FESTOOL

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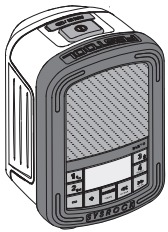
SYSROCK
BR 10 DAB+



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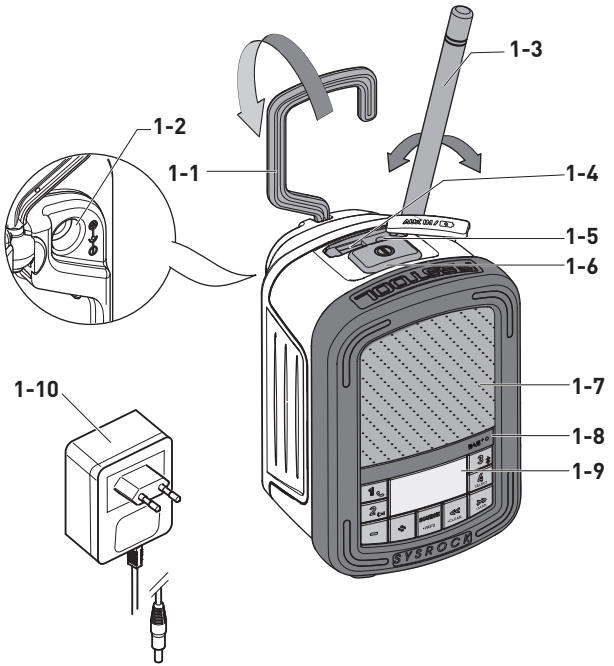
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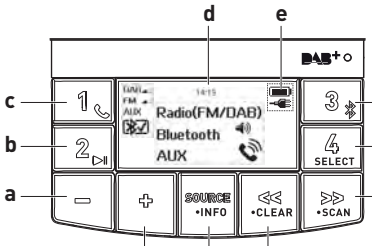
a
b
c
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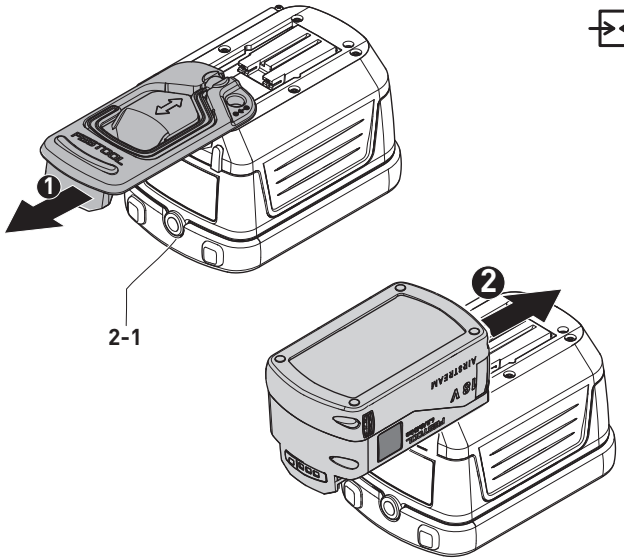
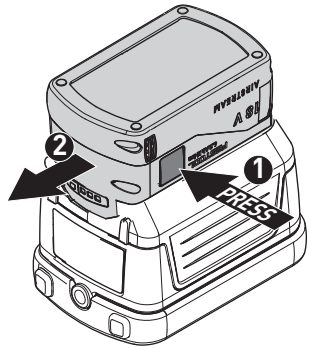
k
Radio(FM/DAB)
Bluetooth
AUX
SELECT
SOURCE
•INFO
•CLEAR
•SCAN

2A



2B



1 Symbols

Warning of general danger

Warning of electric shock

Read the operating manual and safety warnings.

Do not dispose of it with domestic waste.

Do not tilt.

Do not operate at full volume.

UKCA marking: The United Kingdom Conformity Assessed symbol is a marking for products being placed on the market in the United Kingdom. It is a manufacturers indication that the product is in conformance with the relevant regulations in the UK.

