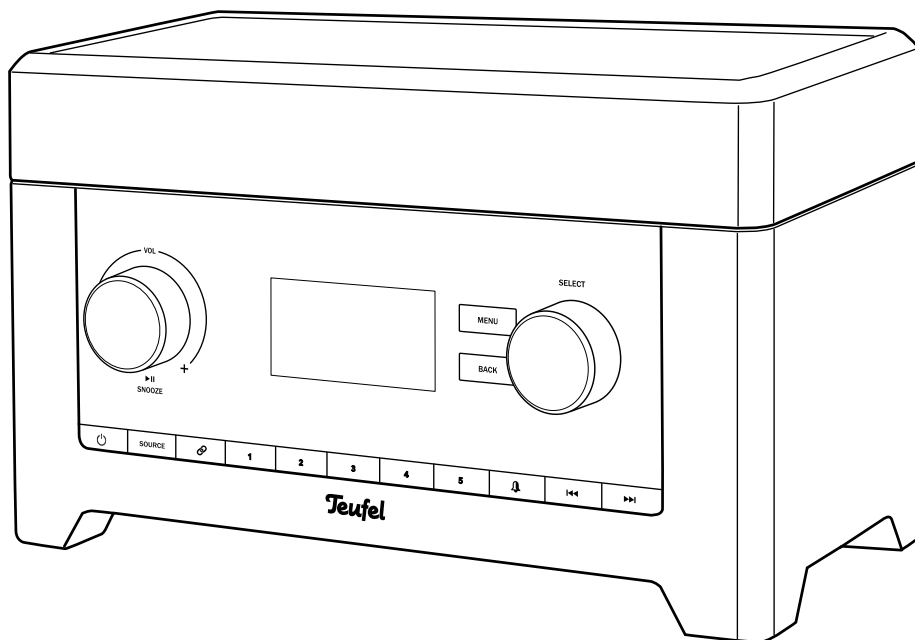# Technical Description and User Manual

Radio 3sixty

Radio with FM, DAB/DAB+, web radio, USB playback, Bluetooth®, Spotify and network streaming

Teufel

Contents

General Notes and Information

Notice

The information in this document may change without prior notice and in no way constitutes any liability on the part of Lautsprecher Teufel GmbH.

No part of this user manual may be reproduced in any form or be broadcasted in any way electronically, mechanically, by photocopy or recording without the written permission of Lautsprecher Teufel GmbH.

© Lautsprecher Teufel GmbH

Version 2.0, April 2018

Trademarks

® All trademarks are the property of their respective owners.

The Bluetooth® word mark and Bluetooth® symbol are registered trademarks of Bluetooth SIG, Inc. and any use by Lautsprecher Teufel is licensed.

The Spotify software is subject to third-party licences, which are listed here:

www.spotify.com/connect/third-party-licenses

Original packaging

If you wish to exercise your eight-week right of return, we ask that you be absolutely sure to hold onto the packaging. We can only accept product returns with the ORIGINAL PACKAGING.

Empty boxes are not available!

Complaints

In case of a complaint we will need the following information to process your enquiry:

1. Invoice number

Can be found on the sales slip (enclosed with the product) or on the order confirmation received as a PDF document, e.g. 4322543

2. Serial number or batch number

Located on the back side of the device, e.g. serial no.: KB20240129A-123.

Thank you for your support!

Contact

Please contact our customer service department with any questions, suggestions, or complaints:

Lautsprecher Teufel GmbH
BIKINI Berlin
Budapester Straße 44
10787 Berlin (Germany)

Phone 00800 - 200 300 40 (toll-free)

Fax: +49 (0)30 / 300 930 930

Service:
www.teufelaudio.com/service

Contact:
www.teufelaudio.com/contact

Before operating the product for the first time, please read the safety notes and user manual carefully. Only in this way, can you ensure that all functions are used in a safe and reliable manner. Store the user manual in a safe place and also be sure to pass it on to any subsequent owner.

NOTICE

Check that all items have been delivered and that nothing is damaged. If you find any damage, do not operate the device; instead contact our customer service department.

For Your Safety

Proper use

The device is designed for the playback of music and speech from radio and Internet stations.

Only use the device as described in this user manual. Any other use will be deemed as not in accordance with the instructions and may lead to damage of property or even persons.

The manufacturer accepts no liability for damage caused by improper use.

The device is intended for private use only.

Explanation of terms

You can find the following signal terms in this user manual:

⚠ CAUTION

This signal term indicates a low risk, which, if not avoided, may result in minor or moderate injury.

NOTICE

This signal term warns you of potential damage.

Safety notes

This chapter contains general safety notes which you should always observe to protect yourself and third parties. Also observe the warning notes in each chapter of this user manual.

Touching live parts can result in severe injury or death.

- When connecting the mains adapter, make sure that the correct voltage is present. You can find more information about this on the rating plate.

- Regularly check the device and the mains adapter for damage. Disconnect the mains adapter immediately from the socket and do not use the device if its housing or the housing of the mains adapter is defective or if there is other visible damage.

- This device is disconnected from the mains by pulling the mains adapter. Therefore, make sure that the mains adapter is always easily accessible.

- If the device or the mains adapter emits smoke, smells burnt or produces unusual sounds, immediately disconnect it from the mains and do not operate it further.

- Never open the housing of the device or mains adapter. Repairs may only be carried out by an authorised specialist workshop. Only parts that match the original specifications may be used.
- Only use the accessory products specified by the manufacturer.
- Never modify the device. Unauthorised modifications may affect the safety and functionality.
- Never touch the mains adapter with wet hands.

An unsuitable setup location may result in injury and damage.

- Never use the device unmounted in vehicles, in unstable locations, on wobbly tripods or furniture, on insufficiently dimensioned brackets etc. The device could tip or fall down and cause injury to persons or be damaged itself.
- Arrange the device so that it cannot be knocked over accidentally and make sure that the cables do not pose a tripping hazard.
- Do not place the device and the mains adapter near heat sources (e.g. heaters, ovens, other heat generating equipment such as amplifiers etc.).
- Do not use the device in environments where there is a risk of explosion.
- Only use the wireless functions (Bluetooth®, Wi-Fi) in locations where wireless radio transmission is allowed.

