

BGA 86

STIHL



2 - 16	Gebrauchsanleitung
16 - 29	Instruction Manual
29 - 44	Notice d'emploi
45 - 59	Istruzioni d'uso
59 - 73	Handleiding



24 Anschriften

STIHL Hauptverwaltung

ANDREAS STIHL AG & Co. KG
Postfach 1771
D-71307 Waiblingen

STIHL Vertriebsgesellschaften

DEUTSCHLAND

STIHL Vertriebszentrale AG & Co. KG
Robert-Bosch-Straße 13
64807 Dieburg
Telefon: +49 6071 3055358

ÖSTERREICH

STIHL Ges.m.b.H.
Fachmarktstraße 7
2334 Vösendorf
Telefon: +43 1 86596370

SCHWEIZ

STIHL Vertriebs AG
Isenrietstraße 4
8617 Mönchaltorf
Telefon: +41 44 9493030

Contents

1	Introduction.....	16
2	Guide to Using this Manual.....	16
3	Overview.....	17
4	Safety Precautions.....	18
5	Preparing the Blower for Operation.....	22
6	Charging the Battery, LEDs.....	22
7	Activating and Deactivating Bluetooth® Radio Interface.....	22
8	Assembling the Blower.....	23
9	Removing and Fitting the Battery.....	23
10	Switching the Blower On/Off.....	23
11	Testing the Blower and Battery.....	24
12	Operating the Blower.....	24
13	After Finishing Work.....	24
14	Transporting.....	24
15	Storing.....	25
16	Cleaning.....	25
17	Maintenance and Repairs.....	25
18	Troubleshooting.....	26
19	Specifications.....	27
20	Spare Parts and Accessories.....	28
21	Disposal.....	28
22	EC Declaration of Conformity.....	28
23	UKCA Declaration of Conformity.....	28

24 Addresses..... 29

1 Introduction


Dear Customer,

Thank you for choosing STIHL. We develop and manufacture our quality products to meet our customers' requirements. The products are designed for reliability even under extreme conditions.

STIHL also stands for premium service quality. Our dealers guarantee competent advice and instruction as well as comprehensive service support.

STIHL expressly commit themselves to a sustainable and responsible handling of natural resources. This user manual is intended to help you use your STIHL product safely and in an environmentally friendly manner over a long service life.

We thank you for your confidence in us and hope you will enjoy working with your STIHL product.



Dr. Nikolas Stihl

**IMPORTANT! READ BEFORE USING AND
KEEP IN A SAFE PLACE FOR REFERENCE.**

2 Guide to Using this Manual

2.1 Applicable documents


The local safety regulations apply.

► In addition to this User Manual, you should also read, understand and retain the following documents:

- User Manual for STIHL AR battery
- User Manual for "AP belt bag with connecting cable"
- Safety instructions and precautions for STIHL AP battery
- User Manual for STIHL AL 101, 301, 301-4, 501 chargers
- Safety information for STIHL batteries and products with built-in battery:
www.stihl.com/safety-data-sheets

For further information on STIHL connected, compatible products and FAQs, please visit www.connect.stihl.com or available from a STIHL authorized dealer.

The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. These word marks and logos are used by STIHL under license.

Batteries with  are equipped with a Bluetooth® radio interface. Local operating restrictions (in aircraft or hospitals, for example) must be complied with.

2.2 Symbols used with warnings in the text



WARNING

- This symbol indicates dangers that can cause serious injuries or death.
 - ▶ The measures indicated can avoid serious injuries or death.

NOTICE

- This symbol indicates dangers that can cause damage to property.
 - ▶ The measures indicated can avoid damage to property.

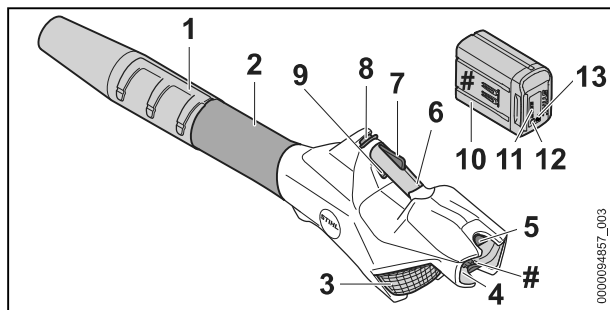
2.3 Symbols in Text



This symbol refers to a chapter in this instruction manual.

3 Overview

3.1 Blower



1 Nozzle

The nozzle directs and concentrates the air stream.

2 Blower tube

The blower tube directs the air stream.

3 Shield

The shield protects the user from moving parts inside the blower.

4 Battery compartment

The battery compartment holds the battery.

5 Locking lever

The locking lever holds the battery in the battery compartment.

6 Control handle

The control handle is used to operate, control and carry the blower.

7 Ergo lever

The Ergo lever holds the release slide in position when the trigger is released.

8 Release slide

The release slide releases the trigger.

9 Trigger

The trigger turns the blower on and off.

10 Battery

The battery supplies the blower with energy.

11 LEDs

The LEDs indicate the state of charge of the battery and any faults.

