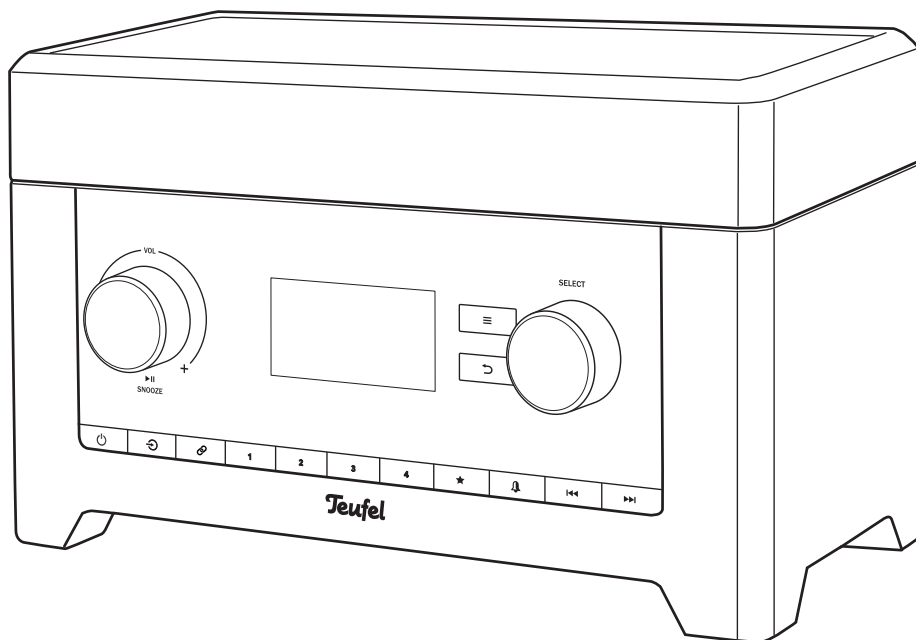# Technical Description And User Manual

RADIO 3SIXTY

Radio with FM, DAB/DAB+, Internet radio, USB playback, Bluetooth®, Spotify® Connect, Amazon Music® and app

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.

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Version 5.0, April 2022

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

Amazon and all related logos and motion marks are trademarks of Amazon, Inc. or its affiliates.

Original packaging

If you wish to exercise your right of return, we ask that you be absolutely sure to hold on to 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.

2. Serial number

Located on the back of the device.

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)

Telephone (freephone):
+800 200 300 40

Online support:
www.teufelaudio.com/service

Contact form:
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:

⚠ WARNING

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

⚠ 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.

⚠ WARNING

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.

⚠ WARNING

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).

- 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.

⚠ WARNING

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.

⚠ WARNING

Swallowing a product battery may result in severe internal injury or even death.

- Store both new and used batteries so that they are not accessible to children.

- If it is no longer possible to safely close the battery compartment, stop using the remote control and store it so that it is not accessible for children.

- If you suspect that a battery has been swallowed or otherwise incorporated, promptly consult a physician.

⚠ CAUTION

Leaking battery acid may lead to chemical burns.

- Do not allow battery acid to come into contact with skin, eyes or mucous membranes. In the event of contact with acid, immediately flush the applicable areas with plenty of clean water and consult a physician if necessary.

⚠ CAUTION

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.

⚠ CAUTION

This product contains magnetic material.

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

⚠ CAUTION

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
⌂	Only use the device indoors.
⚡	Risk of electrical shock – do not open the housing. Disconnect the mains cord before changing a fuse.

Disposal

Old devices must not be disposed of with household waste!

If the RADIO 3SIXTY is no longer operational, every consumer is required by law to dispose of used devices separately from household waste, for example, at a collection point run by the communal authority. This ensures that old devices are recycled in a professional manner and also rules out negative consequences for the environment.

For this reason, electrical equipment is marked with the adjacent symbol.

Batteries and rechargeable batteries do not belong in the household garbage!

Every consumer is required by law to bring all batteries and rechargeable batteries, regardless whether they contain harmful substances* or not, to a collection point run by the communal authority/borough or to a retailer, so that they can be disposed of in an environmentally friendly manner.

Please only turn in batteries and rechargeable batteries which are empty!

*) labelled with:

Cd = cadmium, Hg = mercury, Pb = lead

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

(3) 1× remote control RADIO 3SIXTY RC

(1)

Optional

Teufel Remote App for Android and IOS (see page 30).

Checking the package contents

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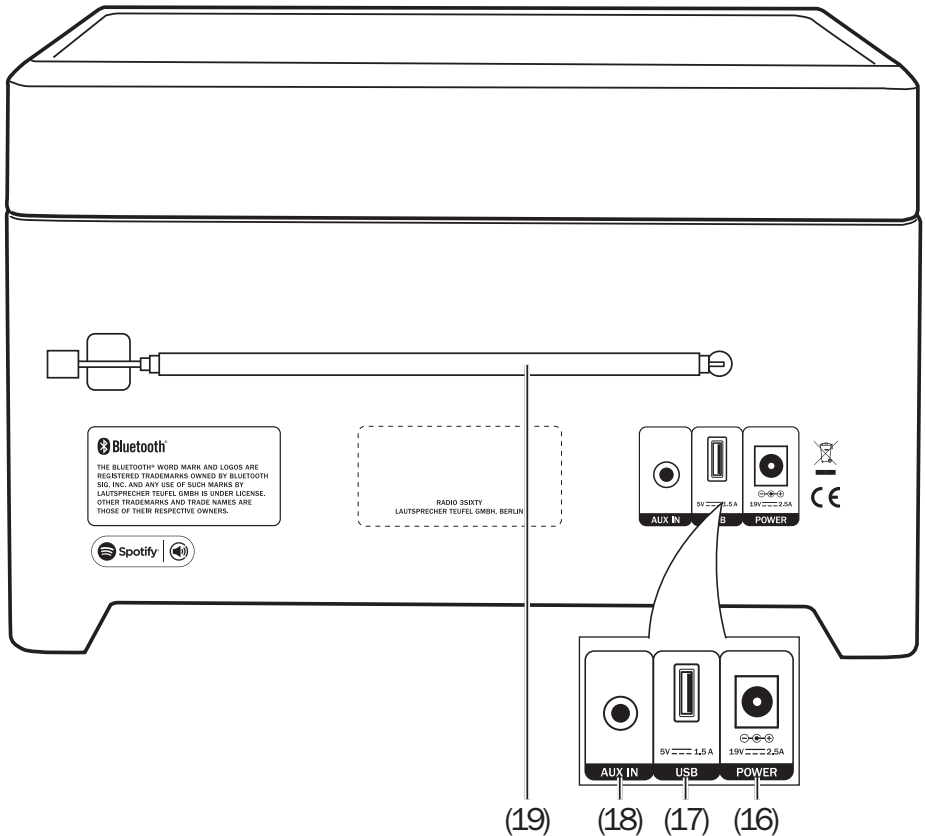- Do not in any case operate the device if it is damaged.

