

1 Information about the documentation

1.1 Explanation of symbols used

1.1.1 Warnings

Warnings alert persons to hazards that may occur when handling or using the product. The following signal words are used in combination with a symbol:

	DANGER! Draws attention to an imminent hazard that will lead to serious personal injury or fatality.
	WARNING! Draws attention to a potential hazard that could lead to serious personal injury or fatality.
	CAUTION! Draws attention to a potentially dangerous situation that could lead to minor personal injury or material damage.

1.1.2 Symbols in the documentation

The following symbols are used in this document:

	Read the operating instructions before use
	Instructions for use and other useful information

1.1.3 Symbols in the illustrations

The following symbols are used in illustrations:

	These numbers refer to the corresponding illustrations found at the beginning of these operating instructions.
	The numbering reflects the sequence of operations shown in the illustrations and may deviate from the steps described in the text.
	Item reference numbers are used in the overview illustration and refer to the numbers used in the key in the product overview section.
	This symbol is intended to draw special attention to certain points when handling the product.

1.2 Declaration of conformity

We declare, on our sole responsibility, that the product described here complies with the applicable directives and standards. A copy of the declaration of conformity can be found at the end of this documentation. The technical documentation is filed and stored here:

Hilti Entwicklungsgesellschaft mbH | Tool Certification | Hiltistrasse 6 | 86916 Kaufering, Germany

1.3 Product information

Hilti products are designed for professional use and may be operated, serviced and maintained only by trained, authorized personnel. This personnel must be informed of any particular hazards that may be encountered. The product and its ancillary equipment may present hazards when used incorrectly by untrained personnel or when used not as directed. The type designation and serial number are printed on the type identification plate.

- ▶ Write down the serial number in the table below. You will be required to state the product details when contacting Hilti Service or your local Hilti organization to enquire about the product.

Product information

Type:	R6-22
Generation:	01
Serial number:	

2 Safety

2.1 General safety instructions

WARNING! Read all instructions! Failure to follow all instructions listed below can result in electric shock, fire and/or serious injury. Keep these instructions in a handy yet secure place.

Workplace

- ▶ Ensure that the workplace is well lit.
- ▶ Do not tamper with or attempt to make alterations to the appliance.
- ▶ The charger is not designed for wall mounting.
- ▶ Keep your work area clean and well lit. Cluttered or poorly lit work areas invite accidents.
- ▶ Do not operate the charger in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Chargers can cause sparks which can ignite dust, fumes or vapors.
- ▶ Keep children and other persons away from the area while the charger is in use.
- ▶ Always stow the battery charger securely to prevent it sliding about in a vehicle during transport.

Personal safety

- ▶ Do not wear jewelry such as rings or chains. Jewelry could cause a short circuit resulting in personal injury in the form of burns.
- ▶ Take care to ensure that the charger stands in a steady, secure position. A falling battery or charger can endanger you and/or others.
- ▶ Avoid touching the contacts.
- ▶ Batteries that have reached the end of their life must be disposed of safely and correctly to avoid environmental pollution.
- ▶ Children are not permitted to play with the appliance and must be instructed accordingly.

Battery charger use and care

- ▶ Use the charger only to charge the specified **Hilti** batteries.
- ▶ Maintain the appliance carefully. Check to ensure that no parts are broken or damaged in such a way that the appliance might no longer function correctly. Have damaged parts repaired before using the appliance.
- ▶ Use chargers and the corresponding batteries in accordance with these instructions and as specified for this particular model. Use of chargers for applications other than those intended can result in hazardous situations.
- ▶ Recharge batteries only with the chargers recommended by the manufacturer. A charger that is suitable for a certain type of battery can be a fire hazard if used with other batteries.
- ▶ When not in use, keep the battery and the charger away from paper clips, coins, keys, nails, screws and other small metal objects that could cause a short circuit at the battery terminals or the charging contacts. A short circuit between the battery terminals or charging contacts can cause burn injuries and result in fire.
- ▶ Misuse can result in liquid escaping from the battery. Avoid contact with the liquid. If contact accidentally occurs, rinse off with water. If the liquid contacts the eyes, also seek medical attention. Liquid escaping from the battery can cause skin irritation or burns.
- ▶ Make sure that the batteries suffer no mechanical damage.