Children can become trapped in the plastic wrapping when playing and suffocate.

- Do not allow children to play with the device or the plastic wrapping. There is a danger of suffocation.
- Never allow children to operate electrical equipment unsupervised.

Extended listening at high volumes may lead to hearing loss.
To avoid damage to health, avoid extended listening at high volumes.

- When the volume is set high, always keep a certain distance from the device and never place your ears directly on the speaker.
- If your Radio 3sixty is set to full volume, it may produce very high sound pressure. This may have psychological consequences and also cause physical injury. Children and pets are particularly at risk. Set your signal source device volume to a low setting before turning on the power.

This product contains magnetic material.

- If necessary, consult your physician and ask about effects on implants such as pacemakers or defibrillators.

Improper use may lead to damage or fire.

- Do not place open flames such as burning candles or similar on the device.
- Ensure sufficient ventilation.

- Do not expose the device to direct sunlight.
- Only use the device indoors.
- Do not operate the device in wet rooms and protect it from dripping and splashing water. Make sure that no vases or other liquid-filled objects are located on or near the device in order to prevent liquid from penetrating the housing. If water or other debris have infiltrated the device, immediately pull the mains adapter out of the socket. Then send the device to our service address.

The isolation pads can produce discolouration on sensitive surfaces.

- On parquet, varnished wood and similar surfaces, you should stick felt gliders to the rubber feet of the device or put a blanket under it. This will prevent discolouration of the floor over the long term.

Explanation of symbols

☐	Protection class II Dual insulation
⌂	May only be used indoors
⚡	Risk of electrical shock – do not open the housing. Disconnect the mains cord before changing a fuse.

Old devices must not be disposed of with household waste!

Electrical equipment contains harmful substances and valuable resources.

Every consumer is required by law to bring all old electrical devices to an authorised collection or return point so that they can be disposed of in a manner that is environmentally friendly and which preserves resources.

You can hand old electrical devices over to the local reusable materials/recycling centre.

Please contact your vendor directly for more information about this topic.

Overview

Unpacking

- Carefully open the box and carefully lift the device out of the box.

Package contents

(1) 1× Radio 3sixty
(2) 1× mains adapter

Checking the package contents

- Check that all items have been delivered and that nothing is damaged.
- If the delivery is incomplete or the device has been damaged, please contact our service team (see page 4).
- Do not in any case operate the device if it is damaged.

(1)

(2)
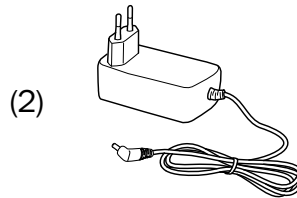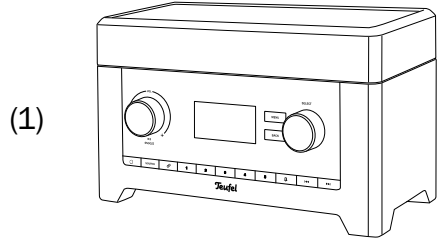
Operational Controls and Connections

Front side
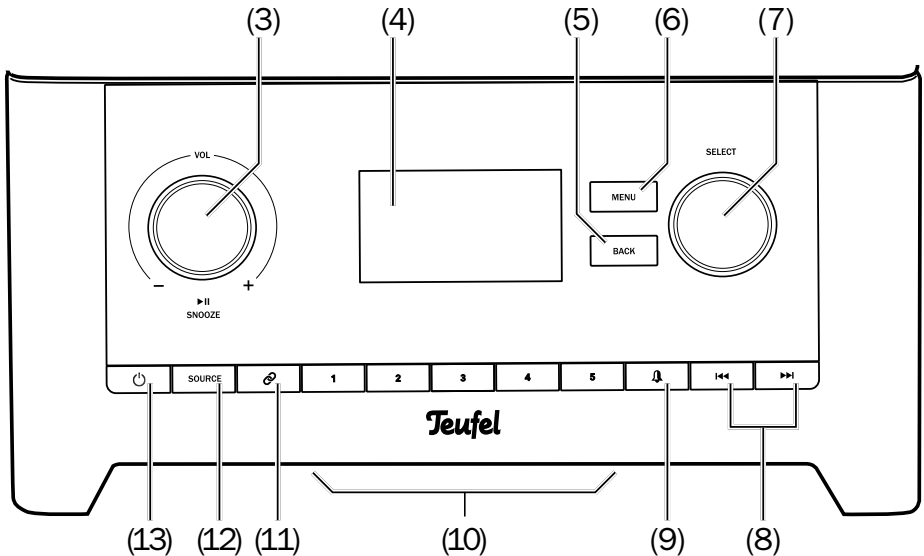
(3) Turn: Adjust the volume
Push: Playback/pause,
snooze (alarm)