12 Pushbutton

The pushbutton activates the LEDs on the battery. The pushbutton activates and deactivates Bluetooth® radio interface (if available).

13 "BLUETOOTH®" LED (only for batteries with)

The LED indicates the activation and deactivation of the Bluetooth® interface.

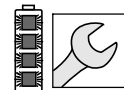
Rating plate with the machine number

3.2 Symbols

The symbols may appear on the blower and the battery. Their meaning is as follows:



1 LED lights up red. The battery is too warm or too cold.



4 LEDs flash red. There is an error in the battery.



Guaranteed sound power level in accordance with Directive 2000/14/EC in dB(A) for the purpose of comparing the sound emissions of products.



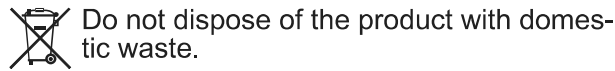
Recharge this battery with a STIHL charger. The admissible chargers are listed in these safety instructions.



The battery is equipped with a Bluetooth® radio interface and can be paired with the STIHL connected app.



The information next to the symbol indicates the energy content of the battery according to the cell manufacturer's specification. The energy content available in operation is lower.



4 Safety Precautions

4.1 Warning symbols

The warning symbols on the blower or the battery have the following meanings:



Observe safety warnings and take the necessary precautions.



Read and understand the User Manual and keep it in a safe place for reference.



Wear protective glasses.



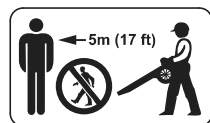
Observe the safety advice concerning flying objects and associated measures.



Secure long hair so that it cannot be pulled into the blower.



Remove the battery during work interruptions, transport, storage, maintenance or repair.



Maintain a safe distance.



Protect the battery against heat and fire.




Do not immerse the battery in liquids.

4.2 Intended Use

The STIHL BGA 86 blower is designed for blowing leaves, grass, paper and similar matter.

The blower can be used in the rain.

The blower is supplied with energy by a STIHL AP battery or a STIHL AR battery.

The battery with  in combination with the STIHL connected app enables customization and the transfer of information to the battery using Bluetooth® technology.

⚠ WARNING

- Batteries not approved by STIHL for the blower can cause fires and explosions. Persons may be seriously or fatally injured, and property may be damaged.
 - ▶ Operate the blower with a STIHL AP battery or a STIHL AR battery.
- Using the blower or battery other than for its intended use can result in serious injuries or death and damage to property.
 - ▶ Always use the blower as described in this User Manual.
 - ▶ Use the battery as described in this User Manual, the STIHL AR battery User Manual, the STIHL connected app and at www.connect.stihl.com.

4.3 Requirements concerning the user

⚠ WARNING

- Users who have not received instruction are not aware of and cannot assess the dangers of the blower and the battery. The user or other people may be seriously injured or killed.
 - ▶ Read the Instruction Manual, make sure you have understood it and keep it in a safe place for reference.
- ▶ If allowing another person to use the blower or the battery: Give them the Instruction Manual as well.
- ▶ Make sure that the user fulfills the following requirements:
 - The user is rested.
 - The user is physically, sensorially and mentally able to operate the blower and the battery and to work with them. If the user is able to operate the equipment but has physical, sensory or mental restrictions, the user may only work with the equipment under the supervision of or after receiving instruction from a responsible person.
 - The user can recognize and assess the hazards of the blower and battery.
 - The user is an adult, or is being trained in an occupation under supervision according to national regulations.
 - The user has received instruction from a STIHL servicing dealer or other expert before operating the blower for the first time.
 - The user is not under the influence of alcohol, medicines or drugs.

- ▶ If in any doubt: Contact a STIHL servicing dealer.

4.4 Clothing and Equipment

⚠ WARNING

- Long hair can be sucked into the blower during operation. This can result in serious injuries.



- ▶ Tie up long hair so that it is above shoulder level.

- Objects can be thrown through the air at high speed during operation. This can result in personal injury.



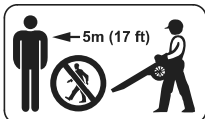
- ▶ Wear close-fitting safety glasses. Suitable glasses that have been tested and labeled in accordance with EN 166 or national standards are available from retailers.
- ▶ Wear long trousers.
- Dust can be whipped up during operation: Whipped up dust can damage the respiratory passages and cause allergic reactions.
 - ▶ If dust is generated: Wear a dust respirator mask.
- Unsuitable clothing can snag on wood, brush or the blower. Not wearing suitable clothing may result in serious injury.
 - ▶ Wear snug-fitting clothing.
 - ▶ Do not wear a scarf or jewelry.
- Wearing unsuitable footwear may cause you to slip or stumble. This can result in personal injury.
 - ▶ Wear sturdy enclosed footwear with non-slip soles.

4.5 Work Area and Surroundings

4.5.1 Blower

⚠ WARNING

- Bystanders, children and animals are not aware of the dangers of the blower and objects being thrown into the air and cannot assess them. This may result in serious injury to bystanders, children and animals and damage to property.



- ▶ Do not allow bystanders, children or animals within 5 meters of the work area.
- ▶ Maintain a clearance of 5 meters from objects.
- ▶ Do not leave the blower unattended.

