this option in order to select when the alarm should be activated. A list of checkboxes will appear in which you can select **Everyday**, **Once**, or check / uncheck the different days of the week to customize the settings.

- **Time:** Select this option to set the alarm time.

- **Sound:** Select this item to select the alarm sound. The available options are: **Beep**, **Melody**, **Internet Radio**, **USB**, and **Spotify**.

- (3) **NAP Alarm:** Select this option to set the NAP alarm. The NAP alarm is an alarm that allows you to take a quick nap and is activated after the selected preset time has elapsed. The available

options for setting the NAP alarm are: **Turn off, 5 minutes, 10 minutes, 20 minutes, 30 minutes, 60 minutes, 90 minutes, and 120 minutes.**

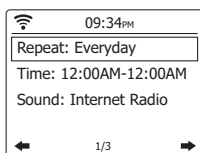
- (4) **Alarm Volume:** Select this option to set the alarm volume.

**Note:**

Refer to the “**USING THE ALARMS AND TIMERS**” section in **chapter 4** for more information regarding setting the alarms.

5. **Timer:** Select this option to set a timer.

6. **Scheduled Playing:** Select this option to have the radio play every day during a specified period. After selecting this item, a submenu containing the following items appears:



- (1) **Repeat:** Select this option in order to select when scheduled playing should be activated. A list of checkboxes will appear in which you can select **Everyday, Once,** or check / uncheck the different days of the week to customize the settings.

- (2) **Time:** Select this option to set the time during which scheduled playing should be active.

- (3) **Sound:** Select this option to choose which mode you want your alarm to play.

7. **Language:** Select this item to set the language that the radio's menus are displayed in.

8. **Dimmer:** Select this item to configure the dimmer setting. In the menu that appears, you can either select Power Saving to change the display's brightness level or select Turn On to change the brightness level of the display in the power on mode.

**Note:**

The dimmer level can also be set directly by repeatedly pressing the Dimmer button (i) on the remote control.

9. **Display:** Select this option to choose between the **Color** and **Monochrome** display mode.

10. **Power Management:** Select this option to set when the radio automatically powers off after being idle. The available options are: **Turn off, 5 minutes, 15 minutes, and 30 minutes.**

11. **Sleep Timer:** Select this item to configure the sleep timer. The available options are: **Turn off, 15 minutes, 30 minutes, 60 minutes, 90 minutes, 120 minutes, 150 minutes, and 180 minutes.**

**Note:**

The sleep timer can also be set directly by repeatedly pressing the Sleep Timer button (2) on the radio or the Sleep Timer button (q) on the remote control. The selected sleep timer duration will be shown in the right upper part of the display.

12. **Local Radio Setup:** Select this option to go to a submenu where you can manually set up your location for Local radio or allow the radio to Auto Detect your location.

13. **Playback Setup:** Select this option to configure the repeat or shuffle mode when playing music in the

Media Center / USB mode. The available options are: **Off, Repeat-All, Repeat One, and Shuffle.**

14. **Menu:** Select this option to control which items are displayed in the radio's main menu. After selecting this option, a list will appear containing all available main menu items with a checkbox in front of them. Simply check the checkboxes of the items that you want to show in the main menu to customize it to your likings.

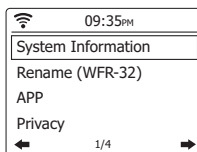
15. **Equalizer:** Select this option to select 1 of the 9 available equalizer modes. The available equalizer modes are: **Normal, Flat, Jazz, Rock, Soundtracks, Classical, Pop, News, and My EQ.**

**Note:**

The My EQ mode can also be set using the Next button (6) on the radio or the Right button (r) on the remote control."

16. **Resume When Power On:** Select this option to set whether the radio should continue playing when it is turned on. If this setting is set to On, the radio will continue playing the content it was playing from internet radio before it was turned off.