(4) Display panel

(5) Go back one menu

(6) Access the menu

(7) Turn: Select
Push: Confirm

(8) Skip forward/backwards

(9) Set the alarm time and end the alarm

(10) 1–5 – favourite station memory

(11) Start Bluetooth® pairing, terminate an existing connection

(12) Select a source

(13) ⏻ – switch the device on and to standby mode

Back side
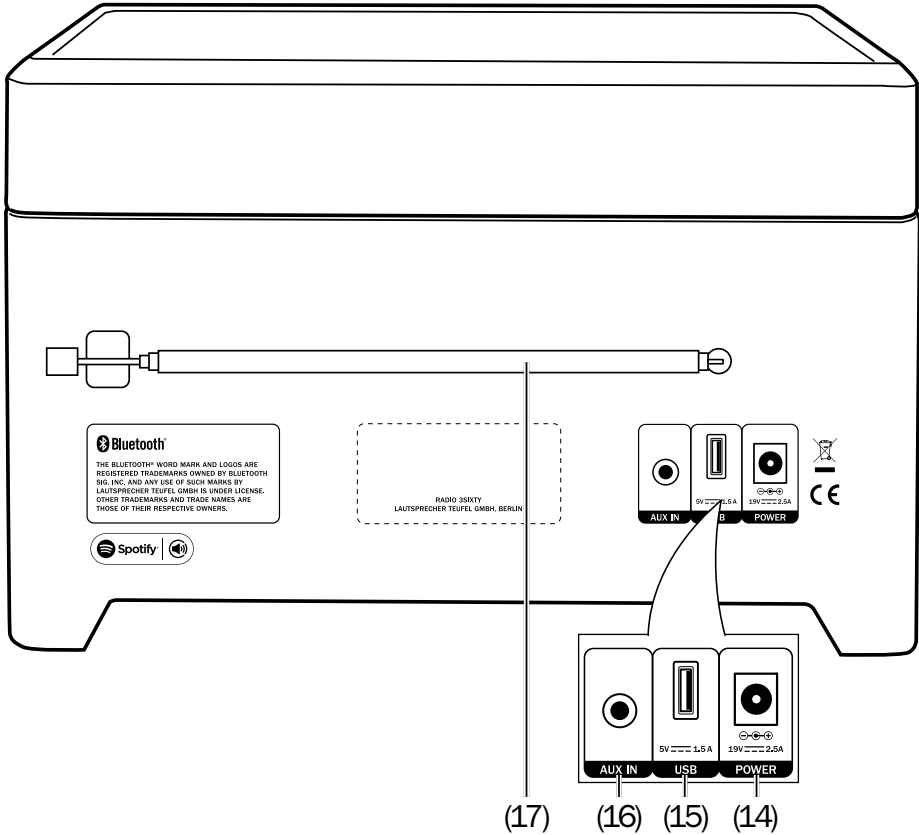
(14) POWER – connector jack for the mains adapter (2)
(15) USB port for playing back music files and for the power supply of playback devices (5 V, 1.5 A).
(16) AUX IN – input jack for analogue audio source device
(17) Telescopic antenna

The display panel

The date and time are displayed in standby. If enabled, the set alarm time(s) are also displayed here. The Wi-Fi symbol indicates that there is a connection to the local network.
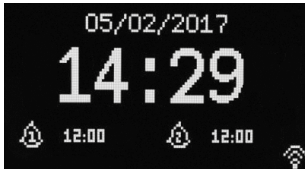
During playback, the display panel is divided into three sections: At the top, it shows the source and time, in the middle playback information and at the bottom, the status of the alarm times, source and wireless connections.

Symbols on the display panel

Symbol	Description
▷◁ ▒	Radio: Stereo, signal strength
📶	Wi-Fi active, flashing: Connection being established
✳	Bluetooth active, flashing: Connection being established
☐ ❚❚	Playback: Stop/pause
↱	Repeat
✕	Random playback
⚠	Alarm time active
⏱15	Sleep timer (15 min.)
⚠	Network error (see page 35)

Set up/Connection

If the device is subjected to warm temperatures after being cold (e.g. after transport), condensation may occur inside of it.

– *In this case, wait approx. 2 hours before you connect and activate it.*

Location tips

• Select a stable, level base.

• Make sure that the environment is clean and free from dust.

• Select a location away from heat sources and direct sunlight.

• Do not place any heavy objects on the cables or the device.

⚠ **CAUTION**

Risk of injury/damage!

– *Lay the cables so that they do not pose a tripping hazard.*

Power supply

1. Insert the small plug of the enclosed mains adapter **(2)** in the POWER jack **(14)**.

(2)

(14)
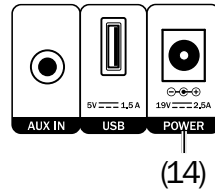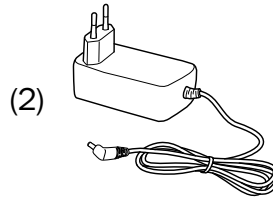
2. Connect the mains adapter to a mains power socket. The lettering "TEUFEL" will appear on the display panel **(4)**. Afterwards, you will see the date and time – since the clock has not yet been set, zero is displayed for all digits.

(4)
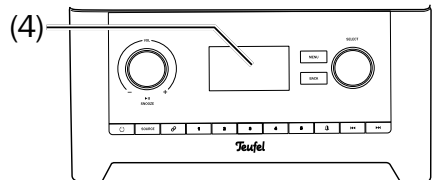
Setup Wizard

The first time it is turned on or after being reset to the factory default settings, the Radio 3sixty requires some network information. You specify them in the setup wizard.

To select menu items and set the parameters, turn the SELECT control **(7)** and push the control to confirm.

You can go back one individual step with the BACK button **(5)**.
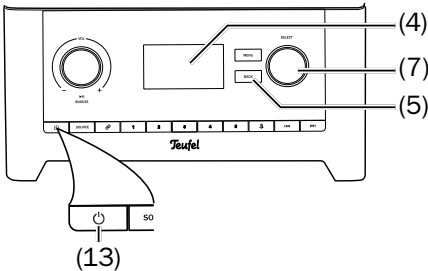
1. Switch on the Radio 3sixty by pushing the button ⏻ **(13)** and wait until "Setup wizard – Start now?" appears on the display panel.

2. Select "YES" with the SELECT control **(7)** and push the control.

3. Set the display format for the time: 12 hours (with AM/PM) or 24 hours.

4. Select how the time should be set:
   - via DAB radio;
   - via FM radio (RDS);
   - via the Internet – enter the time zone and summer/winter time here in the next step.
   - No update – enter the date and time here.

5. With the setting "Keep network connected", you determine whether the Radio 3sixty switches Wi-Fi off ("NO") or leaves it on ("YES") in standby so that it can be switched on via the network.