2 Safety instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this device near water.
6. Clean only with dry cloth.
7. Do not install near any heat sources such as radiators, heat registers, stoves, or other device (including amplifiers) that produce heat.
8. Protect the cables and switching adapter from being walked on or pinched particularly the plugs, convenience receptacles, and the point where the cable exits from the switching adapter.
9. Only use attachments/accessories specified by the manufacturer.
10. Use only with stands, tripods, or brackets specified by the manufacturer, or sold with the device. When a cable is used, use caution when moving the cable/device combination to avoid injury from tip-over.
11. Unplug the switching adapter and device during lightning storms or when the device is not in use for longer periods of time.
12. Leave all maintenance to qualified service personnel. Maintenance is required when the device has been damaged in any way, such as switching adapter is damaged, liquid has been spilled, the device has been exposed to rain or moisture, does not operate normally, or fell down.
13. To Reduce the Risk of Fire or Electric Shock, Do not Expose This Appliance To Rain or Moisture.
14. The Shock Hazard Marking and Associated Graphical Symbol is provided at the bottom of the device if necessary.
15. The device shall not be exposed to dripping or splashing. No objects filled with liquids may be placed on the device.

16. The switching adapter should not be removed far from the radio, and remain easily accessible so that during an emergency, the power source can be easily removed.
17. Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnected device shall remain readily operable.
18. The battery pack shall not be exposed to excessive heat such as direct sunlight, fire etc.
    For more information read the safety instructions provided with your battery pack.
19. To prevent possible hearing loss, do not listen at high volume levels for extended periods of time periods.

CAUTION: To reduce the risk of electric shock, do not perform any maintenance other than that detailed in the operating instructions unless you are qualified to do so.

WARNING! Warranty becomes void once the radio housing has been opened or any modifications or alterations to the radio have been made!

3 Technical data

Radio		**SYSROCK BR 10 DAB+**
Power requirements	switching adapter	Output: DC 19 V/1.2 A center pin positive
	battery pack	10.8 - 18 V recommended: 18 V
Frequency coverage		FM 87.50 - 108 MHz
		DAB 174.928 - 239.200 MHz
Bluetooth®	version	4.1 EDR compliant
	profiles	HFP, A2DP, AVRCP profiles
	Frequency	2402 – 2480 MHz
	Equivalent Isotropically Radiated Power (EIRP)	<10 dBm
	transition range max.	10 m (varies according to usage conditions)
	Supported codec	SBC/ACC
Circuit feature	Loudspeaker	2.5" 8 Ω x1
	Output power	19 V: 10 W 3 % THD

Radio		SYSROCK BR 10 DAB+
	Input terminal	3.5 mm dia. (AUX IN)
	USB socket	5 V/1.2 A
Permitted operating temperature range		-10 °C to +45 °C
Dimension (W x H x D)		100 x 150 x 105 mm
Weight (without external battery pack)		0.7 kg

Mains power pack	BQ30A-1901200
Input voltage	100–240 V
Input alternating current frequency	50–60 Hz
Output voltage	19 V DC
Output current	1.2 A
Output	22.8 W
Average efficiency in operation	87%
Efficiency at low load (10%)	84%
No-load power consumption	⩽ 0.078 W

4 Machine features

Radio - SysRock

[1-1] Folding attachment handle
[1-2] Connecting socket for switching adapter
[1-3] Antenna
[1-4] USB socket
[1-5] Auxiliary input (AUX-IN)
[1-6] Power button
[1-7] Speaker
[1-8] Built-in microphone
[1-9] Display
[1-10] Switching adapter
[2-1] Threaded socket for tripod UNC 1/4"-20

Menu buttons and display

[a] Volume control -
[b] Preset button 2
Bluetooth® mode: Play and pause
[c] Preset button 1
Bluetooth® mode: Call button
[d] Clock time (available from DAB and FM RDS-CT)
[e] Battery status indicator
[f] Preset button 3
Bluetooth® mode: Pair button
[g] Preset button 4
SELECT button
[h] DAB/FM mode: Tuning control - up
Bluetooth® mode: next track

DAB Modus: scan button
[i] DAB/FM mode: Tuning control - down
Bluetooth® mode: previous track
DAB mode: clear button
[j] Source button
DAB mode: info button
[k] Volume control +

Accessories shown or described are not always included in the scope of delivery.