17. **Device:** Select this option to open the device submenu containing the following items:



- (1) **System Information:**

Select this option to view the software version, wireless information (network status, MAC address, network SSID, IP address, Subnet, Gateway, DNA1, and DNS2), and Bluetooth version.

- (2) **Rename:** Select this option to change the name of the radio. The radio's name is used when connecting to it using the MusicAir Control app or when pairing in the Bluetooth mode.

- (3) **APP:** Select this option to display a QR code that, when scanned, guides you to a page with links to the radio's companion app, MusicAir Control, in the App Store and Google Play.

- (4) **Privacy:** Select this option to display a QR code that, when scanned, takes you to the system Privacy Policy.

18. **Software Update:** Select this option to update the radio's software. If no updates are detected, the radio will display the message "No update available".

**VERY IMPORTANT:**

When updating the radio's software, do not switch off the power to the radio until the update operation is complete and the radio has restarted, otherwise the unit may become permanently damaged.

19. **Reset to Default:** Select this option to reset the radio to the default settings. Please note that selecting this option and subsequently selecting Yes will reset the radio to its factory settings and all information stored on the radio will be deleted. This includes all settings, Wi-Fi passwords, and stored presets / favorites.

After the radio has been reset to the default settings, the radio will restart and the setup wizard will run

once again to help setting up the most important radio settings.

## 6. LISTENING TO INTERNET RADIO

The WFR-32 Internet Radio is capable of receiving tens of thousands of internet stations and podcasts from around the globe when the radio is connected to the internet through a Wi-Fi network.

In this chapter, you will learn how to tune to internet radio stations, how to store these stations as preset / favorite stations and how to recall preset / favorite stations.

### TUNING INTO INTERNET RADIO STATIONS

To tune into internet radio stations, first turn on the radio using the Power button (1) on the radio or the Power button (a) on the remote control and then select **Local Radio**, **Internet Radio** or local stations (**Wi-Fi**) from the radio's main menu. **Local Radio** is intended for tuning into local radio stations, while the **Internet Radio** submenu allows you to tune into stations from all around the world.

Since the first option in the **Local Radio** menu contains the same station list that can be found under local stations (**Wi-Fi**), please refer to the Local Radio menu for more information about this menu item.

### LOCAL RADIO MENU

After selecting **Local Radio** from the main menu, a submenu will appear in which there are several ways of selecting a local internet radio station:

1. **United Kingdom / DAB (Wi-Fi)**: Select this item to go to a list of all DAB radio stations from the UK that are also broadcasting their signal through the internet.
2. **United Kingdom / Top10**: Select this item to go to a list with the 10 most popular internet radio stations in the UK.
3. **United Kingdom / All**: Select this item to go to a list with all internet radio station from the UK.
4. **United Kingdom / Genre**: Finally, there are still several options to go to genre-specific lists of radio stations. Simply choose the item corresponding to your favorite genre (for example, rock) to go to a list with all UK internet stations broadcasting music of that genre.

#### Note:

The items in the above menu depend on your location. Due to different broadcasting systems being used around the world, European users will see the **DAB (Wi-Fi)** item, while users in the US and the Americas will see the **HD(Wi-Fi)** and / or **FM (Wi-Fi)** items.

To tune into a station, simply highlight it in the list and then press the Volume control (4) on the radio or Enter button (s) on the remote control.

#### Note:

If you have not set the radio's location prior to accessing the Local Radio menu, the radio will first show the location selection menu. Please refer to the "SETTING THE LOCATION" section in chapter 4 for more information on setting the radio's location.

### INTERNET RADIO MENU

The Internet Radio menu has more options than the Local Radio menu:

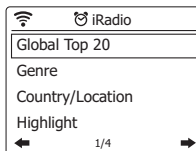
1. **My favorite**: Select this option to go to the list with your favorite stations. These are the presets that you've set



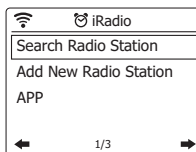
on the radio, as well as any station that you have saved as a favorite station. Refer to the "USING PRESET / FAVORITE STATIONS" section later in this chapter for more information about savings and recalling presets and favorite stations.