6. Select the region for your Wi-Fi now so that the correct standards are applied.

7. The Radio 3sixty will look for available Wi-Fi networks and display them as a list after a short time.
   - **[WPS]** – displays networks with WiFi protected setup. It is very easy to establish a connection with them with the push of a button or by entering the PIN.
   - **[Rescan]** – starts a new search.
   - **[Manual config]** – with this menu item, you can enter all data yourself – only intended for special applications.

8. Select your Wi-Fi network from the list.

– **With password (WPA/WPA2)**:

```
Password:
[█        ]
0123456789.,-0, [ BKSP ]
 abcdefghijklmn
opqrstuvwxyzABC [  OK  ]
DEFGHIJKLMNOPQR [CANCEL]
```

Enter the password. Select a character with the SELECT control **(7).** Pushing the control adopts the character in the top of the input line.
[BKSP] deletes the last character,
[OK] ends input,
[CANCEL] aborts the process.

– **With WPS**: Here, you can choose from three options:

• Push Button (WPS-PBC) – start establishing a connection for your Wi-Fi access (router) and push the SELECT control **(7)** within 2 minutes on the Radio 3sixty.

• PIN (WPS-PIN) – the Radio 3sixty displays a code. Enter this code on your Wi-Fi access (router).

• Skip WPS – with this, you enter the password as described previously.

The Radio 3sixty will now connect to Wi-Fi and then return the message "Connected".

– Finish by pushing the SELECT control **(7)**.

The setup wizard is now complete. The Radio 3sixty displays the "Source" menu.

Operation

Activating and deactivating

– Switch the Radio 3sixty on or to standby with the button ⏻ **(13)**.

• After switching the device on, the last active audio source and volume will be set.

• If the Radio 3sixty does not receive an audio signal for more than 20 minutes, it will automatically switch to standby.

Selecting a source

– In the "Source" menu, you select the desired source directly.

– By repeatedly pushing the SOURCE button **(12)**, you select the source in this order:

  • Internet radio – reception of radio stations from around the world; only possible with an Internet connection (see „Internet Radio" on page 23).

  • Spotify – a music streaming service, premium membership required (see „Spotify Connect" on page 33).

  • USB and Network – playback from USB storage devices and UPnP/DLNA sources via the network (see „USB and Network" on page 26).

• DAB – digital radio reception (see „DAB/DAB+" on page 29).

• FM – analogue radio reception (see „FM (USW)" on page 30).

• Bluetooth – digital source via wireless connection (see „Bluetooth® Mode" on page 31).

• AUX in – analogue source via the AUX IN jack **(16)**.

The selected source will appear on the display panel **(4)**.
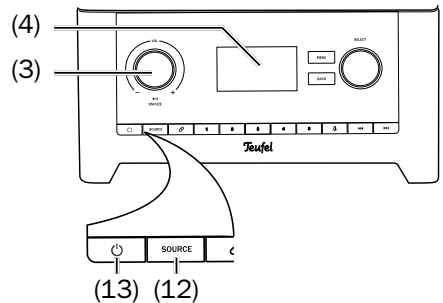
Adjusting the volume

• Turn the VOL control **(3)** anticlockwise to decrease it and clockwise to increase the volume. While making the setting, the current value will be displayed on the display panel **(4)** as a number and as a graphic.

ℹ️ The volume setting of an external player often affects the volume of the Radio 3sixty.

SOURCE		**Internet Radio**		My Favourites		
	MENU	Last listened		Local Germany		Search stations
		Station list >		Stations		
		System settings >		Potcasts		Search Podcasts
		Source >		My Added Stations		
				Help		

SOURCE		**Spotify**
	MENU	System settings >
		Source >

SOURCE		**USB and Network**		
	MENU	Shared Media >		List of Media-Servers
		USB playback >		List of files on USB
		My playlist >		List of titles on the playlist
		Repeat play: Off		
		Shuffle play: Off		
		Clear my playlist		
		Prune servers		
		System settings >		
		Source >		

SOURCE		**DAB**		
	MENU	Station list >		List of known stations
		Scan		List of frequency blocks
		Manual tune >		DRC high
		Prune invalid		DRC low
		DRC Dynamic range con >		DRC off
		Station order >		Alphanumeric
		System settings >		Ensemble
		Source >		Valid

SOURCE		**FM**
	MENU	Scan setting
		Stereo setting
		System settings >
		Source >

SOURCE		**Bluetooth**
	MENU	BT disconnect
		System settings >
		Source >

SOURCE		**AUX**
	MENU	System settings >
		Source >

The Menu

The functions of your Radio 3sixty are configured via the menu.

(6)
(7)
(5)
(4)
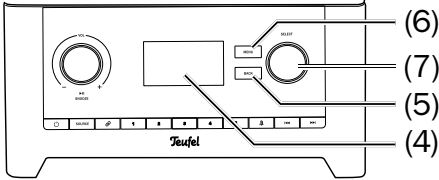
– The menu will appear on the display panel **(4)**.
– To access the menu, tap the MENU button **(6)**. Thus, you will access the submenu of the active source. In each of these submenus, there are direct links to the menus "Source" and "System settings".
– To select menu items and set the parameters, turn the SELECT control **(7)**.
– Push the control to confirm.
– You can go back one individual step with the BACK button **(5)**.
• The Radio 3sixty will return to normal operation after 30 seconds of button inactivity.

You will find an overview of the menu system on the side.