(2)

(3)
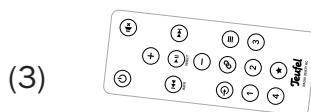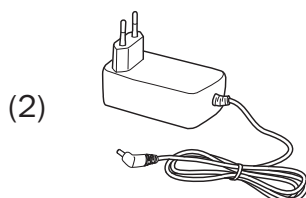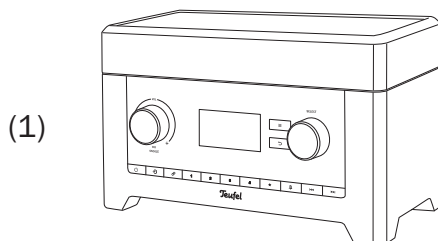
Operational Controls And Connections

Front side

(4)   (5)   (6)   (7)   (8)

(15)   (14)   (13)   (12)   (11)   (10)   (9)
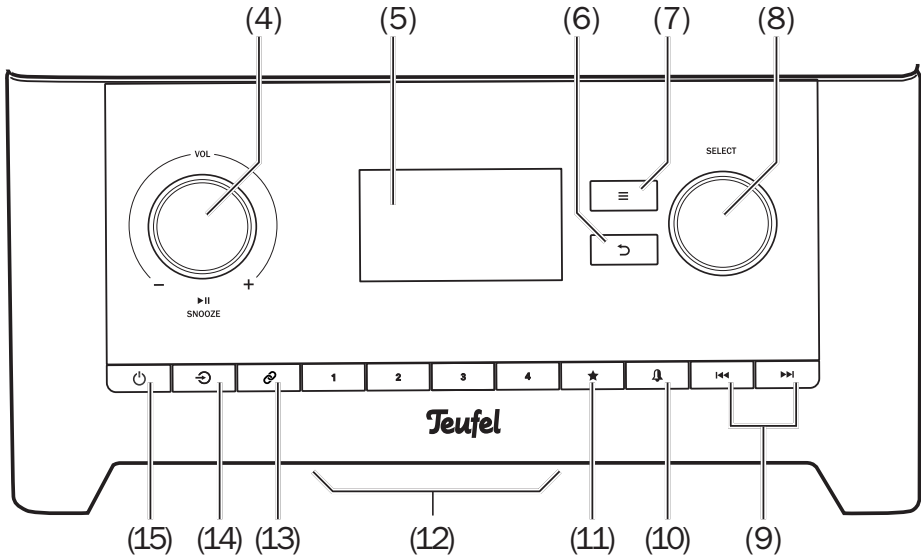
(4) VOL – turn: adjust the volume, push: play/pause, mute, snooze (alarm clock)

(5) Display panel

(6) ↩ – show previous menu item, back

(7) ≡ – access the menu

(8) SELECT – turn: select push: confirm

(9) ⏮/⏭ – brief push: skip forward/backward, change radio station, long push: fast forward/rewind, station scan

(10) 🔔 – set the alarm time and end the alarm

(11) ★ – brief push: access favourites, long push: save favourites

(12) 1–4 – favourite station memory

(13) 🔗 – brief push: Select Bluetooth® as the source, long push: start pairing, terminate existing connection

(14) ⏻ – select a source

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

Back side

THE BLUETOOTH® WORD MARK AND LOGOS ARE
REGISTERED TRADEMARKS OWNED BY BLUETOOTH
SIG, INC. AND ANY USE OF SUCH MARKS BY
LAUTSPRECHER TEUFEL GMBH IS UNDER LICENSE.
OTHER TRADEMARKS AND TRADE NAMES ARE
THOSE OF THEIR RESPECTIVE OWNERS.

RADIO 3SIXTY
LAUTSPRECHER TEUFEL GMBH, BERLIN

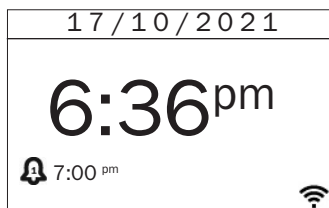5V ⎓ 1.5 A   19V ⎓ 2.5A

AUX IN   USB   POWER

(19)   (18) (17) (16)

(16) POWER – connector jack for
the mains adapter **(2)**

(17) USB port for playing back music
files and for the power supply of
playback devices (5 V, 1.5 A).

(18) AUX IN – input jack for
analogue audio source device

(19) 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.

```
┌─────────────────────────┐
│   1 7 / 1 0 / 2 0 2 1    │
│                         │
│   6:36 pm               │
│                         │
│  🔔 7:00 pm        ((•)) │
└─────────────────────────┘
```

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.

```
┌─────────────────────────┐
│ FM            6:36 p.m.  │
│ Station name            │
│   📡      Radio text    │
│                         │
│ 🔔      ★4 ∞▷◁⊲𝄈 ((•))  │
└─────────────────────────┘
```

Symbols on the display panel

▷◁	Radio: Stereo
𝄈	Radio: Signal strength
∞	Radio: RDS reception
📶	Wi-Fi active, flashing: Connection being established
✳	Bluetooth® active, flashing: Connection being established
🔇	Mute
▪	Playback: Stop
❚❚	Playback: Pause
↻	Repeat
⤬	Random playback
🔔	Alarm time active
★	Favourites 1–30
🌙15	Sleep timer (15 min.)
📡	Network error (see page 45)

Remote control
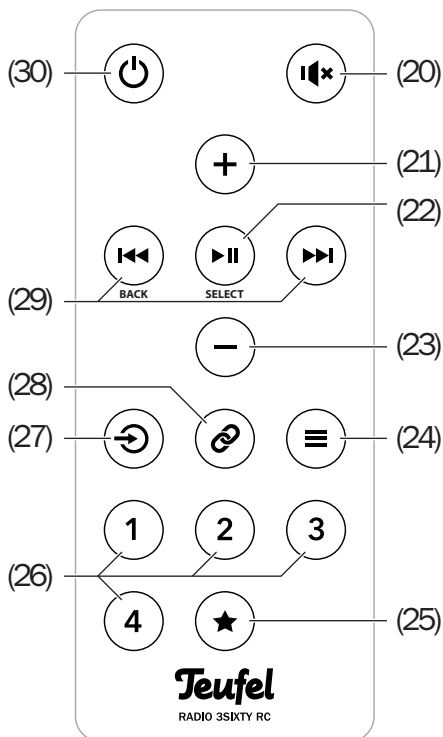
(20) 🔇 – mute speaker (mute)