2. **Radio Station / Music**:

Select this option to go to the submenu where you can select internet radio stations from around the globe. The following items are available in this submenu:



- (1) **Global Top 20**: Select this option to go to a list of the 20 most popular internet radio stations around the globe.
  - (2) **Genre**: Select this option to search for radio stations around the world that are broadcasting a specific genre. After selecting a genre, you can browse through either the most popular stations in this genre or through the stations by country.
  - (3) **Country / Location**: Select this option to search for internet radio stations by country. After selecting a continent and country, you can browse through either the most popular stations or all stations from that country.
  - (4) **Highlight**: Select this option to go to a list with recommended internet radio stations.
3. **Sleep Radio**: Select this option to go to a list with radio stations that broadcast sounds that will help put you to sleep safe and sound.
  4. **History**: Select this item to look at the history of the stations that you have tuned into.
  5. **Service**: Select this option to go to a submenu to add new internet radio stations that might not be listed in any of the other lists or stations that you simply cannot find.



- (1) **Search Radio Station**: Select this option to search for an internet radio station by name.
- (2) **Add New Radio Station**: Select this option to add an internet radio station using a URL.
- (3) **APP**: Select this option to have the radio display a QR code guiding you to the download location of the AirMusic Control app (the radio's companion app). Simply scan the QR code to go to the page with more information about the download locations

for the app.

## ADJUSTING THE VOLUME

The volume of the radio can be increased by rotating the Volume control (4) on the radio clockwise or pressing the Volume up button (u) on the remote control. The radio volume can be decreased by rotating the Volume control (4) on the radio counterclockwise or pressing the Volume down button (u) on the remote.

The radio's audio output can be muted by pressing the Mute button (b) on the remote control. Normal audio can be resumed by pressing the Mute button (b) or either of the Volume buttons (u) on the remote control again or by rotating the Volume control (4) on the radio.

## USING PRESET / FAVORITE STATIONS

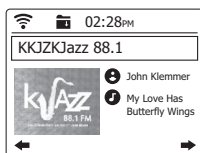
The WFR-32 can store up to 250 favorite stations.

The procedure for storing preset stations using the controls on the radio and the remote control is slightly different., so please follow the correct procedure when storing internet radio stations as favorites.

### STORING PRESET / FAVORITE STATIONS USING THE RADIO CONTROLS

The radio controls can only be used to save the first 5 favorite stations, which are also the radio presets. Below are the instructions for using the radio controls to store stations as preset stations:

1. Turn on the radio using the Power button (1).
2. Tune into the radio station that you want to store in preset memory as described earlier.
3. Press and hold the Preset button (7) while listening to a station you want to store. A folder will appear on the display indicating that the station was stored.



#### Note:

**Preset / favorite stations that have been added to the preset / favorite list cannot be added again to a different preset / favorite number.**

### STORING PRESET / FAVORITE STATIONS USING THE REMOTE

The procedure for storing stations using the remote is slightly different. Follow these steps to store stations using the remote:

1. Turn on the radio using the Power button (a) on the remote.
2. Go to any radio station list, highlight a radio station and then press the Right button (r) on the remote.
3. In the menu that now appears on the radio's display (12), select the **Add to My Favorite** item.
4. The favorite list will now appear on the radio's display (12). Use the Up (d) and Down (p) buttons on the remote to select the desired favorite position for the radio station. By default, the station will be added to the end of the list.

#### Note:

**Preset / favorite stations that have been added to the preset / favorite list cannot be added again to a different preset / favorite number.**

## RECALLING PRESET / FAVORITE STATIONS

Stations can be recalled in three easy ways:

- To recall any of the first five favorites (the preset stations), simply briefly press the corresponding Preset button (7) on the radio.
- From the main menu, go to the **Internet Radio -> My Favorite** and select the station you want to listen to from the list.
- Press and release the Fav.+ button (t) on the remote control and select the station you want to listen to from the list.