Source
Internet Radio
Spotify
USB and Network
DAB
FM
Bluetooth
AUX in
Standby timer
Alarms
System settings   >

System settings
Equalizer   >
Network   >
Time/Date   >
Language   >
Factory reset
Software update   >
Service
Setup wizard
Info
Backlight

Alarms

Alarm 1: On [06:30]
Alarm 2: Off [00.00]

Enable:
Time: HH:MM
Date: (only when „Enabled:
Once") TT:MM:JJJJ
Source:
Preset: Last listened
Volume: 18
Save

Off
Daily
Once
Weekends
Weekdays

Buzzer
Internet radio
Spotify
DAB
FM

(not with „Buzzer")
Favourites 1-4

Normal
My EQ
My EQ profile setup   >

Bass (−10 to +10)
Treble (−10 to +10)
Loudness (On/Off))

Network wizard
PBC Wlan setup
View settings
Wlan region   >
Manual Settings
NetRemote PIN Setup
Network profile   >
Clear network settings   >
Keep network connected

Set Time/Date
Update time   >
Set format
Set timezone   >
Daylight savings

Update time from DAB
Update time from FM
Update time from NET
No update

English
German

Time after Standby is
activated
On level
Standby level

Standby activation

This function allows the Radio 3sixty to switch itself off after a preset period of time.

1. In the "Source" menu, select the item "Standby timer". The message "Sleep off" will appear on the display panel **(4)**.

2. With the SELECT control **(7)**, set the desired time to shut-off between 15 and 60 minutes in increments of 15 minutes. The "Sleep off" setting deactivates the sleep function.

3. Start the desired playback.

The Radio 3sixty will switch to standby after the preset time has elapsed.

Alarms

If the device is on, you can access the "Alarms" menu directly by pushing the button 🔔 **(9)**.

The alarm function offers two alarm times each with the following settings:

- Activated: Off, Daily, Once, Weekends, Workdays.
- Date/time.
- Source: Buzzer, Internet radio, Spotify, DAB, FM.
- Programme: (not with the "Buzzer" source) favourites 1–4.
- Volume.

For example, you can have the alarm wake you up on work days at 7:00 a.m. with the FM radio and the volume set to 9.

– After setting the alarm time, select the bottom menu item "Save" to activate it.

An active alarm clock is indicated with a bell symbol "🔔" on the display panel when the device is on. The alarm time is also shown in standby.

In standby, switch the alarms on and off one after another by pushing the 🔔 button **(9)**.

– To keep sleeping, push the VOL control **(3)** – the sleep time on the display panel will increase from 5 to 30 minutes each time you push the control.

– To deactivate the alarm clock, push the 🔔 button **(9)** or the ⏻ button **(13)**.

System settings

Network

In this menu, you can set the parameters for the Wi-Fi connection.

Network wizard

The network wizard will show a list of the available Wi-Fi networks from which you select your network. It is part of the setup wizard and is described on page 14 from step 6 on.

PBC Wlan setup

Connects the Radio 3sixty to the network by pushing the WPS button on the router.

Display settings

Shows the parameters for the current Wi-Fi connection.

Wlan region

Here, you can set the region in which you are operating the Radio 3sixty so that the correct standards are applied.

Manual Settings

In this menu, you can manually enter all required data for a Wi-Fi connection.

NetRemote PIN setup

You can define the four-digit PIN here, which is required to access the web interface (see „The radio portal" on page 25). Default setting: "1234".

Network profile

The Radio 3sixty will save the last four Wi-Fi connections in order to automatically reconnect when changing the location. In this menu, you can display these Wi-Fi connections and delete them as desired.

Reset network settings

Here, you delete all saved Wi-Fi connection settings.

Keep network connected?

With this setting, you can set whether the Radio 3sixty switches Wi-Fi off ("NO") or leaves it switched on ("YES") in standby. Select "YES" to be able to switch the device on via Wi-Fi. This function is a prerequisite for being able to use network playback without interruption.

Time/Date
Set Time/Date

Set the date and time manually here.

Update time

Here, you can set how the time should be automatically set:

- via DAB radio;
- via FM radio (using RDS);
- via the Internet – enter the time zone and summer/winter time here in the next step;
- No update – enter the date and time manually.

Format

Set the display format for the time here: 12 hours (with AM/PM) or 24 hours.

Only for an update via the Internet:
Set timezone

Select your time zone from the list.

Daylight savings

You can switch the summer time on and off here.

Language

Select the language for the display.

Factory reset

This clears all modified settings:

The Radio 3sixty will restart and restore the default settings in the process.

Software update
Auto update

You can switch automatic updating of the firmware version on and off here.

Check now

The Radio 3sixty immediately checks whether there is a new firmware version available.

NOTICE

Risk of damage!

– During an update, the Radio 3sixty must not be disconnected from the power supply!

Service

Only for service: The Radio 3sixty is switched to DFU mode here.

Setup wizard

You launch the setup wizard here (see page 14).

Info

Displays the versions of the system programmes and the ID of the Radio 3sixty.

Backlight

Here, you set the brightness of the display panel.

Time after Standby is activated – duration of illumination in standby: Always "on" or switch to standby level after 10–180 seconds.

On level – High, Medium, Low

Standby level – Medium, Low, Off

Internet Radio

The Radio 3sixty can receive thousands of radio stations and podcasts from around the world via the Internet.

Prerequisite: Wi-Fi connection with Internet access.

To receive Internet radio, the Radio 3sixty requests a list of the available stations, which has already been broken down into different categories (e.g. Pop, Jazz, Country) from the "Frontier Silicon Internet Radioportal".

When you select a station, the Radio 3sixty directly connects to the station via the Internet.

You can also register on this portal in order to compile an own list of your favourite stations and download it to your device or to multiple devices (see page 25).

– Push the SOURCE button **(12)** repeatedly until "Internet radio" appears on the display panel or select it in the "Source" menu.

Selecting stations

– Push the MENU button **(6)** to select the submenu for Internet radio:

Last listened – the last stations heard are listed here.

Station list – you can find different lists of the portal here, including your favourites.

The portal lists are regularly updated and can change as a result.

