

GB Operating Instructions  
Battery-powered Drill/Screwdriver  
with Adjustable Torque

**Einhell**<sup>®</sup>  
**bavaria**

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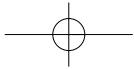
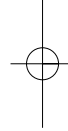
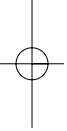
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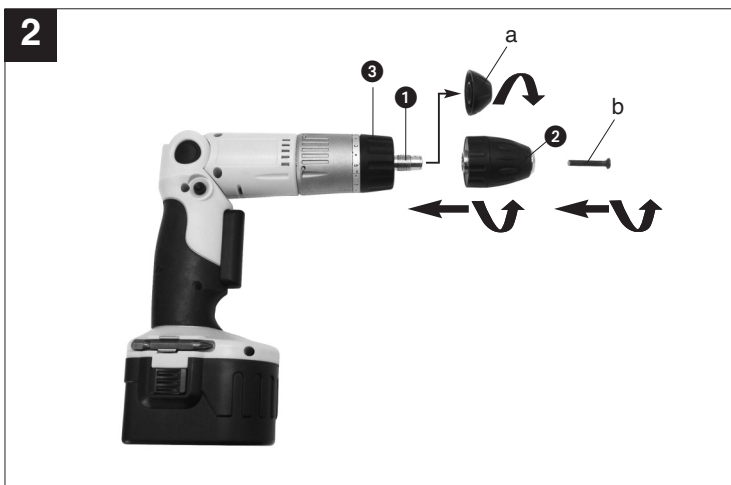
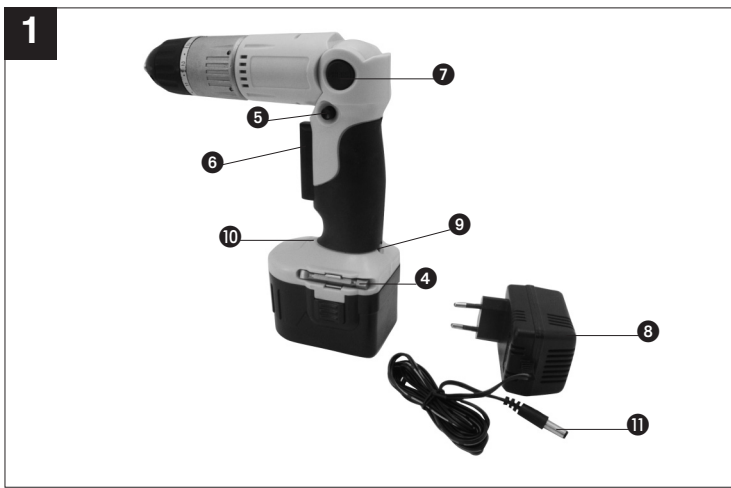


BAS **12 VARIO**



Ⓢ Read and follow the operating instructions and safety information before using for the first time.





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**⚠ Important!**

When using equipment, a few safety precautions must be observed to avoid injuries and damage. Please read the complete operating manual with due care. Keep this manual in a safe place, so that the information is available at all times. If you give the equipment to any other person, give them these operating instructions as well.  
We accept no liability for damage or accidents which arise due to non-observance of these instructions and the safety information.

**1. Safety information**

Please refer to the booklet included in delivery for the safety instructions.

**2. Layout:**

- 1 Bit mount
- 2 Keyless chuck
- 3 Torque selector
- 4 Bit holder
- 5 Changeover switch for forward/reverse
- 6 On/Off switch
- 7 Locking button
- 8 Battery charger
- 9 Charging connection
- 10 Control lamp for charging
- 11 Charging cable

**3. Proper use**

The cordless drill/screwdriver is designed for tightening and undoing screws, as well as for drilling in wood, metal and plastic.

Please note that our equipment has not been designed for use in commercial, trade or industrial applications. Our warranty will be voided if the machine is used in commercial, trade or industrial businesses or for equivalent purposes.

**4. Important information**

Be sure to read the following information before you use your cordless screwdriver for the first time:

1. Charge the battery pack with the charger supplied. An empty battery pack requires a charging period of approximately 3-5 hours.
2. Only ever use sharp drill bits and screwdriver bits which are suitable for the purpose and in faultless condition.

3. Always check for concealed electric cables and gas and water pipes when drilling and screwing in walls.

**5. Starting up****Charging the NC battery pack**

1. Check that your mains voltage is the same as that marked on the rating plate of the battery charger. Plug the battery charger in the socket-outlet and connect the charging cable to the charging connection.
2. The red LED (10) will come on to indicate that the battery pack is being charged.
3. An empty battery pack requires a maximum charging period of 5 hours. The temperature of the battery pack may rise slightly during the charging operation. This is normal.

**Important! The charger does not switch off automatically when the battery pack is fully charged!**

Disconnect the charging cable from the screwdriver after charging.

If the battery pack fails to become charged, please check

- whether there is voltage at the socket-outlet
- whether there is proper contact at the charging contacts on the charger.

If the battery still fails to become charged, please return

- the charger
  - the screwdriver
- to our Customer Service Department.

Timely recharging of the Ni-Cd battery pack is recommended in the interest of long battery life. Recharging is always necessary when you notice that the power of the battery-powered drill/screwdriver is decreasing.

Never allow the battery pack to discharge completely. This will result in damage to the Ni-Cd battery pack!

**Angle setting**

The screwdriver can be locked in 4 different angle settings. To do so, press and hold the locking button (7) and move the screwdriver into the desired position. Then release the locking button (7).