- ▶ Do not attempt to charge or continue to use damaged batteries (e.g. batteries with cracks, broken parts, bent or pushed-in and/or pulled-out contacts).

Service

- ▶ Have the appliance serviced by a qualified specialist using only genuine Hilti spare parts. The safety of the appliance can thus be maintained.

3 Description

3.1 Overview 1

① Display	⑩ Bluetooth button
② Power button	⑪ Equalizer button
③ Carrying handle	⑫ Time settings
④ Antenna	⑬ USB port
⑤ Knob	⑭ AUX port
⑥ Casing	⑮ Battery
⑦ Rubber armouring	⑯ NFC interface
⑧ Mode button	⑰ Battery compartment
⑨ Preset button	⑱ Supply cord holder

3.2 Intended use



Note

Do not use outdoors.

The device is a battery charger that can also play audio received by the built-in radio or via an AUX input. The device can play audio from various other devices either paired via Bluetooth or connected by an AUX cable.

The USB port can be used to charge other devices connected to this device.

The device is designed for use under jobsite conditions. Do not expose it to moisture or water.

Operate the device only at the voltage stated on the type identification plate. When powering the device by battery, use only the batteries specified by **Hilti**.

Interference (noise) can occur when the radio is set to AM or FM frequency reception while a battery is being charged.

3.3 Batteries

The appliance can be powered by the following **Hilti** batteries: B22



Note

Please note the approved batteries, as stated on the type identification plate.

The battery state of charge is shown continuously in the display. The battery symbol consists of 4 bars. Each bar stands for 25%.

If the battery symbol does not appear in the display either the battery is not correctly inserted or the battery or the appliance is defective. Stop using the appliance and the battery and have them checked by **Hilti** Service.

3.4 Information shown in the display

AM	The AM frequency band has been selected as the audio source.
FM	The FM frequency band has been selected as the audio source.
AUX	AUX has been selected as the audio source.
	Indicates the battery state of charge. A bar stands for 25 %.
	Bluetooth has been selected as the audio source.
	If the pairing symbol flashes, the device is searching for a player to which it can connect. If the pairing symbol shows continuously, a player is connected via Bluetooth.
BASS	Indicates the bass settings.
TREBLE	Indicates the treble settings.
STEREO	Indicates stereo playback. Stereo playback is activated automatically when signal reception is good enough.
<small>PRESET</small> 	Indicates the memory slot of the station.
08:00	Indicates the time. Symbols flash in setup mode.

3.5 Cradle for external devices [2](#)

Via Bluetooth or AUX, the appliance can play audio from external mobile devices such as mobiles/cellphones or tablet computers. An external device can be cradled securely on the appliance.

4 Technical data

4.1 Technical data

Power input	60 W
Battery operating voltage	21.6 V
Battery pack	Li-Ion
Weight (Without battery)	5.03 kg
AM frequency range	522 kHz ... 1,620 kHz
FM frequency range	87.5 MHz ... 108 MHz

USB output voltage	5.0 V / 2.1 A
Ambient temperature	-10 °C ... 40 °C

5 Operation

Inserting the back-up batteries	3
 Note Make sure that battery polarity is correct.	
 Note It is not possible to save settings unless the batteries are correctly installed.	
Audio playback from an external device via AUX	4
Inserting and removing the battery	5
Switching the appliance on / off	6
Setting the clock	7
 Note Automatic synchronization of clock time with radio time can be switched on or off.	
Establishing a Bluetooth connection	8
 Note If you are prompted for a code, enter the code 0000.	
Making an NFC connection	9
Setting the audio source	10
 Note Press the mode button to select the audio source: AM, FM, AUX or Bluetooth.	
Searching for and saving stations	11
 Note Quickly turn the knob a short distance to start the automatic station search.	
Automatic station search	12
 Note Long-press the knob to call up the automatic station search function, then short-press the knob to start the automatic station search.	
Positioning the antenna	13
Adjusting the volume	14
Equalizer settings	15
 Note This allows you to make adjustments to the bass and treble settings.	

6 Troubleshooting

6.1 The appliance is connected to the AC supply

Malfunction	Possible cause	Action to be taken
Border of the battery symbol flashes, no segment of the state of charge indicator filled.	Battery too hot	► Wait until the battery cools down.
	Battery too cold	► Wait until the battery warms up.

Malfunction	Possible cause	Action to be taken
Border of the battery symbol flashes, no segment of the state of charge indicator filled.	Battery defective	<ul style="list-style-type: none"> ▶ Check the battery by pressing the two buttons at the sides. If the LEDs light up the Radio Charger might be defective. If the LEDs do not light up the battery is defective. ▶ Contact Hilti Service.

6.2 Appliance in battery-powered operation

Malfunction	Possible cause	Action to be taken
The appliance does not start.	Battery discharged	▶ Charge the battery, insert a new battery, or connect the appliance to the AC supply.
	Battery defective	<ul style="list-style-type: none"> ▶ Check the battery by pressing the two buttons at the sides. If the LEDs light up the Radio Charger might be defective. If the LEDs do not light up the battery is defective. ▶ Contact Hilti Service.
	Appliance defective	▶ Contact Hilti Service.
Border of the battery symbol flashes, no segment of the state of charge indicator filled (the indicator assumes this state for a short time before the appliance switches itself off).	Battery too hot	▶ Wait until the battery cools down.
	Battery too cold	▶ Wait until the battery warms up.
	Battery defective	<ul style="list-style-type: none"> ▶ Check the battery by pressing the two buttons at the sides. If the LEDs light up the Radio Charger might be defective. If the LEDs do not light up the battery is defective. ▶ Contact Hilti Service.
The appliance loses the time and the last settings.	Batteries discharged	▶ Replace the back-up batteries.

7 Care and maintenance

7.1 Care and maintenance of the appliance

- ▶ **Keep the appliance clean and free from oil and grease. Do not use cleaning agents which contain silicone.**
- ▶ Never operate the appliance with the air vents clogged. Clean the air vents carefully using a dry brush. Do not permit foreign matter to penetrate inside the appliance.
- ▶ Clean the outside of the appliance at regular intervals with a slightly damp cloth. Do not use a spray, steam pressure cleaning equipment or running water for cleaning.

7.2 Care of the Li-ion battery



Note

Battery discharge is stopped automatically before the battery cells suffer damage.

A conditioning charge of the battery is not necessary.

Interruption of the charging operation has no negative effect on battery life.

Charging can be started at any time with no negative effect on battery life.

If the battery no longer reaches full charge, it may have lost capacity due to aging or overstraining. It is possible to continue working with a battery in this condition but it should be replaced in good time.

- ▶ Charge batteries fully before using them for the first time.
- ▶ Do not allow moisture to enter the interior.

- ▶ For best results, batteries should be stored fully charged in a cool, dry place.



Note

Storing the battery in places subject to high ambient temperatures (e.g. at a window) has an adverse effect on battery life and increases the rate of self-discharge.

8 Disposal

 Most of the materials from which **Hilti** tools and appliances are manufactured can be recycled. The materials must be correctly separated before they can be recycled. In many countries, your old tools, machines or appliances can be returned to **Hilti** for recycling. Ask **Hilti** Service or your Hilti representative for further information.



- ▶ Disposal of electric tools or appliances together with household waste is not permissible.

9 Manufacturer's warranty

- ▶ Please contact your local **Hilti** representative if you have questions about the warranty conditions.

When using the product, maintain a distance of 10mm from the body to ensure compliance with RF exposure requirements.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications or changes to this equipment. Such modifications or changes could void the user's authority to operate the equipment.

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.

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

IC Notice:

When using the product, maintain a distance of 10mm from the body to ensure compliance with RF exposure requirements.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

This device complies with Canada Industry licence-exempt RSS standard(s).

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.

CAN ICES-3 (B)

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage;
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

NMB-3 (B)