In the list of stations, there is a search function for "Stations" and "Podcasts":

– Select "Search stations" in the respective menu.
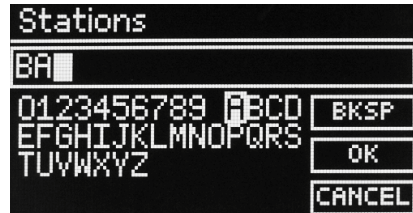
– Select a character with the SELECT control **(7)**. Pushing the control adopts the character in the input line.
[BKSP] deletes the last character,
[OK] ends input,
[CANCEL] aborts the process.
The Radio 3sixty will now scan for stations whose name contains the search term and it will display them in a list.

– If the station you searched for cannot be found in a list, you can add stations via the radio portal, which then appear in the list "My Added Stations" (see „The radio portal" on page 25).

Playback

– From one of the lists, select the desired station with the SELECT control **(7)** and push the control. Playback will begin after a short loading time.

```
Internet radio        4:19PM
Bayou 106.7
Acadiana's Radio Fais Do
Do Bayou 106.7, We are
the Sound of Acadiana...
            P1              📶
```

– If the station provides more information about the programme and/or the current track, you can have it displayed by repeatedly pushing the SELECT control **(7)**.

– Pushing the VOL control **(3)** interrupts playback:

  • With podcasts, playback is paused – this is indicated by the pause symbol (❚❚) in the status section of the display panel.

  • With radio stations, the programme continues to run, only the sound is switched off – this is indicated by the stop symbol (☐) in the status section of the display panel.

– Pushing the control again resumes playback.

– By turning the SELECT control **(7)**, you access the previous list where you can select another station.

– You can go back to the respective parent list by repeatedly pushing the BACK button **(5)**.

– Pushing and holding the SELECT control **(7)** adds the current station to your list of favourites.

Station buttons

In Internet radio mode, you can assign one station to each of the station buttons 1–5 **(10)** and access them later on with the push of a button.

– To save the station that you have currently set, push the desired station button until the message "Station saved" appears on the display panel.

– To access it, tap the desired station button in Internet radio mode.

The radio portal

Via the Frontier Silicon Internet Radi-oportal, you can organise your favour-ites, add new radio stations and play stations directly on your PC. Access this address with your web browser:

http://www.wifiradio-frontier.com

3. Register on the radio portal. For this, you will need:
   - the access code,
   - your e-mail address
   - a new password
   - the model designation "Radio 3sixty"

To register on this page, you will need an access code, which is generated by your Radio 3sixty and is only valid for a few minutes:

1. In the "Internet radio" menu, select the items "Station list -> Help -> Get access code".
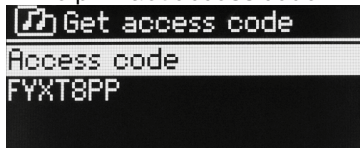
2. Note the seven-digit code.

If you have already registered on the radio portal and would like to add this Radio 3sixty as an additional device, log on with your user data and access "My specifications". There you can add further devices, for which you will need the access code of the device again.
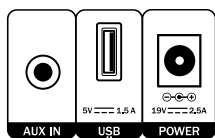
You can then synchronise your favourites on all registered devices.

USB and Network

With this, you can play the audio files of the formats MP3, WMA, AAC, WAV and FLAC from USB storage devices and from the local network.

USB

You can connect conventional USB sticks and USB hard drives with the specifications USB 1.0 to 3.0, which are formatted to "FAT32", to the USB port **(15)**.

(15)

Insert the USB stick or the plug of your USB device in the USB jack. The plug only fits the jack in one orientation.

As soon as the Radio 3sixty recognises the storage device, the following notice will appear on the display panel: "USB disk attached – Open folder?".

– Select "YES" with the SELECT control **(7)** and push the control. The file list for the USB storage device will now be shown.

If the USB storage device has been connected for a prolonged period, you can access the file list as follows:

1. Push the SOURCE button **(12)** repeatedly until "USB and network" appears on the display panel or select the corresponding item in the "Source" menu.

2. In the menu, select the "USB" item. The file list for the USB storage device will appear after a short time.

Proceed as described under "Playback" further down.

Network

Prerequisites: Wi-Fi connection and option "Keep network connected" are enabled (see page 21).

As a DMP (digital media player), the Radio 3sixty is able to connect to any local UPnP/DLNA digital media server (DMS) via the network and play back audio media provided there. DMS are available as programmes for all phone and PC operating systems. Some network drives (NAS) and routers also have such functions.

For DMP operation, you will need a corresponding server in your network.

1. Push the SOURCE button **(12)** repeatedly until "USB and network" appears on the display panel or select the corresponding item in the "Source" menu.

2. In the menu, select the item "Shared media". A list of the available servers will appear after a short time.

   • If your DLNA server is not shown, make sure that your server is online.

   • A question mark as the first character in the name means that this server is currently unavailable, but it may be switched on via "Wake on LAN". As soon as you select such a server, the attempt will be made to activate it via the network.

3. Select the desired server with the SELECT control **(7)** and push the control. Now, the playlist for the server will be shown. In many cases this is a selection of media types at first. The Radio 3sixty can only play back audio data – in most cases, this list is referred to as "Music". Other lists are often located behind it.

Playback

– Select the first track of your choice from the list and start playback by pushing the SELECT control **(7)**.

– If the server provides more information about the current track, you can have it displayed by repeatedly pushing the SELECT control **(7)**.

– Pause playback: Push the VOL control **(3)**.

– Continue playback: Push the VOL control **(3)** again.

– Play next track:
Tap the button ▶▶ı **(8)**.

– Restart the current track:
Tap the button ı◀◀ **(8)**.

– Play previous track:
Tap the button ı◀◀ **(8)** twice.

– By turning the SELECT control **(7)**, you can access the previous list where you can select another track.

– You can go back to the respective parent list by repeatedly pushing the BACK button **(5)**.

– Pushing and holding the SELECT control **(7)** adds the current track to your playlist.

My playlist

You can find the playlist in the "USB and network" submenu. You can also add tracks from different servers to this list and play them.

– To delete the playlist, access the menu item "Clear my playlist".

Repeat play

With this menu item, you activate and deactivate the repeat function for the current list. When the function is switched on, the symbol ⬆ appears in the status line.