The specified illustrations appear at the beginning of the operating manual.

5 Commissioning

5.1 Operating with switching adapter

Plug in switching adapter **[1-10]** in connecting socket **[1-2]** and power outlet.

IMPORTANT:

The switching adapter is used as the means of connecting the radio to the power supply. The switching adapter used for the radio must remain accessible during normal use in order to disconnect the radio from the power supply completely, the switching adapter should be removed from the power supply outlet completely.

5.2 Operating with external Festool battery pack [2A] + [2B]

The device can operate with any Festool battery pack from the BP, BPC or BPS series. When connected to the external Festool battery pack, the device only consumes power from this battery pack.

CAUTION always attach the battery pack completely. If not, it may accidentally fall out of the battery bay, causing injury to you or someone around you.

CAUTION Do not force attach the battery pack. If the battery pack does not slide in smoothly and does not engage, it is not being inserted correctly.

CAUTION For optimal performance, we recommend connecting to an **18V Li-Ion battery pack**.

5.3 Switch on/off

► To switch on: Press the power button **[1-6]**.

The radio is ready for operation.

► To switch off: Press the power button **[1-6]**.

5.4 Volume control

Press the volume control **[a]** and **[k]** to adjust the desired volume.

ⓘ For a better sound quality using an external device, adjust the volume on the external device to maximum 70%.

5.5 Checking battery status

To check the current battery level, press the power button **[1-6]** to switch on the radio. The battery status indicator **[e]** will show the current battery level (only with Li-Ion battery pack).

	Battery is fully charged
	Battery is partially charged
	Battery low - charging required
	battery critical - alternative power source required immediately.

5.6 Operating your radio - DAB

- ► Straighten up the antenna **[1-3]**.
- ► Press the Power button **[1-6]** to switch on your radio.
- ► Press the source button **[j]** until the DAB mode is selected.

If this is the first time the radio is used, a quick scan of Band III DAB channels will be carried out. If the radio has been used before, the last used station will be selected.

During the scanning process, as new stations are detected, the station counter will increase and stations will be added to the list. The display shows a bar graph indicating the progress of the scan.

When the scanning is completed, the first station (in numeric-alpha order 0...9...A...Z) will be selected.

If the station list is still empty after the scan, your radio will display <No stations found>.

If no signals are found, it may be necessary to relocate your radio to a position giving better reception.

Selecting a station - DAB

- ► Press the Power button **[1-6]** to switch on your radio.
- ► Press the source button **[j]** until the DAB mode is selected. The display will show the name of the radio station currently selected.
- ► Press the Tuning control **[i]**, **[h]** to scroll through the list of available stations.
- ► Press the Select button **[g]** to select the station. The display may show <Connecting...> while your radio finds the new station.
- ► Adjust the Volume control **[a]**, **[k]** to the required setting.

NOTE: If after selecting a station, the station is not found it may be necessary to relocate your radio to a position giving better reception.

Secondary service - DAB

Certain radio stations have one or more secondary services associated with them. If a station has a secondary service associated with it, the display will show this information under the station name.

Most secondary services do not broadcast continually and if the selected service is not available, the radio will re-tune to the associated primary service.

Display mode - DAB

Your radio has a range of display options when in DAB mode:

- ► Press and hold the Info button **[j]** more than 2 seconds until <DAB Info> is shown on the display and then press and release the Tuning control **[i]**, **[h]** to cycle through the various modes.

a. Signal strength	Displays the signal strength of radio reception. The clear unfilled rectangle indicates minimum signal level required for satisfactory reception.
b. Program type	Displays type of station being listened to e.g. Pop, Classic, News etc.
c. Multiplex name	Displays name of multiplex to which

	current station belongs.
d. Frequency	Displays current frequency.
e. Bit rate / audio type	Displays the digital bit rate and the audio type for the currently tuned DAB station.
f. Date	Displays the current date.
g. DL Plus Information	Some stations may provide other programme related information for the display in addition to the regular text. If none is available, a message <no DL+info> is displayed.
h. Scrolling text (DLS)	Displays scrolling text messages such as artist/track name, phone in number, etc.