## 7. SPOTIFY CONNECT AND MEDIA CENTER FEATURES

### AUDIO PLAYBACK VIA SPOTIFY CONNECT

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



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

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

Go to [spotify.com/connect](https://www.spotify.com/connect) to learn how.

### MEDIA CENTER FEATURES

Aside from Spotify Connect, the WFR-32 also allows you to connect to various other Cloud Music services, UPnP servers and USB devices via the **Media Center** item in the radio's main menu.

### Podcasts

Select the **Podcasts** item to search for regular podcasts through various lists or a search feature and add podcasts to a favorites list.

### AUDIO PLAYBACK VIA CLOUD MUSIC SERVICES

The WFR-32 has support for various cloud music services. After selecting "Media Center" in the main menu, select "Cloud Music" in the Media Center submenu. A list of available cloud music services will appear on the display:

1. **Amazon Music** Amazon Music is an online music streaming service that requires a paid subscription to log in and use on this radio. Refer to <https://music.amazon.com/> for more information regarding the use of this service.
2. **Deezer**: Deezer is an online music streaming service that requires you to have a paid subscription, log in and use on this radio. Refer to <https://www.deezer.com> for more information regarding the use of this service.
3. **Napster**: Napster is an online music streaming service that requires you to have a paid subscription to log in

and use on this radio. Refer to <https://www.napster.com> for more information regarding the use of this service.

4. **Qobuz:** Qobuz is an online music streaming service that requires you to have a paid subscription to log in and use on this radio. Refer to <https://www.qobuz.com/> for more information regarding the use of this service.
5. **TIDAL:** TIDAL is an online music streaming service that requires you to have a paid subscription to log in and use on this radio. Refer to <https://tidal.com/> for more information regarding the use of this service.

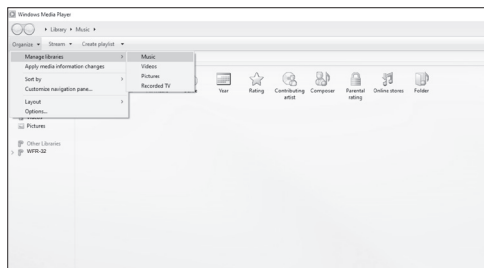
## AUDIO PLAYBACK VIA UPNP SERVER

The WFR-32 also support playback from files hosted on a UPnP server. In most cases, computers will be used as UPnP servers. The most common and most convenient UPnP server application is Windows Media Player (version 10 or later), as Windows is the most popular operating system for home computers and Windows Media Player is built into the Windows operating system.

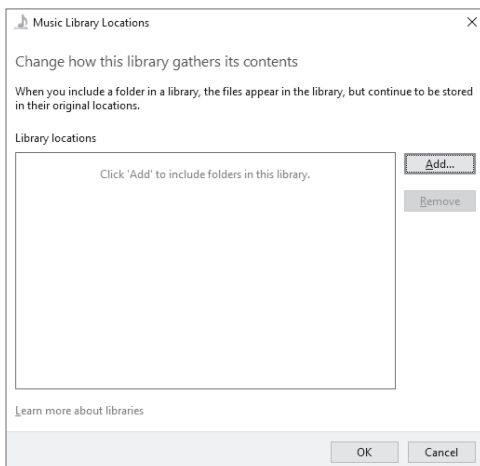
## SETTING UP A UPNP SERVER AND PLAYING AUDIO USING WINDOWS MEDIA PLAYER

Follow these steps to set up a UPnP server using Windows Media Player (version 10 or later):

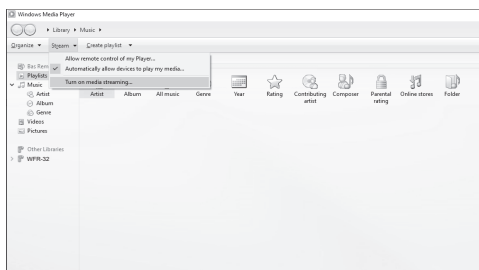
1. Turn on your PC and make sure it is connected to the same network as your WFR-32.
2. Make sure the WFR-32 is turned on as well and the **UPnP** item is selected in the **Media Center** menu.
3. Add the music files, and folders that you want to share with the radio to your Windows Media Player library by clicking **Organize > Manage libraries > Music** on the computer.