Shuffle play

With this menu item, you switch the random playback of all tracks in the current list on and off. When the function is switched on, the symbol ⤬ appears in the status line.

Prune servers

With this menu time, you delete servers that are not available (those that have a question mark as the first character in the name) from the list of servers. This may be necessary e.g. after changing location.

DMR

As UPnP/DLNA DMR (digital media renderer), the Radio 3sixty will provide its playback functions on the network and can be controlled by a digital media controller (DMC).

Prerequisites: Wi-Fi connection and option "Keep network connected?" are enabled (see page 21).

Windows Media Player is one such DMC. You can specify a network playback device for this and other playback programmes – a DMR, for example – where playback is to occur. Specify the Radio 3sixty here and start playback.

You control playback on your DMC. You can also control some functions on the Radio 3sixty:

– Pause playback:
  Push the VOL control **(3)**.

– Continue playback:
  Push the VOL control **(3)** again.

– Play next track:
  Tap the button ►►| **(8)**.

– Restart the current track:
  Tap the button |◄◄ **(8)**.

– Play previous track:
  Tap the button |◄◄ **(8)** twice.

Radio Mode

The Radio 3sixty is equipped with a radio for DAB/DAB+ and FM/USW.

- DAB: Reception of digital radio stations in band III from 174.160 to 239.200 MHz (block 5A to 13F).
- FM: Reception of analogue radio stations in the USW range from 87.5 to 108 MHz, RDS mode is possible.
- 5 memory slots are available for your favourite stations.
- The integrated telescopic antenna **(17)** ensures good reception. To receive radio stations, always pull the antenna all the way out. If applicable, adjust its position for better reception later.

DAB/DAB+

– Push the SOURCE button **(12)** repeatedly until "DAB radio" appears on the display panel or select it in the "Source" menu.

Station list

If the list of stations is empty (e.g. at start-up), the Radio 3sixty will search for radio stations in the DAB/DAB+ range. You can also start this search at any time via the menu with "Scan".

Manual tune

You can manually add frequency ranges (blocks) to the list of stations here.

Prune invalid

With this function, you delete stations from the list of stations whose signal is too weak for clear reception. This may be necessary e.g. after changing location.

DRC

Some stations offer dynamic range compression. Thus, quiet passages are amplified while the volume of loud passages is decreased. This can be helpful when listening in loud surroundings. Possible settings: off, high, low.

Station order

You sort the list of stations here:

- Alphanumeric – by station name.
- Ensemble – by groups of stations.
- Valid – stations with a weak signal or which are not received at all are placed at the end of the list.

Playback

– From one of the lists, select the desired station with the SELECT control **(7)** and push the control. Playback will begin after a short loading time.

– If the station provides more information about the programme and/or the current track, you can have it displayed by repeatedly pushing the SELECT control **(7)**. The signal strength is of particular interest in this respect as you can align the telescopic antenna **(17)** optimally with this.

– By turning the SELECT control **(7)**, you access the previous list where you can select another station.

– You can go back to the respective parent list by repeatedly pushing the BACK button **(5)**.

FM (USW)

– Push the SOURCE button **(12)** repeatedly until "FM radio" appears on the display panel or select it in the "Source" menu.

Setting stations

Set the stations with the SELECT control **(7)**:

– Turning it reduces/increases the receiving frequency by increments of 50 kHz.

– Pushing the control starts the upward or downward station search (depending on the direction the control was last turned). The scan will stop at the next station received in sufficient quality. If necessary, start the scan again until you have found the desired station.

The name of the set station appears on the display panel **(4)**.

Scan setting

Only find stations with a strong signal (Yes/No).

Stereo setting

In case of stations with severe noise, you can switch to mono mode here.

Saving and accessing stations

In radio mode, you can assign five stations to the station buttons 1–5 **(10)** for DAB and FM and then access them later on with the simple push of a button.

– If you would like to save the set station, push and hold one of the station buttons 1–5 **(10)** for approx. 3 seconds. The notice "Preset stored" will appear briefly on the display panel. The station has now been saved to this station button.

– You can access the saved stations by briefly pushing the corresponding station button.

Bluetooth® Mode

Via Bluetooth®, you can wirelessly connect a compatible external player with the Radio 3sixty. The audio output of the external player is then emitted by the Radio 3sixty.

The Bluetooth® wireless transmission system has a range of approximately 10 metres that is limited by walls and furnishings. If the connection is cut off, the Radio 3sixty will attempt to re-establish a connection until you select another source.

NOTICE

– *Only use the Bluetooth® function in locations where wireless radio transmission is allowed.*

– *Please keep in mind that the Bluetooth® behaviour may differ depending on the external player's operating system.*

Bluetooth® options

Depending on the device type, your external player/smartphone may also have a menu for Bluetooth® options such as media playback. Here you can activate and deactivate the desired options. You can find more information about the Bluetooth® options in the user manual for your external player/smartphone.

Pairing

To play the audio of your external player on your Radio 3sixty via Bluetooth®, connect the devices with each other. This is called "Pairing".

1. Enable the Bluetooth® function on your external player (e.g. smartphone).

2. Push the SOURCE button **(12)** repeatedly until "Bluetooth" appears on the display panel or select it in the "Source" menu.

3. Push the 🔗 button **(11)** for approx. one second to start pairing. The Bluetooth® symbol will blink on the display panel.

4. Let your external player/your smartphone search for Bluetooth® devices (see the user manual for the external player to do so). After the search run, the "Radio 3sixty" should also be present in the list of detected devices.

5. Select "Radio 3sixty" from the list of detected devices.

6. If your external player asks for a code, enter "0000" (four zeros).

Pairing is now complete. "Bluetooth" will appear on the display panel and all sounds that would otherwise be played by your external player/smartphone will now be played back by the Radio 3sixty.

Playback

ℹ️ The volume setting of the external player affects the volume of the Radio 3sixty.