(21) ✚ – increase the volume, navigate through the menu

(22) ▶❚❚ – confirm menu, control Bluetooth® device and USB/network: start/pause playback, deactivate alarm

(23) ➖ – decrease the volume, navigate through the menu

(24) ☰ – access the menu

(25) ★ – brief push: access station memory, long push: save station

(26) 1–4 – favourite station memory

(27) ⊡ – select a source

(28) 🔗 – brief push: Select Bluetooth® as the source, long push: start pairing, terminate existing connection

(29) ◀◀/▶▶❙ – brief push: skip forward/backward, switch radio station, switch back one menu with ◀◀, long push: fast forward/rewind, station scan

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

⚠ CAUTION

Leaking battery acid may lead to chemical burns.

– Do not allow battery acid to come into contact with skin, eyes or mucous membranes. In the event of contact with acid, immediately flush the applicable areas with plenty of clean water and consult a physician if necessary.

Batteries (particularly lithium batteries) can explode if used improperly.

– Never attempt to recharge batteries.

– Only use batteries of the same or equivalent type.

– You must not heat or short circuit batteries and rechargeable batteries or dispose of them in fire.

– Do not expose batteries and rechargeable batteries to direct sunlight.

Battery

In order to operate the remote control, you will need a battery of type CR 2032. When delivered, the battery has already been inserted.

– Pull the plastic strip out of the remote control. The remote control is now ready for use.

You should change the battery if the remote control stops working properly or after 2 years at the latest:

1. To open the battery compartment, gently push on the ribbed surface of the cover and slide the cover down.
2. If applicable, remove the old battery and dispose of it in an environmentally-friendly manner (see page 9).
3. Place the new battery into the battery compartment so that the positive pole (+) is pointing up.
4. Push the cover back into a closed position – it will lock into place with an audible click.

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.*

Protective film

Upon delivery, the display panel is protected with a film, which also acts as a quick guide.

You can pull the protective film off:
1. Switch the RADIO 3SIXTY off.
2. Take hold of the film by the red tab on the top left and slowly pull the film off diagonally downwards.

Power supply

1. Insert the small plug of the enclosed mains adapter **(2)** in the POWER jack **(16)**.
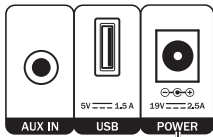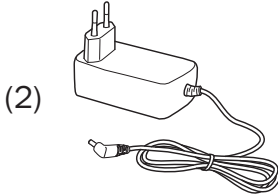
2. Connect the mains adapter to a mains power socket.
The lettering "TEUFEL" will appear briefly on the display panel **(5)**.
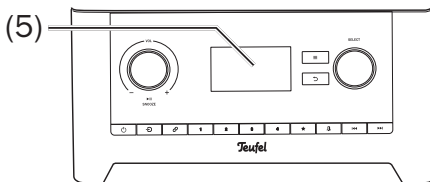
3. When you switch on the device for the first time, the setup wizard will start (see the next page).

Activating and deactivating

– Use the button ⏻ **(15)**/**(30)** to switch the RADIO 3SIXTY on or to standby.

• 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 20 minutes, it will automatically switch to standby.
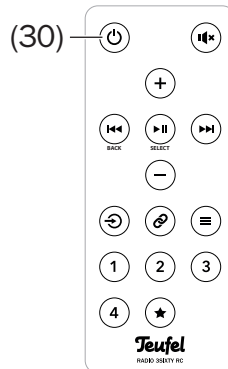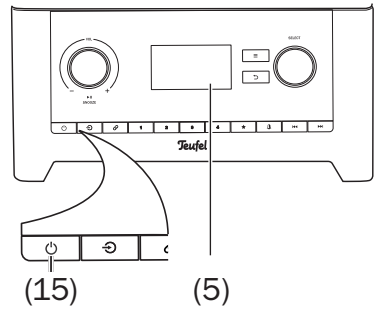
Setup Assistant

The first time it is turned on or after being reset to the factory default settings, the RADIO 3SIXTY requires some network information. You will provide this information in the Teufel Remote App (see page 30) or in the setup assistant:

– To select menu items and set the parameters, turn the control SELECT **(8)** or use the buttons **+ (21)** and **– (23)**.

– To confirm, push the control SELECT **(8)** or the button ▶❙❙ **(22)**.

– You can go back one step with the button ↺ **(6)** or ❙◀◀ **(29)**.

1. Turn the RADIO 3SIXTY on.

2. Select the display language: Deutsch or English.

3. Data protection information will appear on the display panel **(5)**. You can access the privacy policy using this link: www.frontiersmart.com/privacy/

4. The setup assistant will start and ask "Start setup now?". Select "YES" with the control SELECT **(8)** and push the control.

5. Next, you decide whether to do the setup in the Teufel Remote App or with the device.

 • Select "APP" if you would like to do the setup conveniently with the Teufel Remote App on your smartphone or tablet. Follow the instructions on the screen and on page 30.

 • Otherwise, select "DEVICE" and proceed as follows:

6. Set the display format for the time: 12 hours (with AM/PM) or 24 hours.
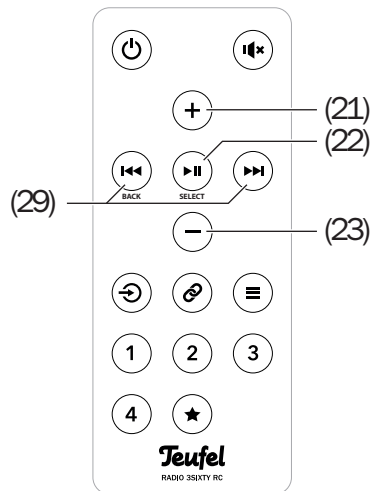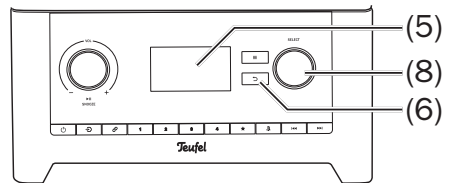
7. Select how the time should be set:
   - via DAB radio;
   - via FM radio (RDS);
   - via the Internet – select the time zone and turn summer time "On" or "Off" here in the next step;
   - no update – enter the date and time here.
8. With the setting "Network standby", you can set whether the RADIO 3SIXTY switches Wi-Fi off ("NO") or leaves it on ("YES") in standby so that it can be switched on via the network.
9. The RADIO 3SIXTY will search 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 enter all data yourself – only intended for special applications.
10. Select your Wi-Fi network from the list.
11. You can now select the type of connection to be established:
– With password (WPA/WPA2):

```
Key:
┌─────────────────────────────┐
│                             │
├─────────────────────────────┤
│ ■                           │
│ 0 1 2 3 4 5 6    ┌────────┐ │
│ 7 8 9 . _    @   │  BKSP  │ │
│ ,   a b c d e    ├────────┤ │
│ f g h i j k l    │   OK   │ │
│ m n o p q r s    ├────────┤ │
│                  │ CANCEL │ │
│                  └────────┘ │
└─────────────────────────────┘
```

Enter the password:
– Use the control SELECT **(8)** or the buttons
   + **(21)** (up),
   – **(23)** (down),
   I◄◄/►►I **(29)** (left/right)
   to select a character.
– By pushing the control SELECT **(8)** or the button ►II **(22)**, you enter the character at 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 a button – start establishing a connection for your Wi-Fi access (router) and push the control SELECT **(8)** within 2 minutes on the RADIO 3SIXTY.
   - 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 briefly return the message "Connected".

– Finish by pushing the control SELECT **(8)**.

The setup assistant is now complete. The RADIO 3SIXTY displays the main menu.

Operation

ℹ️ You can control all important functions of the RADIO 3SIXTY with the Teufel Remote App (see page 30).

Selecting a source

– With the button ⊅ **(14)/(27)**, you can access the source menu: Here, the sources are shown as symbols on the display panel **(5)**.

– Select the desired source with the control SELECT **(8)** and briefly push the control.

– On the remote control, select the source with the buttons ▌◀◀/▶▶▌ **(29)**, access the source with the button ▶❚❚ **(22)**.

Internet radio: Reception of global radio stations, only possible with an existing Internet connection (see page 31)

Podcasts: international media content (e.g. news, recordings of radio broadcasts, music programmes, etc.) that can be accessed at any time on the Internet, irrespective of broadcasting times (see page 31)

Amazon Music®: a music streaming service (see page 42)

Spotify®: a music streaming service (see page 43)

USB music player: playback from USB storage devices (see page 37)

DAB radio: digital radio reception (see page 33)

FM radio: analogue radio reception (see page 35)

Bluetooth®: digital source via wireless connection (see page 40)

Aux In: analogue source via the AUX IN jack **(18)** (see page 43)

The selected source will appear on the display panel **(5)**.

– You can also select the source in the "Source" menu.

(8)
(5)
(14)
(21)
(22)
(23)
(27)
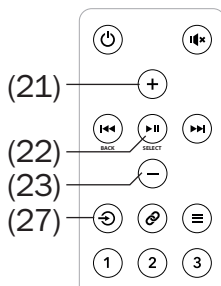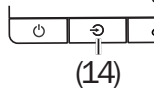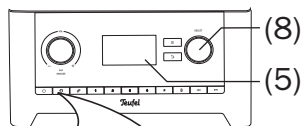
Overview of the source submenu

Internet radio
- Last listened
- Station list >
  - Germany
  - Search
  - Location
  - Popular
  - Discover

Podcasts
- Last listened
- Podcast list >
  - Germany
  - Search
  - Location
  - Discover

Amazon Music
- The submenu is provided by Amazon.

Spotify
- (no special submenu)

USB
- USB playback >
  - USB file list
- My Playlist >
  - Title of the playlist
- Repeat play: Off
- Shuffle play: Off
- Clear My playlist

DAB
- Station list >
  - List of available stations
- Scan
- Manual tune >
  - List of frequency ranges (blocks)
- Prune invalid
- DRC >
  - DRC high
  - DRC low
  - DRC off
- Station order >
  - Alphanumeric
  - Ensemble

FM
- Scan setting
  - Strong stations only? YES/NO
- Audio setting
  - Listen in Mono only? YES/NO

Bluetooth
- Bluetooth Pairing
- View Details

AUX Input
- (no special submenu)

Adjusting the volume

– Increasing the volume: Turn the control VOL **(4)** clockwise or push the button + **(21)**.

– Decreasing the volume: Turn the control VOL **(4)** anticlockwise or push the button – **(23)**.

While making the setting, the current value will be displayed on the display panel **(5)** as a number and as a graphic.

$\boxed{\mathbf{i}}$ The volume setting of an external player often affects the volume of the RADIO 3SIXTY.

Mute

– Use the button ◀× **(20)** to turn the sound off.
The message "Mute" will appear briefly on the display panel **(5)** and the symbol ⊄ will appear in the status line.

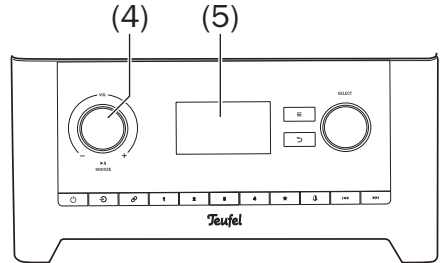– To turn the sound back on: Push the button ◀× **(20)** again or change the volume.

– You can also turn the sound on and off by pushing the control VOL **(4)**. During Bluetooth®, USB media player and podcast playback, playback is stopped in the process. With all other sources, only the sound will be switched off.
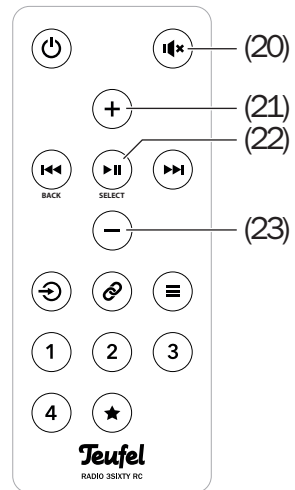
Sound

Set the sound (bass and treble) in the "Equalizer" menu (see page 27).

(4)   (5)

(20)
(21)
(22)
(23)

The Menu

Use the menu to configure the functions of your RADIO 3SIXTY.

You can also set numerous parameters in the Teufel Remote App (see page 30).

The menu is shown on the display panel **(5)**.

– To access the menu, tap the button ≡ **(7)**/**(24)**. 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 control SELECT **(8)** or use the buttons + **(21)** and − **(23)**.

– To confirm, push the control SELECT **(8)** or the buttons ▶II **(22)** or ▶▶I **(29)**.

– You can go back one step with the button ↺ **(6)** or I◀◀ **(29)**.

• The RADIO 3SIXTY will return to normal operation after 30 seconds of button inactivity.

On the next page, you will find an overview of the menu system. All menu items are described on the following pages.

(5) (6) (7) (8)

(21)
(22)
(29)
(23)
(24)

Source

Internet radio
Podcasts
Amazon Music
Spotify
USB
DAB
FM
Bluetooth
AUX in
Standby timer
Alarms
System settings >

Alarm clock

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

System settings

Equalizer >
Streaming quality
Network >
Time/Date >
Language >
Factory reset
Software update >
Service
Setup Asistant
Info
Privacy policy
Backlight >

Normal
My EQ
My EQ profile setup >

Low quality
Normal quality
High quality

Network wizard
WPS setup
View settings
Manual settings
NetRemote PIN setup
Network profile >
Clear network settings >
Network Standby

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

English
Deutsch

Auto-check setting
Check now

Standby fade out time
On level
Standby level

Off
Daily
Once
Weekend
Weekdays

Enable:
Time: HH:MM
Date: (Only in case of
"Enable: once") DD:MM:YYYY
Source:
Preset:
Volume: 0–32
Save

Buzzer
Internet radio
DAB
FM

(not with "Buzzer")
Last listened
Presets 1–30

Bass (−10 to +10)
Treble (−10 to +10)

Update from DAB
Update from FM
Update from NET
No update

"Source" menu

Select the sources according to their name in this menu.

You can also find the two following items in this menu:

Standby timer

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 **(5)**.
2. With the control SELECT **(8)**, set the desired time to shut-off between 15 and 60 minutes in increments of 15 minutes.
   The setting "Sleep OFF" deactivates the 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 🔔 **(10)**.

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

- Enable: off, daily, once, weekend, weekdays;
- Date/Time;
- Source: Buzzer, Internet radio, DAB, FM;
- Preset (not with the source "Buzzer"): Recently heard, presets 1–30;
- 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 **(5)** 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 🔔 **(10)**.

When the alarm time has been reached, the RADIO 3SIXTY will switch on and play back the desired source. The bell symbol will blink on the display panel.

– To sleep on, push the control VOL **(4)** – the snooze 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 🔔 **(10)** or the control SELECT **(8)**.

"System settings" menu

Equalizer

Here you can configure the sound:

- Normal: unchanged sound
- My EQ: Your sound setting
- My EQ profile setup: Here, you can adjust the bass and treble within a range from −10 dB (decrease) to +10 dB (increase).
  Once changed, you can confirm the new values with "Yes".

Streaming quality

You can define the sound quality for transmissions from the Internet here. The better the quality, the greater the amount of data that is transferred. Possible settings: low, normal, high quality.

You should use the high quality to the extent possible. Only switch to one of the lower levels if there are glitches during playback or if you have to pay attention to data consumption.

Network

In this menu, you can manually 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 19 from step 9 on.

WPS setup

Connects the RADIO 3SIXTY to the network by pushing the WPS button on the router.

View settings

Shows the parameters for the current Wi-Fi connection.

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.
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.

Clear network settings

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

Network Standby

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:

- Update from DAB;
- Update from FM (using RDS);
- Update from NET – select the time zone and turn summer time "On" or "Off" here in the next step;
- No update – enter the date and time manually here.

Set format

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

Only for an update from NET (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: Deutsch or English.

Factory reset

This clears all modified settings:

The RADIO 3SIXTY will restart and restore the default settings in the process.

Software update

Auto-check setting

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.

To end DFU mode, briefly disconnect the RADIO 3SIXTY from the mains.

Setup Assistant

You launch the setup assistant here (see page 18).

Info

Displays the versions of the system programmes and the ID of the RADIO 3SIXTY.

Data privacy

You will find the link to the privacy policy here:
www.frontiersmart.com/privacy/

Backlight

Here, you set the brightness of the display panel.

Standby fade Out Time – duration of illumination in standby: Always on ("No Fade Out") or switch off after 10 – 180 seconds.

On level – high, medium, low

Standby level – medium, low, off

The Teufel Remote App

You can use the Teufel Remote App to conveniently control many functions of your RADIO 3SIXTY via smartphone or tablet.

Load the app here:

Teufel Remote App
in the Apple App Store

Download on the App Store

Teufel Remote App
in the Google Play Store

GET IT ON Google Play

After setup, you can use the Teufel Remote App to select and control the playback source of the RADIO 3SIXTY, to adjust the volume and to conveniently choose music.
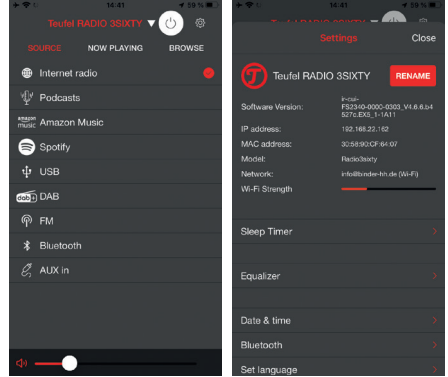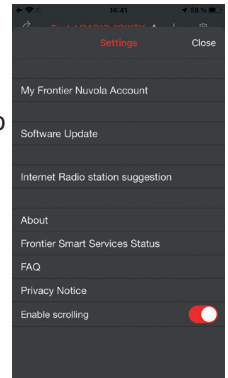

Make sure that your smartphone and the radio are connected to the same Wi-Fi network.

Select your radio from the list to access the sources and settings.

Alternatively, you can tap "+" to set up your device. Launch the setup wizard on the RADIO 3SIXTY and follow the instructions on the screen.

You can also configure settings for the Teufel Remote App and you can search for and install updates for the RADIO 3SIXTY.

Under the following link, you can learn more about the Teufel Remote App:

www.teufelaudio.com/remote-app

Internet radio and podcasts

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 from "Frontier Nuvola Smart Radio", which has already been broken down into different categories (e.g. Pop, Jazz, Country).

When you select a station, the RADIO 3SIXTY will directly connect to the station via the Internet.

– Push the button ⟳ **(14)/(27)** multiple times until "Internet radio" or "Podcasts" appears on the display panel **(5)** and push the control SELECT **(8)** or the button ▶❚❚ **(22)**.

– Alternatively, select "Internet radio" or "Podcasts" in the "Source" menu.

Selecting stations

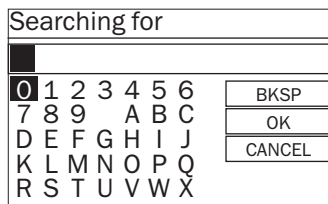– Push the button ≡ **(7)/(24)** to access the submenu:

Last listened – the last stations heard are listed here.

Station list/podcast list – you can find various lists from the portal here. The portal lists are regularly updated and can change as a result.

(14) (5) (7) (8)

(22)

(27) (24)
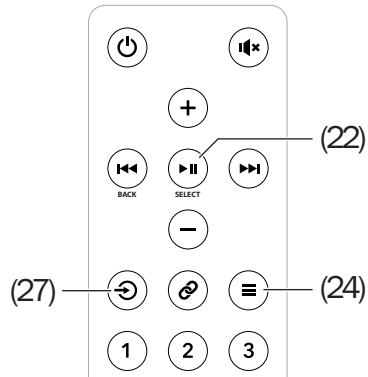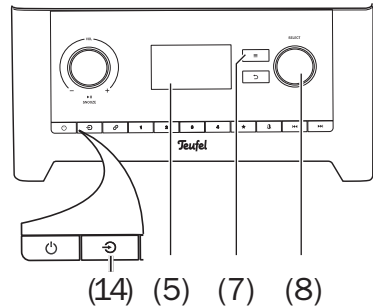
There is a search function in the station/podcast list:

1. Select "Search" in the respective menu.

```
Searching for
┌─────────────────────────────┐
│ ■                           │
├───────────────┬─────────────┤
│ 0 1 2 3 4 5 6 │    BKSP     │
│ 7 8 9   A B C ├─────────────┤
│ D E F G H I J │     OK      │
│ K L M N O P Q ├─────────────┤
│ R S T U V W X │   CANCEL    │
└───────────────┴─────────────┘
```

2. Use the control SELECT **(8)** or the buttons
   + **(21)** (up),
   – **(23)** (down),
   ⏮/⏭ **(29)** (left/right)
   to select a character.

3. By pushing the control SELECT **(8)** or the button ▶II **(22)**, you enter the character at the top of the input line.
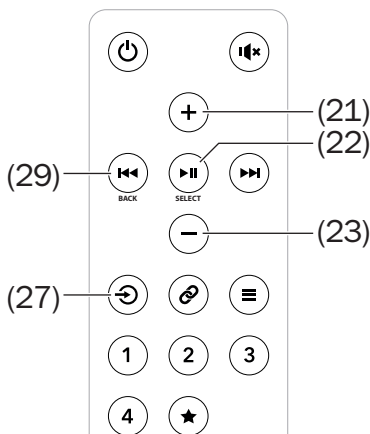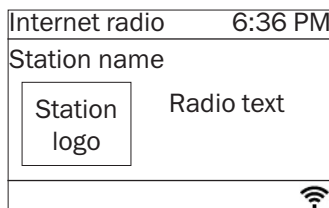   **[BKSP]** deletes the last character,
   [OK] ends input,
   [CANCEL] aborts the process.
   The RADIO 3SIXTY will now scan for stations whose name contains the search term and it will display them in a list.
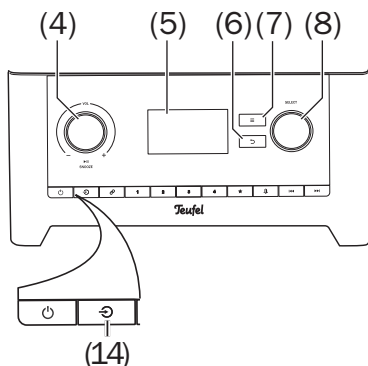
Playback

– From one of the lists, select the desired station with the control SELECT **(8)** or push the buttons + **(21)** and – **(23)**.

– Push the control SELECT **(8)** or the button ▶II **(22)**. Playback will begin after a short loading time.

– By turning the control SELECT **(8)**, you return to the previous list where you can select another station.

– You can go back to the respective parent list by repeatedly pushing the button ↺ **(6)** or ⏮ **(29)**.

```
┌─────────────────────────────┐
│ Internet radio      6:36 PM │
│ Station name                │
│  ┌────────┐                 │
│  │ Station│   Radio text    │
│  │ logo   │                 │
│  └────────┘                 │
│                         📶  │
└─────────────────────────────┘
```

(4) (5) (6)(7) (8)

(14)

(29) (27) (21) (22) (23)

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 174.928 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.

• The telescopic antenna **(19)** ensures good reception. To receive radio stations, always pull the antenna all the way out. If applicable, adjust its position for better reception later.
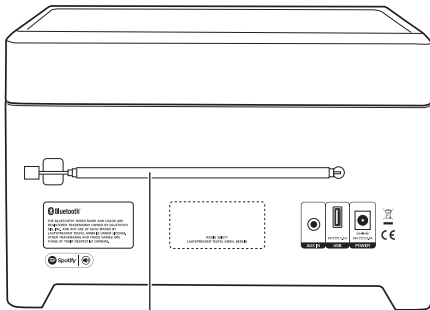
(19)

DAB/DAB+

– Push the button ↻ **(14)**/**(27)** multiple times until "DAB radio" appears on the display panel **(5)** and push the control SELECT **(8)** or the button ▶II **(22)**.
Alternatively, select "DAB" in the "Source" menu.

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

Otherwise playback will start with the last station you heard.

– Use the buttons I◀◀/▶▶I **(29)** to skip to the previous/next station in the list.

– By turning the control SELECT **(8)**, you return to the previous list where you can select another station.

– You can go back to the respective parent list by repeatedly pushing the button ↺ **(6)** or I◀◀ **(29)**.

– Push the button ☰ **(7)**/**(24)** to access the submenu for DAB radio:

Station list

All stations that are found are listed here.

Scan

Deletes the list of stations and reassembles it. This may be necessary after changing location.

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 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:
• Alphanumerical – by station name
• Ensemble – by groups of stations

FM (USW)

– Push the button ⟳ **(14)/(27)**
  multiple times until "FM radio"
  appears on the display panel **(5)**
  and push the control SELECT **(8)** or
  the button ▶❚❚ **(22)**.
  Alternatively, select "FM" in the
  "Source" menu.

Setting stations

Use the SELECT control **(8)** and
the buttons � ◀◀/▶▶ ◗ **(29)** to set the
stations manually:

– Each time you turn the control
  or tap the buttons, the receiving
  frequency on the display panel **(5)**
  will be decreased/increased by
  50 kHz.

The automatic search will find
stations that can be received in suffi-
cient quality.

– Start the automatic search by
  pressing and holding the buttons
  ◗◀◀/▶▶ ◗ **(9)/(29)**.

The name of the set station appears
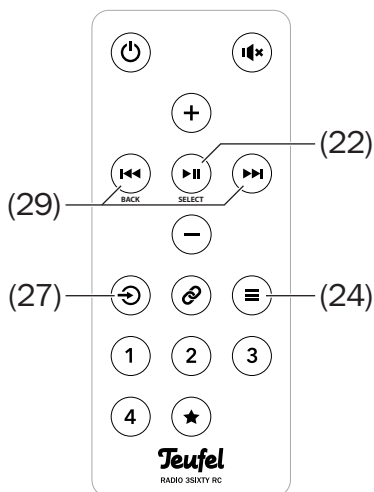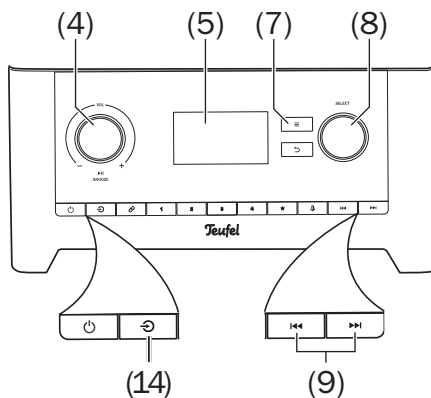on the display panel **(5)** after a short
time.

– Push the button ≡ **(7)/(24)** to
  access the submenu for FM radio:

Scan setting

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

Audio setting

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

(4)   (5)   (7)   (8)

(14)   (9)

(22)
(29)
(27)   (24)

Saving and accessing stations

Station memory

There are 30 station slots available each for Internet Radio, DAB and FM.

1. To save the station that you have currently set, push and hold the button ★ **(11)/(25)** until the menu "Save to Preset" appears on the display panel.
2. Select the desired station memory with the control SELECT **(8)** or the buttons + **(21)** and − **(23)**.
3. Push the control SELECT **(8)** or the button ▶❚❚**(22)**.

The station has now been saved.

1. To access it, tap the button ★ **(11)/(25)**. The menu "Recall from Preset" will appear on the display panel.
2. Select the desired station memory with the control SELECT **(8)** or the buttons + **(21)** and − **(23)**.
3. To access the station, push the control SELECT **(8)** or the button ▶❚❚**(22)**.
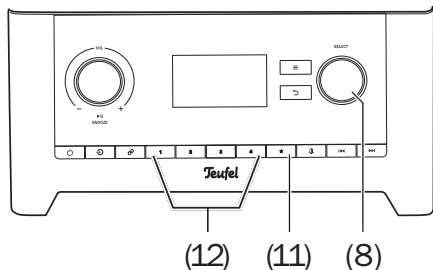
Station buttons

You can easily occupy and access the station memory slots 1−4 with the station buttons 1−4 **(12)/(26)**:

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

– To access it, tap the desired station button.
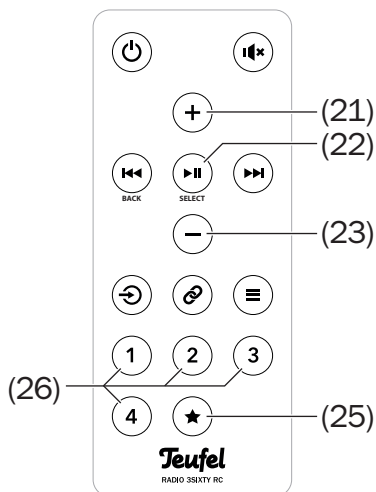
USB Music player

This can be used to play MP3 audio files from USB storage devices.

You can connect conventional USB sticks and USB hard drives with the specifications USB 1.0 to 3.0, which are formatted to "FAT32" and have a maximum capacity of 128 GB, to the USB port **(17)**. Up to 5,000 files can be saved on it in up to 8 directory levels.


(17)
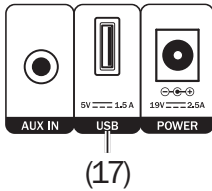
Insert the USB stick or the plug of your USB device in the USB jack. The plug only fits the jack in one orientation.

As soon as the RADIO 3SIXTY recognises the storage device, the notice "USB disk attached. Open folder?" will appear on the display panel and "Yes" is selected.

– Push the control SELECT **(8)** or the button ▶II **(22)**.
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 button ⟳ **(14)**/**(27)** multiple times until "Music player" appears on the display panel **(5)** and push the control SELECT **(8)** or the button ▶II **(22)**.
Alternatively, select "USB" in the "Source" menu.

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

(14) (5)   (8)

(22)

(27)
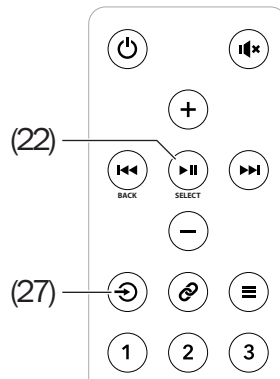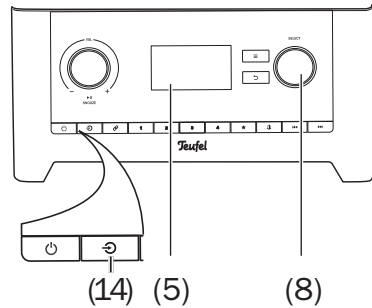
Playback

– Select the first track of your choice from the list and start playback by pushing the control SELECT **(8)** or the button ▶ll**(22)**.

– Pause playback: Push the control VOL **(4)** or the button ▶ll**(22)**.

– Continue playback: Push the control VOL **(4)** or the button ▶ll**(22)** again.

– Play next track: Tap the button ▶▶ı **(9)**/**(29)**.

– Restart the current track: Tap the button ı◀◀ **(9)**/**(29)**.

– Play previous track: Tap the button ı◀◀ **(9)**/**(29)** twice.

– By turning the control SELECT **(8)**, you return to the previous list where you can select another track.

– You can go back to the respective parent list by repeatedly pushing the button ⟲ **(6)** or ı◀◀ **(29)**.

(4) (5) (6) (8)

(9)

(22)

(29)
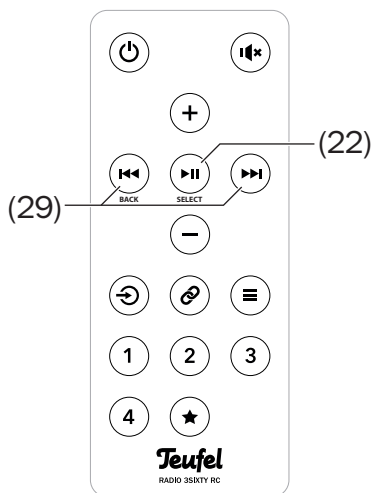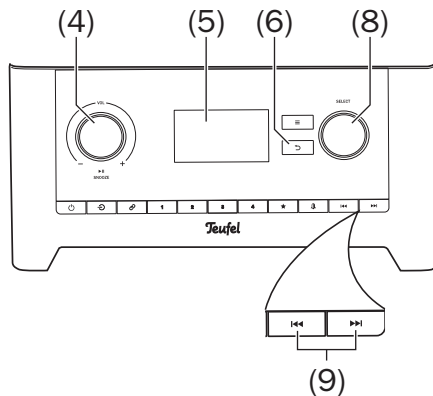
My Playlist

You can find the playlist in the "USB" submenu.

– Pushing and holding the control SELECT **(8)** adds the current track to your playlist.

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

Random 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.

Bluetooth® Mode

Via Bluetooth®, you can connect a compatible external player and the RADIO 3SIXTY wirelessly. 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. 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. Hold the button 🔗 **(13)**/**(28)** down to start pairing. The text "Bluetooth pairing" will appear on the display panel **(5)** and the Bluetooth® symbol will flash.

3. Let your external player/your smartphone search for Bluetooth® devices (see the user manual for the external player to do so). After the search, the "Teufel RADIO 3SIXTY" should also be present in the list of detected devices.
If you have renamed your RADIO 3SIXTY in the Teufel Remote App, the new name will be shown.

4. Select your RADIO 3SIXTY from the list of detected devices.

5. 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.

(4)   (5)   (8)

(14) (13)   (9)

(22)

(29)

(28)

(27)
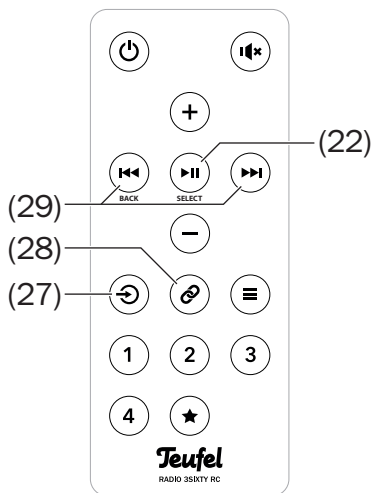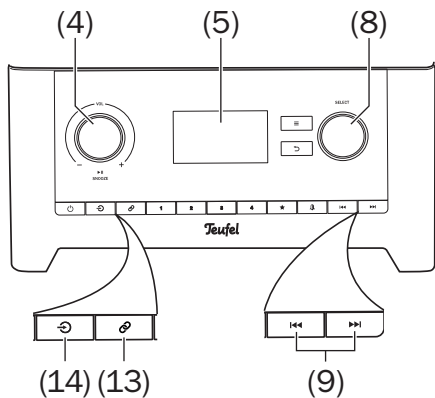
Playback

ℹ️ The volume setting of the external player affects the volume of the RADIO 3SIXTY.

1. Push the button ⮐ **(14)**/**(27)** multiple times until "Bluetooth Audio" appears on the display panel **(5)** and push the control SELECT **(8)** or the button ▶❚❚ **(22)**. Alternatively, select "Bluetooth" 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 control VOL **(4)** or the button ▶❚❚ **(22)**.

– Continue playback: Push the control VOL **(4)** or the button ▶❚❚ **(22)** again.

– Play next track:
Tap the button ▶▶❘ **(9)**/**(29)**.

– Restart the current track:
Tap the button ❘◀◀ **(9)**/**(29)**.

– Play previous track:
Tap the button ❘◀◀ **(9)**/**(29)** 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 source device 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

– tap the RADIO 3SIXTY button 🔗 **(13)**/**(28)**.

Amazon Music®

With the Teufel Remote App you can register your RADIO 3SIXTY with Amazon Music®:

1. Start the app on your smartphone/ tablet.
2. Select your RADIO 3SIXTY from the device list.
3. Select "Amazon Music" as the source.
4. Tap "Browse".
   The Amazon login screen will appear in the app.
5. Log on with your Amazon account or create a new account.
   For this, follow the on-screen instructions.

Once you have logged on, you can, depending on your Amazon subscription, access Amazon Music®.
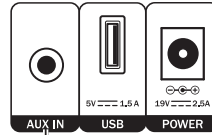
Spotify Connect®

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

Go to spotify.com/connect to learn how.

AUX Input

You can connect a source device with an analogue line out jack or an earphone jack (e.g. a CD player or TV set) to the AUX IN jack **(18)**. You will need a stereo cable with a 3.5-mm jack plug to do so.

(18)

Playback

1. Select "AUX in" as the source.
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 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 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 4). 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 (see page 17).
The device doesn't emit any sound.	The wrong source has been selected.	Select the right source (see page 20).
	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 with Bluetooth®.	No Bluetooth® connection.	Establish a connection (see page 40).
	RADIO 3SIXTY has not been selected as the output device.	On the external player, select "Teufel RADIO 3SIXTY" or the name you assigned in the app as the output device via Bluetooth®.
	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 "Clear network settings" on page 27), and start the network assistant (see page 27).

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 declares that this product complies with Directive 2014/53/EU. The full text of the EU Declaration of Conformity can be found at this web address: www.teufelaudio.com/declaration-of-conformity

Technical Data

RADIO 3SIXTY

Dimensions (W × H × D):   280 × 170 × 135 mm

Weight: 2.5 kg

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

Radio network	Frequency bands	Transmission power
Bluetooth® + Wi-Fi	2,400–2,483.5 MHz	<13 dBm/20 mW
Wi-Fi	5,150–5,350 MHz 5,725–5,875 MHz	<20 dBm/100 mW <14 dBm/25 mW

Mains adapter

Manufacturer name: Dongguan Yidai Power Technology Co., Ltd.

Manufacturer address: 2/F, Block B, No 7 of YuHua street, No 138, Industrial Zone, TangXia, DongGuan, Guang-Dong Province, China

Model identifier: YD-BG1900205EU-6A

Input: 100–240 V~, 50/60 Hz, 1.2 A max.

Output: 19.0 V DC, 2.5 A, 47.5 W

Average efficiency: 89.3 %

Efficiency at low load (10 %):   84.9 %

No-load power consumption: 0.06 W

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:

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Budapester Straße 44
10787 Berlin (Germany)

Telephone (freephone):

+800 200 300 40

Online support:
www.teufelaudio.com/service

Contact form:
www.teufelaudio.com/contact

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