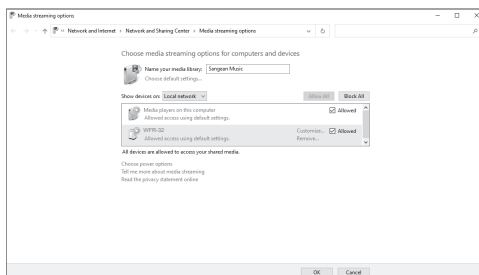
4. Click on the **Add...** button in the window that appears on the computer to add folders and / or files and click on the OK button after adding all your files and folders to your music library.



5. After completing setting up your music library, click on **Stream > Turn on media streaming...** on the computer.



6. After turning on media streaming, a new window will appear in which you can configure which devices have access to the media library. Make sure the radio ("WFR-32" in the screenshot below) is allowed access to the media library and click OK on the computer.



7. The radio will now be able to browse through the media library shared on the PC. Simply select the file or playlist that you want to play on the radio to enjoy your PC's music library through your radio's speaker.
8. When you first set up sharing with a UPnP server, not all of your files will be available immediately. The UPnP server must look inside each file to identify the artist and album information from 'tags' embedded in them. The server may also need time to access the Internet to obtain additional information such as 'album

art', which it can display when you examine your music library on your PC. For a library of many files this can take some time.

If the display shows "empty", please leave the UPnP mode first, wait 3 to 5 minutes for the device to search for files on the UPnP server, and then enter the UPnP mode again.

9. After playback has started, the display will show the "Now Playing" screen with cover art (if available), the artist's name, the title name, the album name, the composer's name and the playback progress. Press the repeatedly on the Next button (6) on the radio or Right button (r) on the remote control to zoom in on the cover art or view it in full screen.
10. Playback can be controlled using the remote controlled using the Play / Pause (g), Next track (n), Previous track (h), Repeat (k), and Shuffle (l) buttons on the remote control.

## CASTING MUSIC TO THE RADIO

Windows Media Player also allows users to cast music to the radio. This can be convenient when you are working on your PC and want to play songs through the radio's speaker without having to actually control the radio. Follow these steps to cast songs to the WFR-32:

1. Make sure all steps from the previous section have been followed, that the radio is still in the UPnP mode and that both the PC and the radio are still connected to the same network.
2. Go to your music library in Windows Media Player and right click on a song, album, genre, or playlist and then select Cast to > WFR-32.
3. The song (s) will now be cast to the radio and automatically played through the radio's speaker.

### Note:

Some Windows security software can prevent correct operation of the 'Play to' / 'Cast to Device' function. Such software may have updates or configuration options which will permit 'Play to' / 'Cast to Device' to operate correctly - please consult your anti-virus software supplier.

## USING UPNP SERVER ON MAC OR LINUX

Although this manual only describes how to set up a UPnP server on Windows using Windows Media Player, there are similar applications available for macOS and Linux.

A list of UPnP server applications for your platform can be found at [https://en.wikipedia.org/wiki/List\\_of\\_UPnP\\_AV\\_media\\_servers\\_and\\_clients](https://en.wikipedia.org/wiki/List_of_UPnP_AV_media_servers_and_clients).

Please refer to the documentation that is provided with these applications for more information on how to set up the server.

## SUPPORTED FORMATS

MP3 (bit rate up to 320 Kbits / s, sampling rate up to 48 KHz)

AAC / AAC+ (bit rate up to 320Kbits / s, sampling rate up to 48 KHz)

WMA (bit rate up to 320 Kbits / s, sampling rate up to 48 KHz)

WAV / FLAC (sampling rate up to 48 KHz)

## AUDIO PLAYBACK VIA USB STORAGE DEVICE

As the option for USB playback is also available from the main menu, more information about USB playback can be found in the next chapter.

## 8. LISTENING TO MUSIC VIA USB DEVICE

The WFR-32 is equipped with two USB ports, one for charging USB devices and one for USB playback. If you want to listen to music using a USB device, make sure you connect the USB device to the USB playback port (14).

### PLAYBACK FROM A USB DEVICE

Follow these steps to playback music from a USB device:

1. Insert the USB device into the USB playback port.
2. Turn on the radio using the Power button (1) on the radio or the Power button (a) on the remote.
3. Select the **USB** menu from the radio's main menu.
4. The radio's display will now show all files and folders on the USB device. Use the radio's controls or the remote control to select the file or playlist that you want to play on the radio.
5. After playback has started, the display will show cover art (if available), the artist's name, the track name and the playback progress. repeatedly press the Next button (6) on the radio or Right button(r) on the remote control to zoom in on the cover art or view it in full screen.

### Note:

The radio only supports the FAT, FAT32, and exFAT file systems, so make sure your USB device has been formatted using the file system. Your radio is unable to play from media formatted using the NTFS file system.

### Important:

Your radio is only designed to work with USB flash memory devices. It is not intended to be connected to hard disk drives or any other type of USB device.

The WFR-32 has been tested to support USB memory devices with a capacity of up to 256GB. However, there are many different memory devices available and not all memory devices can be guaranteed to work with the WFR-32.

Playback does not support files encoded using WMA lossless, WMA Voice, WMA 10 professional, nor files of any format which have DRM protection.

Unless you have only a few files on the USB memory device, do not store all files in the same root folder.

The number of items (files / sub-folders) in any folder should be less than 1000.

Searching and playback will be more responsive if the number of files in any one folder is limited (we suggest no more than 200).

It is recommended that the USB memory is reformatted in your computer before adding your

GB

music files.

The maximum depth of folder nesting permitted is 8 folder levels (but playback is only from the currently selected level).

#### Cautions:

In order to minimize the risk of damage to your radio and your USB memory device, please place the unit in such a manner that the device cannot easily be knocked while it is inserted in the socket.

Remove the USB device before carrying the unit or if not using the USB feature for a prolonged period. Press the power button on the radio (1) or press the power button on the remote (a) to enter Standby mode when removing your USB memory device.

### SUPPORTED FILE FORMATS

MP3 (bit rate up to 320 Kbits / s, sampling rate up to 48 KHz)

AAC / AAC+ (bit rate up to 320Kbits / s, sampling rate up to 48 KHz)

WMA (bit rate up to 320 Kbits / s, sampling rate up to 48 KHz)

WAV / FLAC (sampling rate up to 48 KHz)

### USING THE USB CHARGING PORT FOR CHARGING A USB DEVICE

If you want to charge a USB device (such as your smartphone), connect the device to the USB charging port (15) using a suitable USB cable (not supplied) and make sure the radio is connected to the mains supply.

#### Note:

The USB charging port (15) supports a maximum output power of 5V / 1A.

## 9. LISTENING VIA BLUETOOTH STREAMING

In order to stream Bluetooth music to your radio, you need to pair your Bluetooth device with your WFR-32. Pairing creates a 'bond' so two devices can recognize each other.

### PAIRING YOUR BLUETOOTH DEVICE FOR THE FIRST TIME

1. Turn on the radio using the Power button (1) on the radio or the Power button (a) on the remote.
2. Select the **Bluetooth** option in the radio's main menu to switch to the Bluetooth mode.
3. Activate Bluetooth on your Bluetooth device (refer to the manual of the Bluetooth device if you are unsure about how to active Bluetooth).
4. Go to the Bluetooth list on your Bluetooth device and select the device named "WFR-32" (if you have changed the name of the radio in the radio's **Configuration** menu, search for the name you have given the radio instead).