- ▶ Ensure that children cannot play with the blower.
- Electrical components of the blower can produce sparks. Sparks may cause fires and explosions in highly flammable or explosive environments. Persons may be seriously or fatally injured and property may be damaged.
 - ▶ Do not work in a highly flammable or explosive environment.

4.5.2 Battery

⚠ WARNING

- Bystanders, children and animals cannot recognize or assess the dangers of the battery. Bystanders, children and animals may be seriously injured.
 - ▶ Keep bystanders, children and animals away from the work area.
 - ▶ Do not leave the battery unattended.
 - ▶ Make sure that children cannot play with the battery.
- The battery is not protected against all ambient conditions. If the battery is exposed to certain ambient conditions, the battery may catch fire, explode or be irreparably damaged. This may result in serious injury to people and damage to property.



- ▶ Protect battery from heat and fire.
- ▶ Do not throw the battery into a fire.

- ▶ Do not charge, use and store the battery outside of the specified temperature limits, 19.3.



- ▶ Do not immerse the battery in liquids.

- ▶ Keep battery away from small metal parts.
- ▶ Do not expose the battery to high pressure.
- ▶ Do not expose the battery to microwaves.
- ▶ Protect the battery from chemicals and salts.

4.6 Safe Condition

4.6.1 Blower

The blower is in a safe condition if the following conditions are fulfilled:

- The blower is undamaged.
- The blower is clean.
- The controls function properly and have not been modified.
- Original STIHL accessories are fitted.
- The accessories are correctly installed.

⚠ WARNING


- If not in safe condition, components may no longer operate correctly, and safety devices may be rendered ineffective. There is a risk of serious or fatal injury.
 - ▶ Never use a damaged blower.
 - ▶ If the blower is dirty: Clean the blower.
 - ▶ If the battery compartment is moist or wet: Allow the battery compartment to dry.
 - ▶ Do not modify the blower.
 - ▶ If the controls do not function properly: Do not work with the blower.
 - ▶ Fit original STIHL accessories designed for this blower model.
 - ▶ Install accessories as described in this User Manual or in the User Manual for the accessories.
 - ▶ Do not insert objects into the openings in the blower.
 - ▶ Replace worn or damaged labels.
 - ▶ If you are unsure: Contact a STIHL authorized dealer.

4.6.2 Battery

The battery is in a safe condition if the following points are observed:

- Battery is undamaged.
- The battery is clean and dry.
- Battery functions properly and has not been modified.

⚠ WARNING

- A battery that is not in a safe condition cannot operate safely. Persons may be seriously injured.
 - ▶ Never work with a damaged battery.
 - ▶ Never attempt to charge a damaged or defective battery.
 - ▶ If the battery is dirty: Clean the battery.
 - ▶ If the battery is wet or damp: Allow the battery to dry,  19.4.
 - ▶ Never attempt to modify the battery.
 - ▶ Never insert objects in the battery's openings.
 - ▶ Never bridge the battery's contacts with metallic objects (short circuit).
 - ▶ Do not open the battery.
 - ▶ Replace worn or damaged labels.
- Fluid may leak from a damaged battery. If that liquid comes into contact with the skin or eyes, the skin or eyes may be irritated.
 - ▶ Avoid contact with the liquid.
 - ▶ If skin contact occurs: Wash affected areas of skin with plenty of water and soap.

- ▶ In the event of contact with eyes: Rinse eyes with plenty of water for at least 15 minutes and consult a doctor.
- A damaged or defective battery may smell unusual, emit smoke or burn. Persons may be seriously or fatally injured, and property may be damaged.
 - ▶ If the battery smells unusual or emits smoke: do not use the battery and keep it away from combustible substances.
 - ▶ If the battery catches fire: Attempt to extinguish the battery with a fire extinguisher or water.

4.7 Operation

⚠ WARNING

- In certain situations the user may no longer be able to concentrate on the job. The user may trip, fall and be seriously injured.
 - ▶ Keep calm and plan your work.
 - ▶ In poor light conditions and poor visibility: Do not operate the blower.
 - ▶ Do not use the blower on your own.
 - ▶ Do not work above shoulder height.
 - ▶ Watch out for obstacles.
 - ▶ Stand safely on the ground and keep your balance. If you have to work at a height: use a lift bucket or secure scaffolding.
 - ▶ If you experience signs of fatigue: take a break.
 - ▶ Blow in direction of the wind.
- Objects may be thrown into the air at high speed while working. This can result in injuries to persons and animals and damage to property.
 - ▶ Do not direct air blast towards persons, pets and objects.



- If the blower starts behaving differently or in an unusual way while operating, the blower may be in an unsafe condition. This can result in serious injuries and damage to property.
 - ▶ Stop working, remove the battery and consult a STIHL servicing dealer.
- The blower may cause vibrations in operation.
 - ▶ Take breaks.
 - ▶ If signs of poor circulation appear: consult a doctor.
- The blower may become electrostatically charged due to flying dust. Under certain environmental conditions (e.g. dry environment), the blower may discharge suddenly resulting in sparks. Sparks can cause fires and explosions in a flammable or explosive environ-

ment. This can result in serious injuries or death and damage to property.