1. Push the SOURCE button **(12)** repeatedly until "Bluetooth" appears on the display panel or select it in the "Source" menu.
2. Turn on the Bluetooth® function on your source device.
3. Start playback on your source device.

You can control playback on your source device. You can also control some functions on the Radio 3sixty:

– Pause playback:
  Push the VOL control **(3)**.

– Continue playback:
  Push the VOL control **(3)** again.

– Play next track:
  Tap the button ▶▶︎ **(8)**.

– Restart the current track:
  Tap the button ◀◀ **(8)**.

– Play previous track:
  Tap the button ◀◀ **(8)** twice.

• If your source device is a smartphone, the Bluetooth® connection will be interrupted in the event of an incoming call and you can make phone calls as usual. After finishing your phone call, the sounds will once again be diverted and played back by your Radio 3sixty.

Interruption of connection

If your external player moves out of the range of your Radio 3sixty, the Bluetooth® connection will be interrupted. If you are back within range within 120 seconds, the connection will be re-established automatically.

Terminating the connection

To terminate the Bluetooth® connection,

– disable the Bluetooth® function on your external player/smartphone, or

– access the menu on the Radio 3sixty and select "BT disconnect" or

– select another source on the Radio 3sixty.

Spotify Connect

With Spotify Connect, you can play music from your smartphone, tablet or PC on the Radio 3sixty via the Spotify app.
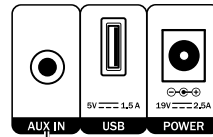
Prerequisite: Wi-Fi connection and Spotify premium account.

1. Push the SOURCE button **(12)** repeatedly until "Connect Spotify" appears on the display panel or select it in the "Source" menu.

2. Open the Spotify app on your smartphone, tablet or PC. Make sure that the device is connected to the same network as your Radio 3sixty.

3. Start a song and click "Available devices".

4. Select your Radio 3sixty and you will immediately hear your music played back via this device.

AUX Input

You can connect a source device with analogue sound and a line out jack or an earphone jack (e.g. a CD player or TV set) to the AUX IN jack **(16)**. You will need a stereo cable with a 3.5-mm jack plug to do so.

(16)

Playback

1. Push the SOURCE button **(12)** repeatedly until "AUX in" appears on the display panel or select it in the "Source" menu.

2. Start playback on your external player.

   i The volume setting of the external player affects the volume of the Radio 3sixty.

3. Control all playback functions via the external player.

Care and Cleaning

External influences may damage or destroy the device.

– *If the device is to be left unsupervised for a prolonged period of time (e.g. during a holiday), or if a thunderstorm is forecast, disconnect the mains adapter from the power socket. Otherwise, sudden overvoltage could cause the device to become defective.*

– *If possible, only use plain water without any additives. In case of stubborn marks, a mild soap solution may be used.*

– *Do not use caustic cleaning products, white spirit, thinners, petrol or similar under any circumstances. Such cleaning agents may damage the delicate surface of the housing.*

- Ideally, you should remove dust or small amounts of dirt with a dry, smooth leather cloth.
- Use a damp cloth to rub off stubborn dirt. Make sure that no liquid penetrates the housing.
- Then immediately wipe the damp surfaces off with a soft cloth without applying pressure.

Troubleshooting

The following advice should help you to solve problems. If this does not help, you will find useful information in the detailed FAQs on our website. Otherwise, please contact our hotline (see page 3). Take note of the warranty instructions.

Problem	Possible cause	Solution
No function	No power supply	Check the function of the socket with another device.
	The small plug of the mains adapter has slipped out	Check the connection of the mains adapter (page 13).
The device doesn't emit any sound	The wrong source has been selected	Select the right source (page 16).
	The volume is set to "0"	Increase the volume.
	The volume of the external player has been set too low	Carefully increase the volume of the external player.
No sound in Bluetooth® mode	No Bluetooth® connection	Establish a connection (see page 31).
	Radio 3sixty has not been selected as the output device	On the external player, select "Radio 3sixty" as the Bluetooth® output device.
	Bluetooth® connection impaired by another radio system (e.g. cordless telephone, Wi-Fi)	Set up the Radio 3sixty and/or external player in another location. Move to another room to test.
No Wi-Fi connection, ⚠ appears on the display panel	Connection to Wi-Fi lost or incorrect parameters received.	Delete the network settings (see "Reset network settings" on page 21), and start the network wizard (see "Network wizard" on page 21).

Network playback (DLNA) cuts out.	Network option "Stay connected?" is not enabled.	Set the option to "Yes" (see"Keep network connected" on page 21).
No connec-tion to Spotify	No premium account	You need a Spotify premium account for playback on the Radio 3sixty.
Playback is noisy.	Generally speaking, the Radio 3sixty is a very low-noise system. In the high range area, very high-resolution speaker systems can expose the poor quality of a signal source (e.g. from MP3 files).	Ensure that the source is sending a clear signal to the Radio 3sixty.

Declaration of Conformity

CE Lautsprecher Teufel GmbH hereby declares that this product complies with the requirements of the directives 2014/30/EU, 2014/35/EU and 2014/53/EU to the extent they are installed and used in accordance with the instructions of the manufacturer. The full text of the EU declaration of conformity is available at the following Internet address:

www.teufelaudio.com/konformitaetserklaerungen.html

The following radio frequency bands and radio transmitting powers are used in this product:

Radio network	Frequency bands in MHz	Transmission power in mW/dBm
Bluetooth®	2.400–2.483.5	2.5/4
Wi-Fi/WLAN	2.399.5-2.484.5	15
	5.150–5.350/5.470–5.725	11

Technical Data

Dimensions (W × H × D)	280 × 170 × 125 mm
Weight	2.5 kg
Operating voltage of the mains adapter	100–240 V~, 50/60 Hz, 1.5 A max.

You can find further technical data on our website. Technical changes reserved!

Teufel

Please contact our customer service department with any questions, suggestions, or complaints: