

1 Symbols

-  Warning of general danger
-  Warning of electric shock
-  Read the operating instructions and safety instructions.
-  Do not dispose of it with domestic waste.
-  Do not dispose of it with domestic waste.
-  CE marking: Confirms the conformity of the power tool with the European Community directives.
-  Safety class II
-  Do not operate at high volume over long periods of time!
-  Risk of injury to fingers and hands!
-  Only use and store the battery at temperatures of between -10 °C and +40 °C.
-  Keep away from water – do not immerse in liquids.
-  Make sure that the battery is not subjected to physical blows or impacts.
-  Do not drill or drive in screws here.
-  For indoor use only
-  Energy efficiency label
-  Polarity of the DC plug connector
-  DC Direct current
-  ~ AC Alternating current
-  Marks the position of the battery.

2 Safety warnings

 **WARNING! Read all safety warnings, instructions, illustrations and specifications provided with this power tool.** Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The warranty expires if you open the machine housing or make any other modifications to the machine.

2.1 Preventing damage to the battery

Cells in lithium-ion batteries are sealed so as to be gas-tight and are non-hazardous provided they are used and handled in accordance with the manufacturer's instructions.

- **Handle discharged batteries with care. Batteries represent a safety hazard as they can cause a very high short circuit current.** Even if Li-ion batteries appear to be discharged, they are in fact never fully discharged and therefore continue to represent a safety hazard.
- **Charge the machine at regular intervals to prevent hazards posed by a deeply discharged battery.**
- **Make sure that the battery is not subjected to physical blows or impacts. Impacts and penetrating objects may damage the battery.** This may lead to leakages, the generation of heat or smoke, or cause the battery to ignite or explode.
- **Do not expose the device to an extremely high temperature surrounding environment.** This may cause the battery to explode or flammable liquids or gases to escape from the battery.
- **Do not open, crush or overheat the machine (for example, also protect it from constant sunlight or naked flames).** Failure to observe these precautions is a fire and explosion hazard and may result in burns.
- **Do not immerse the machine in liquids such as (salt) water. Contact with liquids may damage the battery.** This may lead to the generation of heat or smoke, or cause the battery to ignite or explode. Do not continue using the machine. Consult an authorised Festool customer service agent.
- **Do not expose the machine to extremely low air pressure.** This may cause the

battery to explode or flammable liquids or gases to leak from the battery.

2.2 If a battery has been damaged

- **Do not use the machine if the battery is damaged or has been modified. Stop using the machine immediately if you notice anything unusual about the battery such as odour formation or the generation of heat.** Batteries which are damaged or which have been modified may exhibit unpredictable behaviour which could lead to heat and smoke, fire, explosion or injury.
- **Never use water to extinguish burning Li-ion batteries!** Use sand or a fire blanket.
- **There is a risk of vapours being released if the battery is damaged or not used correctly.** The vapours may irritate your airways. Seek fresh air and consult a doctor if you feel unwell.
- **Fluid may leak out of the battery if it is used incorrectly. Avoid contact with the fluid. Rinse with water any areas which accidentally come into contact with the fluid. If fluid gets into the eyes, also consult a doctor.** Leaking battery fluid can cause skin irritation or burns.

2.3 Safe handling of the machine

- **Do not use the machine in the rain or in damp surroundings.** Moisture in the machine may cause a short circuit and fire.
- **Do not insert any nails, wire or similar into the USB port.** This could cause the tool to short-circuit, smoke or catch fire.
- **Do not use the machine as a work bench or work surface. Do not stand or sit on the machine.** This could damage the battery and result in a fire or explosion.
- **Do not transport sharp, hot or damp objects (liquids, pastes, or similar) in the machine. Only transport objects with a maximum weight of 5 kg (11 lbs) and do not overfill the machine.** You must be able to close the lid without using force. This could otherwise damage the battery and result in a fire or explosion.
- **Risk of explosion due to improper battery replacement or use of an incorrect battery type.** Only Festool customer service agents may replace the integrated battery.
- **Do not dispose of the device or battery in a fire or hot oven, and do not crush or cut**

them mechanically; this may cause an explosion. For correct disposal, see chapter 8.

- **CAUTION!** The mains plug is used to disconnect the machine from the power supply. The socket should be located near the machine and must be easily accessible at all times.



- **Do not set the machine to a high volume for long periods of time to prevent potential hearing damage.**



- **Hands and fingers must not be located between the lid and the bottom section when the machine is open.** If the lid falls shut, this may result in injuries to hands and fingers.

2.4 Information on charging the machine

- **Only charge the machine with the original mains adapter supplied.** There is a risk of fire when using an unsuitable mains adapter.
- **Do not connect the electrical outlet module, an alternative power source or a high-voltage tool to the USB port.** To do so would be a fire risk. The USB port is designed solely for charging low-voltage tools (5 V/1 A).
- Only charge the machine at a room temperature between 0 °C and 45 °C (32 °F and 113 °F).

3 Operation

Detailed information on operation: See the sticker in the lid. A detailed manual is available to download on the tool page at www.festool.com.

4 Intended use

- Transporting and storing tools and accessories.
- Receiving and reproducing **Bluetooth®** signals.
- Charging smart devices via USB 2.0.
- Use in a system with other Systainers.
- Connection with another TOPROCK BT 20 (stereo function).
- Use in a vehicle system.

5 Technical data

| Bluetooth® speaker | | TOPROCK BT 20 |
|--|---|---|
| Output | | 9 W x 2, THD = 5% @11 V 9 W x 2, THD = 1% @ 19 V |
| Battery | | 18650 lithium-ion cell battery (3S1P) 10,89 V/3350 mAh |
| | Charging time: | Approx. 3 hours |
| | Battery life | Approx. 20 hours at normal volume |
| Bluetooth® | | Bluetooth® v5.0, Class 2 (+2 dBm typical) Supports AVRCP 1.6 and A2DP 1.3. |
| | Audio codec | SBC/AAC |
| | Range (free field) | Approx. 50 metres (160 ft) |
| | Maximum transmission power at 2402 MHz ~ 2480 MHz: | +4 dBm (Bluetooth® EDR) |
| Speaker | | Dia. 50 mm (dia. 1 31/32") 8 ohm 5 W/8 W 4 speakers + bass reflex tube with neodymium magnet |
| DC-IN |  | Dia. 4.8 mm (dia. 3/16") 19 V |
| USB DC OUTPUT | | 5 V/1 A with overload protection |
| Maximum load | | 5 kg (11 lbs) |
| Permitted operating temperature range | | -10 °C to +40 °C (14 °F to 104 °F) |
| Permitted battery temperature for charging | | 0 °C to +45 °C (32 °F to 113 °F) |
| Lid weight | | 2.8 kg (6.2 lbs) |
| 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 |

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.com/service



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

- ▶ Clean the machine with a soft, dry cloth to prevent damage. Do not use solvents.
- ▶ Only an authorised service workshop may replace damaged integrated batteries.

7 Transportation

The Li-ion batteries included are subject to the requirements of the legislation on hazardous goods. The user must familiarise themselves with the local regulations prior to transport. Special requirements apply to shipping via third parties (e.g. air transport or haulage) and these must be observed. When preparing the item to be sent, a hazardous goods expert must be consulted. Only dispatch the machine if the battery is undamaged. Observe local regulations when shipping. Observe any further national regulations.

8 Environment

Before disposal

Qualified specialist only: Remove the integrated battery from the machine. To do so, unscrew the different housing components and remove the battery.

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

EU only: In accordance with EU directives on waste electrical and electronic equipment and batteries and accumulators and their implementation in national law, faulty or used electrical equipment, batteries and battery packs must be collected separately and recycled in an environmentally friendly manner.



This machine is labelled with the symbol for the separate collection of waste electrical and electronic equipment (WEEE). This means

that this machine must be recycled or dismantled in accordance with European Directive 2012/19/EU to reduce the environmental impact. Another option is to return this machine to authorised collection points or a dealer when purchasing new electrical or electronic equipment.

Used or faulty batteries must only be returned to collection points if discharged and secured against short-circuiting (e.g. by insulating the terminals with adhesive tape). The applicable regulations must be observed.

Batteries will then be recycled.

Information on REACH: www.festool.com/reach

9 General information

9.1 Information about Bluetooth®

The tool can be connected to a mobile device via 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.

The Bluetooth® word mark and the logos are registered trademarks of Bluetooth SIG, Inc.; they are used by TTS Tooltechnic Systems AG & Co. KG, and therefore by Festool, under licence.

9.2 Federal Communications Commission (FCC) Interference Statement

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the **FCC Rules**. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

NOTE: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

9.3 RSS Compliance Statement

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:

- (1) This device may not cause interference; and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device. This device has been designed and complies with the safety requirement for RF exposure in accordance with RSS-102, issue 5 for portable conditions.

9.4 Notes (ISED)

This Class B digital apparatus complies with Canadian ICES-003 and RSS-210. Operation is subject to the following two conditions:

- (1) this device may not cause interference
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

9.5 Radio frequency (RF) Exposure Information

The radiated output power of the Wireless Device is below the Innovation, Science and Economic Development (ISED) radio frequency exposure limits. The Wireless Device should be used in such a manner such that the potential for human contact during normal operation is minimized.