- ▶ Do not work in a flammable environment or in an explosive environment.

4.8 Transporting

4.8.1 Blower

⚠ WARNING

- The blower can turn over or move while being transported. This may result in personal injuries and damage to property.



- ▶ Remove the battery.

- ▶ Secure the blower with lashing straps or a net to prevent it turning over and moving.

4.8.2 Battery

⚠ WARNING

- The battery is not protected against all ambient conditions. The battery may be damaged if it is exposed to certain ambient conditions, and damage to property may occur.
 - ▶ Never transport a damaged battery.
- The battery may turn over or shift during transport. This may result in injury to people and damage to property.
 - ▶ Pack the battery in packaging in such a way that it cannot move.
 - ▶ Secure the packaging so that it cannot move.

4.9 Storing

4.9.1 Blower

⚠ WARNING

- Children are not aware of and cannot assess the dangers of a blower and can be seriously injured.



- ▶ Remove the battery.

- ▶ Store the blower out of the reach of children.

- Dampness can corrode the electrical contacts on the blower and metal components. The blower may be damaged.



- ▶ Remove the battery.

- ▶ Store the blower in a clean and dry condition.

4.9.2 Battery

⚠ WARNING

- Children are not aware of and cannot assess the dangers of the battery. Children may be seriously injured.
 - ▶ Store the battery out of the reach of children.
- The battery is not protected against all ambient conditions. If the battery is exposed to certain ambient conditions, the battery may be irreparably damaged.
 - ▶ Store the battery in a clean and dry condition.
 - ▶ Store the battery in an enclosed space.
 - ▶ Store the battery separately from the blower.
 - ▶ If the battery is stored in the charger, disconnect the mains plug and store the battery at a state of charge between 40% and 60% (2 lit green LEDs).
 - ▶ Do not store the battery outside of the specified temperature limits, 19.3.

4.10 Cleaning, Maintenance and Repair

⚠ WARNING

- If the battery is inserted when carrying out cleaning, servicing or repairs, it is possible for the blower to be switched on unintentionally. This may result in serious injury to people and damage to property.



- ▶ Remove the battery.

- Harsh detergents, cleaning with a water jet or sharp objects can damage the blower and the battery. If the blower or battery are not cleaned as described in this user manual, components may no longer function properly and safety devices may be rendered inoperative. People may be seriously injured.
 - ▶ Clean the blower and battery as described in this user manual.
- If the blower or battery are not properly serviced or repaired, components may no longer function properly and safety devices may be rendered inoperative. Persons may be seriously injured or killed.
 - ▶ Do not attempt to service or repair the blower or the battery yourself.

- ▶ If the blower or the battery require servicing or repairs: Contact a STIHL dealer for assistance.

5 Preparing the Blower for Operation

5.1 Preparing the blower for operation

The following steps must be performed before commencing work:

- ▶ Ensure that the following components are in a safe condition:
 - Blower, [4.6.1](#).
 - Battery, [4.6.2](#).
- ▶ Check the battery, [11.2](#).
- ▶ Fully charge battery as described in the User Manual for the STIHL AL 101, 301, 301-4, 501 chargers.
- ▶ Clean blower, [16](#).
- ▶ Attach nozzle, [8.1](#).
- ▶ Check the controls, [11.1](#).
- ▶ If it is not possible to carry out these steps: Do not use the blower and instead contact a STIHL authorized dealer.

5.2 Connecting a battery with Bluetooth® radio interface with the STIHL connected app

- ▶ Activate the Bluetooth® radio interface on the mobile device.
- ▶ Activating the Bluetooth® radio interface on the battery, [7.1](#).
- ▶ Download the STIHL connected app to the mobile device from the App Store and create an account.
- ▶ Open and sign in to the STIHL connected app.
- ▶ Add the battery in the STIHL connected app and follow the instructions on the screen.

For contacts and other information, please visit <https://support.stihl.com> or see the STIHL connected app.

The STIHL connected app is available internationally.

6 Charging the Battery, LEDs

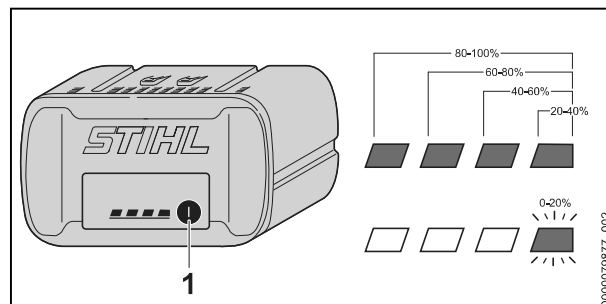
6.1 Charging the battery

The charging time depends on various factors, e.g. the battery temperature or the ambient temperature. For optimal performance, note the recommended temperature ranges, [19.4](#). The actual charging time may vary from the charging

time indicated. The charging time is indicated at www.stihl.com/charging-times.

- ▶ Recharge the battery as described in the User Manual for STIHL AL 101, 301, 301-4, 501 chargers.