#### Note:

On some Bluetooth devices with Bluetooth version 2.1 or earlier, you might be requested to enter a pass

code. If this is the case, enter the pass code "0000".

5. After the devices have paired and connected, a confirmation tone will be played on the radio and the white bar near the top of the radio's display will show the message "Bluetooth Connected".

You can now play music on your Bluetooth device and stream the music through the radio's speaker.

#### Notes:

- If 2 Bluetooth devices are pairing for the first time, both must search for your radio, it will show its availability on both devices. However, if one device links with this unit first, then the other Bluetooth device won't find it on the list.
- If you take your Bluetooth device out of range, the connection between your device and the radio will be temporarily disconnected. Your radio will automatically reconnect if the Bluetooth device is brought back into range. Be aware that during the period of disconnection, no other Bluetooth device can pair or link with your radio.
- If "WFR-32" shows up in your Bluetooth device list, but your Bluetooth device cannot connect with it, please delete the item from your list and pair the Bluetooth device with the radio again following the steps described previously.
- The effective operation range between the radio and the paired Bluetooth device is approximately 10 meters (30 feet). Any obstacle between the system and the device can reduce the operational range.
- Bluetooth connectivity performance may vary depending on the connected Bluetooth device. Please refer to the Bluetooth capabilities of your device before connecting it to your radio. Not all features may be supported, depending on the Bluetooth device used.
- With some mobile phones, making / receiving calls, text messages, e-mails or any other activities unrelated to audio streaming may mute the Bluetooth audio streaming or even temporarily disconnect from your device. Such behavior is a function of the Bluetooth device and does not indicate a problem with your WFR-32.

### AUDIO PLAYBACK IN THE BLUETOOTH MODE

When you have successfully connected your radio with the chosen Bluetooth device you can start to play your music using the controls on your connected Bluetooth device.

1. Once playback has started, the display will show cover art (if available), the connected Bluetooth device name, the artist's name, the track name, the album name and the playback progress. repeatedly press the Next button (6) on the radio or Right button (r) on the remote control to zoom in on the cover art or view it in full screen.
2. Adjust the volume to the required setting using the Volume control (4) on the radio, the Volume buttons (u) on the remote control or on your Bluetooth device.
3. Use the controls on your Bluetooth source device to play / pause and select tracks. Alternatively, playback

can be controlled using the remote control using the Play / Pause (g), Next track (n), and Previous track (h) buttons on the remote control or by pressing and holding the Previous (5) and Next (6) buttons on the radio to go to the previous or next track.

**Note:**

**Not all player applications or devices may respond to all of these controls.**

### AUDIO PLAYBACK FROM A PREVIOUSLY PAIRED BLUETOOTH DEVICE

The WFR-32 can memorize up to 8 sets of paired Bluetooth devices. Once more than 8 devices have been connected, the earliest device with which the radio was paired will be overwritten in the radio's memory.

If your Bluetooth source device has previously paired with the WFR-32 previously, the radio will still remember your Bluetooth device and attempt to reconnect with the device that was last connected. If the last connected Bluetooth device is not available, the radio will try to connect to the second last Bluetooth device.

### DISCONNECTING YOUR BLUETOOTH DEVICE

To disconnect your Bluetooth device, either turn off Bluetooth on the Bluetooth device or switch to another mode on the radio, for instance by tuning into an internet radio station. If you disconnect the Bluetooth device when the radio is in the Bluetooth mode, the white bar near the top of the radio's display will show "Bluetooth Disconnected" and the radio will be available for pairing again.

To connect to a different device, press the pair button on the remote or apply a long press on the volume control on the radio.

## 10. LISTENING TO MUSIC USING THE AUX IN JACK

You can listen to the sound of an external device through your WFR-32's speaker. To do this, follow these steps.

1. Connect the external device (such as iPod, MP3 player or CD player) to the radio's Aux-in port (16) using a 3.5mm audio cable (not supplied).
2. Make sure both the radio and the external device are turned on.
3. Select the **AUX** option in the radio's main menu.
4. The audio output of the external device will now be played through the speaker of your WFR-32. The volume can be adjusted using the radio's Volume Control (4) or the Volume buttons (u) on the remote control.