Finding new stations - DAB

As time passes new stations may become available. To find new stations proceed as follows:

- ► Press the Power button **[1-6]** to switch on your radio.
- ► Press the source button **[j]** until the DAB mode is selected.
- ► To carry out a full scan of the entire DAB Band III frequencies press and hold the Tuning control **[h]** more than 2 seconds. As new stations are found, the station counter on the display will increase and stations will be added to the list. The bar graph indicates the progress of the scan.

Clear stations (Prune function)- DAB

If you move to a different part of the country, some of the stations which were listed may no longer be available. Also from time to time, some DAB services may stop broadcasting, or may change location or frequency. Stations which cannot be found, or which have not been received for a very long time are shown in the station list with a question mark. The Prune stations function (Clear) **[i]** will delete the marked DAB stations from your station list.

- ► Press the Power button **[1-6]** to switch on your radio.
- ► Press the source button **[j]** until the DAB mode is selected.
- ► Press and hold Clear button **[i]** more than 2 seconds until <DAB> is shown on the display.
- ► Press and release the Tuning control **[i]**, **[h]** to select <Clear> or <Back>. If you do not wish to enter the Prune function select <Back>, and press and release the Select button **[g]** to confirm the setting.
- ► To enter the Prune function select <Clear>, and press and release the Select button **[g]** to enter the setting. Press and release the Tuning control **[i]**, **[h]** to select <YES> or <NO>. To activate the Prune function select <YES> and press the Select button **[g]** to confirm the setting. If you do not wish to prune stations, select <NO> and then press Select button **[g]** to confirm the setting.

ⓘ **NOTE:** If you have moved your radio to a different part of the country you should also carry out a search for new stations (please

see the section 'Finding new stations').

5.7 Operating your radio - FM

► Straighten up the antenna **[1-3]**.

► FM Press the source button **[j]** until the FM mode is selected.

FM auto-tune

► Press and hold (~2 sec.) the Tuning control **[i]**, **[h]** to carry out an autotune.

Your radio will stop scanning when it finds a station of sufficient strength.

The display will show the frequency of the signal found. If the signal is strong enough and there is RDS data present, the radio may display the station name, radio text and clock time.

Finding other stations

► Press the Tuning control **[i]**, **[h]** as before.

When the end of the waveband is reached, your radio will restart tuning from the opposite end of the waveband.

ⓘ If you find that FM reception is poor, try repositioning the antenna.

Manual tuning -FM

► Press the Tuning control **[i]**, **[h]** to tune to a station.

The frequency will change in steps of 0.1 MHz.

5.8 Using preset stations in DAB/FM mode

You may store your preferred DAB/FM radio stations to the preset stations. There are four memory presets each for DAB and FM radio. They are used in the same way for each operating mode.

► Press the Power button **[1-6]** to switch on your radio.

► Press and hold (~2 sec.) the Preset button **[b]**, **[c]**, **[f]** or **[g]** until the display show <Saved>.

The station will be accessible via the chosen preset button. The preset number P1 to P4 will be shown in the display.

Repeat this procedure as required for the remaining presets. Stations stored in preset memories may be overwritten by retracing the steps above.

Recalling preset stations in DAB/FM mode

► Press the required Preset button **[b]**, **[c]**, **[f]** or **[g]** to tune to the station stored in preset memory.

5.9 Clock time - automatically updating the clock

Your radio will normally update the clock time **[d]** automatically using the DAB or FM RDS-CT signal.After a power failure the radio will then set its clock the next time that you turn on the radio in DAB or FM mode.

ⓘ **NOTE:** If no signal is found you should either position the radio or its aerial so that a signal can be received.