**Important! Before you switch on the screwdriver, make sure that it is correctly locked in the angle position in question.**

### Adjusting the torque (3)

The battery-powered drill/screwdriver is equipped with a 16-step mechanical torque adjustment facility. The torque for a specific size of screw is selected with the set-collar (Figure 3). The correct torque depends on several factors:

- on the type and hardness of material in question
- on the type and length screws used
- on the requirements needing to be met by the screwed joint.

The clutch disengages with a grating sound to indicate when the set torque is reached.

**Important! The tool must be at a standstill when you set the torque with the setting ring.**

### Drilling

For drilling purposes, move the set-collar to the last step „Drill“. In this setting the slip clutch is inactive. The maximum torque is available in drilling mode.

### Fitting the keyless chuck (Fig. 2)

- Unscrew the protective cap (a) from the bit mount as shown in Figure 2.
- Screw the keyless chuck (2) in reverse order onto the thread of the bit mount (1) and secure with the screw (b).

### Forward/Reverse switch (5)

With the slide switch above the On/Off switch you can select the direction of rotation of the battery-powered drill/screwdriver and secure it against being switched on accidentally. You can choose between clockwise and anticlockwise rotation. To avoid causing damage to the gearing it is advisable to change the direction of rotation only when the tool is at a standstill. The On/Off switch is blocked when the slide switch is in centre position.

### On/Off switch (6)

Infinitely variable speed control is possible with the On/Off switch. The further you press the switch, the higher the speed of the battery-powered drill/screwdriver.

### Screwdriving

We recommend using self-centering screws (e.g. Torx screws, recessed head screws) designed for reliable working. Be sure to use a bit that matches the screw in shape and size. Set the torque, as described elsewhere in these operating instructions, to suit the size of screw.

## 6. Technical data

Voltage supply	12 V d.c.
Speed	0-400 rpm
Torque	16 levels
Forward and reverse rotation	yes
Chuck clamping width	max. 10 mm
Battery charging voltage	12 V d.c.
Battery charging current	400 mA
Mains voltage for charger	230 V ~ 50 Hz
Sound pressure level $L_{pA}$	60,7 dB(A)
Sound power level $L_{WA}$	71,7 dB(A)
Vibration $a_{hv}$	< 2,5 m/s <sup>2</sup>
Weight	1 kg

## 7. Cleaning, maintenance and ordering of spare parts

Always pull out the mains power plug before starting any cleaning work.

### Cleaning

- Keep all safety devices, air vents and the motor housing free of dirt and dust as far as possible. Wipe the equipment with a clean cloth or blow it with compressed air at low pressure.
- We recommend that you clean the device immediately each time you have finished using it.
- Clean the equipment regularly with a moist cloth and some soft soap. Do not use cleaning agents or solvents; these could attack the plastic parts of the equipment. Ensure that no water can seep into the device.

### Maintenance

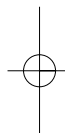
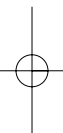
- There are no parts inside the equipment which require additional maintenance.

## 8. Disposal and recycling

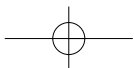
The unit is supplied in packaging to prevent its being damaged in transit. This packaging is raw material and can therefore be reused or can be returned to the raw material system.

The unit and its accessories are made of various types of material, such as metal and plastic. Defective components must be disposed of as special waste. Ask your dealer or your local council.

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# **GUARANTEE CERTIFICATE**

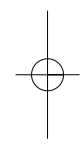
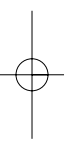
Dear Customer,

All of our products undergo strict quality checks to ensure that they reach you in perfect condition. In the unlikely event that your device develops a fault, please contact our service department at the address shown on this guarantee card. Of course, if you would prefer to call us then we are also happy to offer our assistance under the service number printed below. Please note the following terms under which guarantee claims can be made:

1. These guarantee terms cover additional guarantee rights and do not affect your statutory warranty rights. We do not charge you for this guarantee.
2. Our guarantee only covers problems caused by material or manufacturing defects, and it is restricted to the rectification of these defects or replacement of the device. Please note that our devices have not been designed for use in commercial, trade or industrial applications. Consequently, the guarantee is invalidated if the equipment is used in commercial, trade or industrial applications or for other equivalent activities. The following are also excluded from our guarantee: compensation for transport damage, damage caused by failure to comply with the installation/assembly instructions or damage caused by unprofessional installation, failure to comply with the operating instructions (e.g. connection to the wrong mains voltage or current type), misuse or inappropriate use (such as overloading of the device or use of non-approved tools or accessories), failure to comply with the maintenance and safety regulations, ingress of foreign bodies into the device (e.g. sand, stones or dust), effects of force or external influences (e.g. damage caused by the device being dropped) and normal wear resulting from proper operation of the device.  
  
The guarantee is rendered null and void if any attempt is made to tamper with the device.
3. The guarantee is valid for a period of 2 years starting from the purchase date of the device. Guarantee claims should be submitted before the end of the guarantee period within two weeks of the defect being noticed. No guarantee claims will be accepted after the end of the guarantee period. The original guarantee period remains applicable to the device even if repairs are carried out or parts are replaced. In such cases, the work performed or parts fitted will not result in an extension of the guarantee period, and no new guarantee will become active for the work performed or parts fitted. This also applies when an on-site service is used.
4. In order to assert your guarantee claim, please send your defective device postage-free to the address shown below. Please enclose either the original or a copy of your sales receipt or another dated proof of purchase. Please keep your sales receipt in a safe place, as it is your proof of purchase. It would help us if you could describe the nature of the problem in as much detail as possible. If the defect is covered by our guarantee then your device will either be repaired immediately and returned to you, or we will send you a new device.

Of course, we are also happy offer a chargeable repair service for any defects which are not covered by the scope of this guarantee or for units which are no longer covered. To take advantage of this service, please send the device to our service address.

Importer:  
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3123



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