6.2 Displaying the charge level



- ▶ Press the button (1).
The LEDs light up green for about 5 seconds and indicate the state of charge.
- ▶ If the LED on the right flashes green: Charge the battery.

6.3 LEDs on Battery


The LEDs can show the state of charge or malfunctions. The LEDs can glow or flash green or red.

The state of charge is indicated when the LEDs glow or flash green.


- ▶ If the LEDs glow or flash red: Troubleshooting, [18](#).
Malfunction in blower or battery.

7 Activating and Deactivating Bluetooth® Radio Interface

7.1 Activating the Bluetooth® Radio Interface


- ▶ If the battery has a Bluetooth® radio interface: Press and hold the pushbutton until the "BLUETOOTH®" LED next to the  symbol lights up blue for approximately 3 seconds. The Bluetooth® radio interface on the battery is activated.

7.2 Deactivating the Bluetooth® Radio Interface

- ▶ If the battery has a Bluetooth® radio interface: Press and hold the pushbutton until the "BLUETOOTH®" LED next to the  symbol lights up blue six times. The Bluetooth® radio interface on the battery is deactivated.

7.3 Reset battery to the factory setting via a Bluetooth® radio interface (AP 200.0 S, 300 S, 300.0 S, 500.0 S only)

Resetting the battery to the factory setting means that all user-specific data will be deleted.

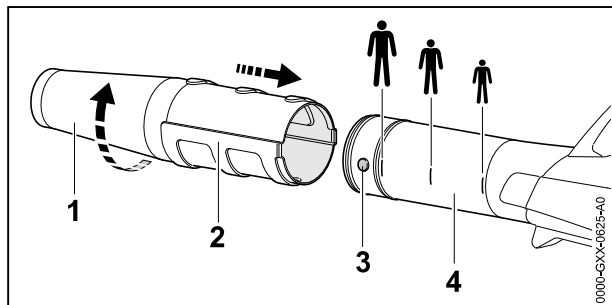
- ▶ Press the pushbutton four (4) times in quick succession and keep it pressed on the fourth time until the "BLUETOOTH®" LED next to the  symbol flashes blue.
- ▶ Then release the pushbutton immediately.
- ▶ Connect the battery to the STIHL connected app and check whether all user-specific data has been deleted.

8 Assembling the Blower

8.1 Attaching, adjusting and removing the nozzle

The nozzle can be attached to the blower tube in 3 positions, depending on the height of the user. The positions are marked on the blower tube.

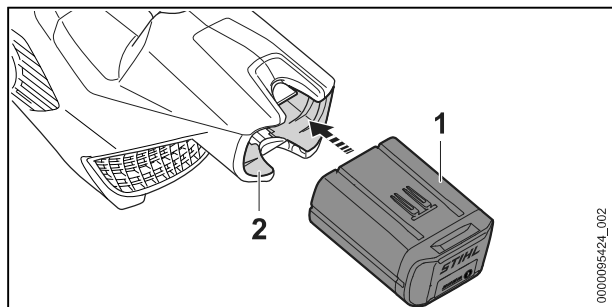
- ▶ Turn off the blower and remove the battery.



- ▶ Align the pin (3) with the slot (2).
- ▶ Push nozzle (1) into the desired position on the blower tube (4).
- ▶ Rotate nozzle (1) until it engages.

9 Removing and Fitting the Battery

9.1 Inserting the Battery

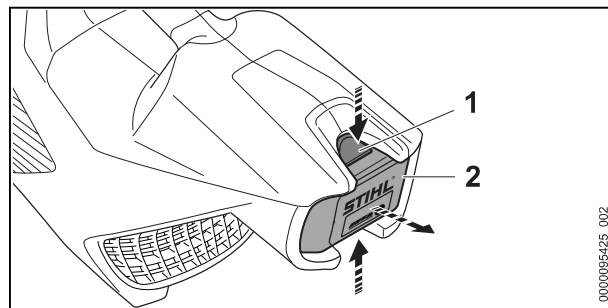


- ▶ Insert the battery (1) into the battery compartment (2) as far as it will go.

The battery (1) engages with a click and is now locked.

9.2 Removing the battery

- ▶ Keep one hand in front of the battery compartment so that the battery (2) cannot fall out.

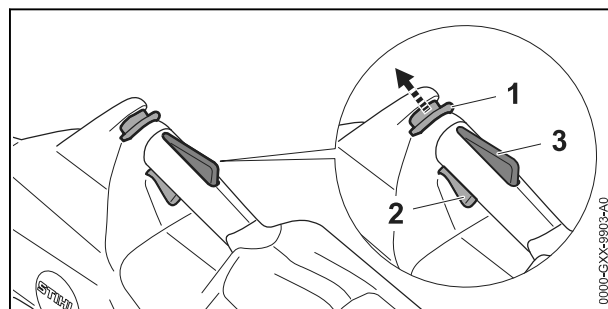


- ▶ Press both locking levers (1). The battery (2) is now unlocked and can be removed.

10 Switching the Blower On/Off

10.1 Switching On the Blower

- ▶ Hold the blower by the control handle with one hand, wrapping your thumb around the control handle.