When you set the clock time using the FM RDS (Radio Data System) function, your radio will synchronize and display clock time **[d]** whenever it tunes to a radio station using RDS with CT signals. If the station has sufficient signal strength the clock will automatically synchronize within one or two minutes. The radio clock time will be valid for 24 hours each time the radio time is synchronized with RDS CT.

ⓘ If no RDS-signal is received, the clock time is not shown.

5.10 Listening to music via Bluetooth® streaming

You need to pair your **Bluetooth®** device with your SysRock before you can autolink to play/stream Bluetooth® music through your SysRock. Pairing creates a "bond" so two devices will recognize each other and establish a link that enables data transfer.

Pairing your Bluetooth® device for the first time

► Press the Source button **[j]** to select the Bluetooth® mode.

The Bluetooth® status icon flashes to show the SysRock is discoverable.

► Activate Bluetooth® on your mobile device according to the device's user manual to link up to the SysRock.

► Locate the Bluetooth® device list and select <SysRock DAB>. Some mobile devices (which are equipped with Bluetooth® interfaces older than the BT2.1 standard.), require entering the pass code "0000".

Once the connection is established, the Bluetooth® icon will cease flashing and display a check mark next to it. Simply select and play any music from your source device.

NOTE:

– If two Bluetooth® devices, which are not yet paired to the SysRock both simultaeneously search for your SysRock, it will show its availability on both devices. However, if one device establishes a connection with the SysRock first, then the other Bluetooth® device won't find it on its list.

– If you take your source device out of range, the connection will be temporarily lost. Your SysRock will automatically reconnect, if the source device is brought back in range. Be aware that while the connection is lost, no other Bluetooth® device can pair or link with your SysRock.

– If <SysRock DAB> shows in your Bluetooth® device's list but your device cannot connect with it, please delete the item from your list and pair up the device with the SysRock again following the steps described previously.

– The effective operation range between the system and the paired device is approximately 10 meters (30 feet). Any obstacle between the system and the device can reduce the operational range.

– Bluetooth® connectivity performance may vary depending on the connected Bluetooth® devices. Please review the Bluetooth® capabilities of your device before connecting to your SysRock. Some features may not be supported on your Bluetooth® device.

Playing audio files in Bluetooth® mode

As soon as your SysRock is successfully connected with the chosen Bluetooth® device, you can start to play your music using the controls on your connected Bluetooth® device.

► Once the SysRock plays adjust the volume to the desired level using

the Volume control **[a]**, **[k]** on either your SysRock or your connected Bluetooth® device.
► Use the controls on your device to play/pause and navigate tracks. Alternatively, control the playback using Play/Pause **[b]**, Next track **[h]**, Previous track buttons **[i]** on the SysRock.

The currently-played track information (i.e. the track name /the artist name) will be displayed as scrolling text at the bottom of display.

NOTE:

– Some player applications or devices may not respond to all of these controls.
– Some mobile phones may temporarily disconnect from your SysRock when you make or receive calls. Some devices may temporarily mute their Bluetooth® audio streaming when they receive text messages, emails or for other reasons unrelated to audio streaming. Such behaviour is a function of the connected device and does not indicate a fault with your SysRock.

Playing previously-paired devices

This unit can save up to 8 sets of paired devices. When the amount is exceeded, the earliest device will be over written. If your Bluetooth® device has already been paired with the SysRock previously, the unit will recognize your Bluetooth® device and will automatically attempt to reconnect with the device it was last connected with. If the last connected device is not available, the SysRock will try to connect to the second last device, and so forth.

Deleting Bluetooth® device pairings

► To delete all Bluetooth® device pairings, press and hold the Preset 4 button **[g]** until <BT-Reset> shows on the display. The SysRock will turn off automatically after the memory is cleared.

Disconnecting your Bluetooth® device

► Press the Source button **[j]** to select any mode other than Bluetooth® mode.
► Alternatively, press (~2 sec.) the Bluetooth® pair button **[f]** to disconnect the link.
► You can also turn off Bluetooth® on your Bluetooth® device to disable the connection.