## 11. LISTENING TO MUSIC USING THE HEADPHONE JACK

The WFR-32 is equipped with a Headphone jack (17) on the back of the radio, which can be used to connect a pair of headphones with a 3.5mm plug. To connect the headphones, simply plug the 3.5mm jack into the socket. The radio will then automatically detect that a pair of headphones has been connected and it will disable its internal speaker.

We recommend turning the volume down before connecting the headphones and raising it slowly to a suitable level after connecting the headphones to avoid loud sounds and damaging your hearing.



**Note:**

**Excessive sound pressure from earphones and headphones can cause hearing loss. To prevent possible hearing damage, do not listen at high volume levels for long periods of time.**

### Troubleshooting

Observation	Potential Cause / Solution
No Power / function	<ul style="list-style-type: none"> <li>• Check if the power switch has been turned to the ON position.</li> <li>• Check if the power adaptor is properly connected to the power outlet.</li> </ul>
Function disturbance	<ul style="list-style-type: none"> <li>• Try performing a factory reset.</li> <li>• Turn the power switch to the OFF position. Leave it there for 1 minute and switch the radio back on again.</li> </ul>
No Internet Connection	<ul style="list-style-type: none"> <li>• Ensure Wi-Fi mode is selected in settings and that the correct password has been entered for the network.</li> <li>• Try performing a factory reset and then try reconnecting.</li> <li>• Turn the power switch to the OFF position. Leave it there for 1 minute and switch the radio back on again.</li> </ul>
Time or date are wrong	<ul style="list-style-type: none"> <li>• Check the Clock settings and set the time once again.</li> </ul>

## SPECIFICATIONS

<b>AC Power Adapter Requirements</b>	DC 9V / 2.5A Center Pin Positive (+)
<b>Included Remote Control Battery</b>	2 x 1.5V Size "AAA" / UM-4 / R03
<b>Wi-Fi</b>	
The frequency and maximum transmitted power	2412MHz ~ 2472MHz for 11b / g / n (HT20) / 11n (HT40): 17.96dBm
802.11b / g / n (WLAN) Encryption	WEP, WPA, WPA2 (PSK), WPS
<b>Bluetooth</b>	
Bluetooth Specification	Bluetooth® Ver 5.0
Profile Support	A2DP v1.3, AVRCP v1.6
Bluetooth Audio Codec	SBC / AAC
Transmitting Power	Class 2
Line of Sight Range	10meters / 30feet
The frequency and maximum transmitted power	2402MHz ~ 2480MHz: 2.66dBm (Bluetooth EDR)
<b>Loudspeaker</b>	2.5" 8ohm x 2 full range
<b>Output Power</b>	3W + 3W
<b>USB Type-A Ports</b>	USB-L (  ): 5V / 1A; USB-R (  ): 5V / 1A
<b>Headphone Socket</b>	3.5mm diameter Stereo Output
<b>Auxiliary Socket</b>	3.5mm diameter Stereo Input
<b>Operating Temperature Range</b>	0°C to +35°C
<b>Information on Power Consumption</b>	
Off mode	This device does not have a standby mode, and its power consumption in the off mode is less than 0.3W.
Bluetooth mode	In Bluetooth mode, when there is no signal output, the idle power consumption is 3.7W after 15 minutes.
AUX mode	In AUX mode, when there is no signal output, the idle power consumption is 3.4W after 15 minutes.


※ The barcode label on the product is defined as below:



aH 18 12 00001  
 ↑ ↑ ↑ ↑  
 Serial number  
 Production month  
 Production year  
 Product code

SANGEAN reserves the right to amend the specifications without notice.

## DISPOSAL OF YOUR OLD PRODUCT

 If at any time in the future you should need to dispose of this product please note that: Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice. (Waste Electrical and Electronic Equipment Directive)