- ▶ Slide the unlocking slide (1) with your thumb in the direction of the blower tube and keep it held.
- ▶ Squeeze and hold the trigger (2) with your index finger. The blower accelerates and air flows out of the nozzle. The release slide (1) can be released.

The further the trigger switch (2) is depressed, the more air flows out of the nozzle.

If the ergo lever (3) is pressed, the trigger switch (2) remains unlocked. This means the trigger can be released and depressed again without having to push the release slide in the direction of the blower tube.

If the trigger switch (2) and the ergo lever (3) are released, the trigger switch (2) is locked. The unlocking slide (1) must be slid in the direction of

the blower tube once more and held, to unlock the trigger switch (2).

10.2 Switching Off

- ▶ Release the trigger.
No air flows from the nozzle.
- ▶ If air continues to flow from nozzle: Remove the battery and contact your STIHL servicing dealer.
Blower has a malfunction.

11 Testing the Blower and Battery

11.1 Checking the controls

Release slide, Ergo lever and trigger

- ▶ Remove the battery.
- ▶ Try squeezing the trigger switch without activating the release slide.
- ▶ If the trigger switch can be squeezed: Do not use the blower. Consult a STIHL servicing dealer.
The release slide is faulty.
- ▶ Slide the unlocking slide with the thumb in the direction of the blower tube and keep it held.
- ▶ Press and hold Ergo lever.
- ▶ Press the trigger.
The release slide can be released.
- ▶ Release the trigger and the Ergo lever.
- ▶ If release slide, trigger or Ergo lever is stiff or does not spring back to the initial position: Stop using the blower and contact a STIHL dealer.
The release slide, trigger or the Ergo lever is defective.

Switching On the Blower

- ▶ Insert battery.
- ▶ Push unlocking slide towards the blower tube and hold in place.
- ▶ Press and hold the trigger.
Air flows out of the nozzle.
- ▶ If 3 LEDs flash red: Remove the battery and consult a STIHL dealer.
There is a fault in the blower.
- ▶ Release the trigger.
Air stops flowing out of the nozzle.
- ▶ If air continues to flow out of the nozzle: Remove the battery and consult a STIHL servicing dealer.
The blower is faulty.

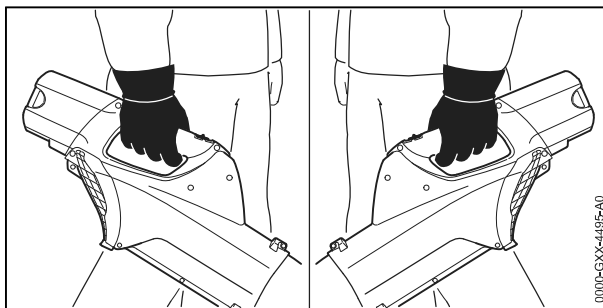
11.2 Testing the Battery

- ▶ Press button on battery.
The LEDs glow or flash.

- ▶ If the LEDs do not glow or flash: Do not use the battery and contact your STIHL servicing dealer.
There is a malfunction in the battery.

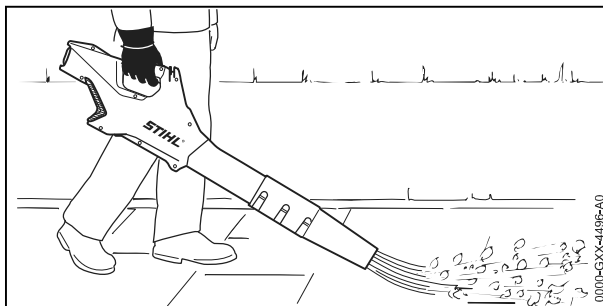
12 Operating the Blower

12.1 Holding and Guiding the Blower



- ▶ Hold and guide the blower by the control handle with one hand, wrapping your thumb around the control handle.

12.2 Blowing



- ▶ Point the nozzle at the ground.
- ▶ Walk forward slowly and steadily.

For optimum performance, observe the recommended temperature ranges, ☞ 19.4.

13 After Finishing Work

13.1 After Finishing Work

- ▶ Turn off the blower and remove the battery.
- ▶ If the blower is wet: Allow the blower to dry.
- ▶ If the battery is moist or wet: Allow the battery to dry, ☞ 19.4.
- ▶ Clean the blower.
- ▶ Clean the battery.

14 Transporting

14.1 Transporting the blower

- ▶ Switch off the blower and remove the battery.

Carrying the blower

- ▶ Carry blower by the control handle in one hand.

Transporting the blower in a vehicle

- ▶ Secure the blower so that it cannot topple over and cannot move.

14.2 Transporting the battery

- ▶ Turn off the blower and remove the battery.
- ▶ Check that the battery is in a safe condition.
- ▶ Pack the battery in packaging in such a way that it cannot move inside the packaging.
- ▶ Secure the packaging so that it cannot move.

The battery is subject to the Carriage of Dangerous Goods regulations. The battery is classified as UN 3480 (lithium ion batteries) and has been tested pursuant to UN Manual Tests and Criteria Part III, Subsection 38.3.

The transport regulations can be found at www.stihl.com/safety-data-sheets.