If you disconnect the Bluetooth® device when you are in Bluetooth® mode, the Bluetooth® icon will then start to flash, indicating Bluetooth® is available again for pairing.

Using your hands-free call feature

Your unit can be used as a hands-free accessory for your phone. When music is playing through your SysRock and you receive a call on your phone it can pause the music automatically to allow you to answer your phone.

► If you receive a call while playing music through your SysRock, press and release the Call button **[c]** to answer your phone call.
► Speak in direction of the built-in microphone **[1-8]**.

ⓘ Note that a very high volume setting may decrease sound quality.

► Press and release the Call button **[c]** to end the phone call.

5.11 AUX input (AUX-IN)

A 3.5 mm AUX input **[1-5]** is attached to the upper part of SysRock and enables the playback of an audio signal from an external audio device, such as an MP3 or CD player.

► Connect a stereo or mono audio source (such as an MP3 or CD player) at the AUX input **[1-5]**.
► Press Source **[j]** in order to select AUX mode.
► Set the volume on the MP3 or CD player (max. 70%) in order to ensure a sufficient signal, then adapt the volume on SysRock for comfortable listening.

ⓘ Never use the AUX input in the rain or under humid conditions, in order to prevent moisture penetrating into SysRock. Keep the rubber cover on the reverse tightly closed in just such conditions.

5.12 USB socket for smartphone charging

Your radio has a USB socket which is intended only for charging a smartphone or similar devices. Charge time may vary and in some cases may take longer to charge than when using the manufacturers charging unit supplied with the smartphone. The radio can charge the smartphone or similar devices when the radio is in power on mode and in DAB/FM radio mode, Bluetooth® mode or AUX mode.

► Connect your smartphone to the USB charging socket **[1-4]** on the top of your radio.
► Your smartphone will begin to charge.
► Once your smartphone has fully charged remove the USB cable.

ⓘ **NOTE:** Charging mobile phones (for example) or other devices may affect the listening quality while listening to the DAB/FM stations.

CAUTION

– The charger may not supply power to some USB devices.
– When not using or after charging, remove the USB cable.
– Do not connect power source to USB port. Otherwise there is a risk of fire. The USB port is only intended for charging lower voltage device.
– Do not insert a nail, wire, etc. into the USB power supply port. Otherwise a circuit short may cause smoke and fire.
– Do not connect this USB socket with your PC USB port, as it is highly possible that it may cause breakdown of the units.
– Never use the USB socket in rainy or moist conditions to prevent moisture from entering the radio.
– Close the USB socket after use with the protective cap to prevent contamination.

5.13 Setup options

Mounting bracket [1-1]

The pushable mounting bracket allows the device to be hung up on scaffolding or the like.

The mounting bracket must be removed for operation with an external Festool battery pack **[2A]**.

Tripod

A standard UNC 1/4"–20 photo tripod socket can be screwed onto the tripod socket bushing **[2-1]**.

6 Service and maintenance

Customer service and repairs must only be carried out by the manufacturer or service workshops. Find the nearest address at: www.festool.co.uk/service

Always use original Festool spare parts. Order no. at: www.festool.co.uk/service

- Clean the display **[1-9]** and loudspeaker **[1-7]** on the radio with a soft, dry cloth to prevent damage. Do not use solvents.
- Keep contacts on SysRock and on the battery pack clean.

7 Environment

Do not dispose of the device in the household waste! Recycle devices, accessories and packaging. Observe applicable national regulations.

EU only: In accordance with the European Directive on waste electrical and electronic equipment and implementation in national law, used power tools must be collected separately and handed in for environmentally friendly recycling.

Information about collection points for correct disposal is available at www.festool.co.uk/recycling .

Information on REACH:
www.festool.co.uk/reach

8 General information

The company reserves the right to amend the specification without notice.

Imported into the UK by

Festool UK Ltd
1 Anglo Saxon Way
Bury St Edmunds
IP30 9XH
Great Britain

8.1 Information about Bluetooth®

As soon as the tool is connected to the mobile device via Bluetooth® and the secure connection has been authorised, the tool will connect automatically to the mobile device from this point onwards.

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