15 Storing**15.1 Storing the blower**

- ▶ Turn off the blower and remove the battery.
- ▶ The blower should be stored in such a way that the following conditions are fulfilled:
 - The blower cannot topple over and cannot move.
 - The blower must be out of the reach of children.
 - The blower must be clean and dry.

15.2 Storing the Battery

STIHL recommends keeping the battery in a charging state between 40% and 60 % (2 green LEDs lit).

- ▶ The battery should be stored in such a way that the following conditions are fulfilled:
 - The battery is out of the reach of children.
 - The battery is clean and dry.
 - The battery is in an enclosed space.
 - Battery is stored separately from the blower.
 - If the battery is stored in the charger, disconnect the mains plug and store the battery at a state of charge between 40% and 60% (2 lit green LEDs).

- Do not store the battery outside of the specified temperature limits,  19.3.

NOTICE

- If the battery is not stored as described in this User Manual, the battery may become deeply discharged and irreparably damaged.
 - ▶ Charge a discharged battery before storing it. STIHL recommends keeping the battery state of charge between 40% and 60% (2 lit green LEDs).
 - ▶ Store the battery separately from the blower.

16 Cleaning**16.1 Cleaning the blower**

- ▶ Switch off the blower and remove the battery.
- ▶ Clean blower with a damp cloth.
- ▶ Clean vents with a paintbrush.
- ▶ Remove foreign objects from the battery compartment and clean the battery compartment with a damp cloth.
- ▶ Clean the electrical contacts in the battery compartment with a paintbrush or soft brush.
- ▶ Clean the shield with a paintbrush or soft brush.

16.2 Cleaning the Battery

- ▶ Clean the battery with a damp cloth.

17 Maintenance and Repairs**17.1 Servicing and Repairing the Blower**

The blower cannot be serviced or repaired by the user.

- ▶ If your blower has a malfunction or is damaged or requires servicing: Contact your STIHL servicing dealer.




17.2 Servicing and Repairing the Battery

The battery requires no servicing and cannot be repaired.

- ▶ If the battery has a malfunction or is damaged: Replace the battery.

18 Troubleshooting

18.1 Troubleshooting the blower or battery

Error	LEDs on the battery	Cause	Remedy
The blower does not start when switched on.	1 LED flashing green.	The state of charge of the battery is too low.	► Recharge the battery fully as described in the user manual for the STIHL AL 101, 301, 301-4, 501 chargers.
	1 LED lights up steady red.	The battery is too warm or too cold.	► Remove the battery. ► Allow the battery to cool down or warm up.
	3 LEDs flash red.	There is an error in the blower.	► Remove the battery. ► Clean the electrical contacts in the battery compartment. ► Insert the battery. ► Switch on blower. ► If 3 LEDs continue to flash red: Do not use the blower and contact your STIHL dealer for assistance.
	3 LEDs light up red.	The blower is too warm.	► Remove the battery. ► Allow the blower to cool down.
	4 LEDs flash red.	There is an error in the battery.	► Remove battery and reinsert it. ► Switch on blower. ► If 4 LEDs continue to flash red: Do not use the battery and instead contact a STIHL authorized dealer for assistance.
		There is a break in the electrical connection between the blower and the battery.	► Remove the battery. ► Clean the electrical contacts in the battery compartment. ► Insert the battery.
		The blower or the battery is damp.	► Allow blower or battery to dry,  19.4.
The blower switches off while in operation.	3 LEDs light up red.	The blower is too warm.	► Remove the battery. ► Allow the blower to cool down.
		There is an electrical error.	► Remove battery and reinsert it. ► Switch on blower.
The blower operating time is too short.		The battery is not fully charged.	► Recharge the battery fully as described in the User Manual for the STIHL AL 101, 301, 301-4, 501 chargers.
		The battery service life has been exceeded.	► Replace battery.
The STIHL connected app is unable to find the battery with  .		The Bluetooth® radio interface on the battery or mobile device is deactivated.	► Activate the Bluetooth® radio interface on the battery or mobile device.
		Excessive distance between the battery and the mobile device.	► Reduce the distance,  19.2. ► If the STIHL connected app is still unable to find the battery: Contact a STIHL authorized dealer.

18.2 Product Support and Assistance on Use

For contacts and other information, please visit <https://support.stihl.com> or www.stihl.com.

Product support and assistance on use are available from STIHL servicing dealers.


19 Specifications

19.1 STIHL BGA 86 Blower

- Approved batteries:
 - STIHL AP
 - STIHL AR
- Blowing force: 15 N
- Maximum air speed: 69 m/s
- Average air speed: 58 m/s
- Air flow: 780 m³/h
- Weight without battery: 2.8 kg

For battery life see www.stihl.com/battery-life.

19.2 STIHL AP Battery

- Battery technology: Lithium-ion
- Voltage: 36 V
- Capacity in Ah: see rating label
- Energy content in Wh: see rating label
- Weight in kg: See rating label
- Bluetooth® radio interface (only for batteries with - Data connection: Bluetooth® 5.1. The mobile device must be compatible with Bluetooth® Low Energy 5.0 and support Generic Access Profile (GAP).
- Frequency band: ISM band 2.4 GHz
- Maximum RF power transmitted: 1 mW
- Signal range: approx. 10 m. The signal strength depends on the ambient conditions and the mobile device. The signal range can vary greatly depending on local conditions and the receiver used. The range may be perceptibly reduced inside enclosed rooms and through metal barriers (such as walls, shelves or cases).
- Mobile device operating system requirements: Android or iOS (current version or higher)

The power output of the battery may vary depending on the battery product used.

19.3 Temperature limits



WARNING

- The battery is not protected against all ambient conditions. If the battery is exposed to certain environmental conditions, it may catch fire or explode. This may result in serious injury to people and damage to property.
 - ▶ Do not charge the battery below - 20°C or above 50°C.
 - ▶ Do not use the blower or battery below - 20°C or above 50°C.
 - ▶ Do not store the blower or the battery below -20°C or above +70°C.

19.4 Recommended temperature ranges

For optimum performance of the blower and battery, observe the following temperature ranges:

- Charging: 5°C to 40°C
- Use: - 10 °C to + 40 °C
- Storage: - 20 °C to + 50 °C

If the battery is charged, used or stored outside the recommended temperature ranges, performance may be restricted.

If the battery is wet or moist, allow the battery to dry for at least 48 h between 15°C and 50°C and with less than 70% humidity. Higher humidity may extend the drying time.

19.5 Sound and vibration values

The K-value for the sound pressure level is 2 dB(A). The K value for the sound power level is 2 dB(A). The K value for the vibration level is 2 m/s².

STIHL recommends wearing hearing protection.

- Sound pressure level L_{pA} measured according to EN 50636-2-100: 79 dB(A).
- Sound power level L_{wA} measured according to EN 50636-2-100: 90 dB(A).
- Vibration level a_{hv} measured according to EN 50636-2-100, control handle: 0.5 m/s².

The sound and vibration values indicated were measured according to a standardized test method and can be used as a basis for comparing electric power tools. The actual sound and vibration levels may vary from the values indicated, depending on the type of application and the accessories used. The sound and vibration levels indicated can be used for an initial estimate of the sound and vibration load. The actual sound and vibration stress has to be estimated.

The times can be taken into account in the estimate when the electric power tool is switched off and also when it is switched on but running without any load.

For information on compliance with the Physical Agents (Vibration) Directive 2002/44/EC, see www.stihl.com/vib.

19.6 REACH

REACH is an EC regulation and stands for the Registration, Evaluation, Authorisation and Restriction of Chemical substances.

For information on compliance with the REACH regulation see www.stihl.com/reach.

20 Spare Parts and Accessories

20.1 Spare parts and accessories



These symbols indicate original STIHL spare parts and original STIHL accessories.

STIHL recommends the use of original STIHL spare parts and accessories.

Despite ongoing market observation, STIHL is unable to judge the reliability, safety and suitability of other manufacturers' spare parts and accessories; accordingly, STIHL cannot warrant for the use of those parts.

Original STIHL spare parts and original STIHL accessories are available from STIHL dealers.

21 Disposal

21.1 Disposing of the Blower and Battery

Contact the local authorities or your STIHL dealer for information on disposal.

Improper disposal can be harmful to health and pollute the environment.

- Take STIHL products including packaging to a suitable collection point for recycling in accordance with local regulations.
- Do not dispose with domestic waste.

22 EC Declaration of Conformity

22.1 STIHL BGA 86 Blower

ANDREAS STIHL AG & Co. KG
Badstraße 115

D-71336 Waiblingen

Germany

declares under our sole responsibility that

- Type: Cordless blower
- Manufacturer's brand: STIHL
- Model: BGA 86
- Serial number: BA02

conforms to the specifications of Directives 2011/65/EU, 2006/42/EC, 2014/30/EU and 2000/14/EC and has been developed and built in compliance with the versions of the following standards valid at the production date: EN 55014-1, EN 55014-2, EN 60335-1 and EN 50636-2-100.

The measured and guaranteed equivalent sound power level has been determined in accordance with Directive 2000/14/EC, Annex V.

- Measured sound power level: 90 dB(A)
- Guaranteed sound power level: 92 dB(A)

The technical documents are stored at ANDREAS STIHL AG & Co. KG Produktzulassung.

The year of construction, the country of manufacture and the machine number are shown on the blower.

Waiblingen, 2022-08-01

ANDREAS STIHL AG & Co. KG

pp

Robert Olma, Vice President, Regulatory Affairs & Global Governmental Relations

23 UKCA Declaration of Conformity

23.1 STIHL BGA 86 Blower



ANDREAS STIHL AG & Co. KG
Badstraße 115
D-71336 Waiblingen

Germany

declares under our sole responsibility that

- Type: Cordless blower
- Manufacturer's brand: STIHL
- Model: BGA 86
- Serial number: BA02

conforms to the relevant provisions of UK regulations The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012, Supply of Machinery (Safety) Regulations 2008, Electromagnetic Compatibility Regulations 2016 and Noise Emission in the Environment by Equipment for use Outdoors Regulations 2001 and has been manufactured in compliance with the following standards in the versions valid on the date of production: EN 55014-1, EN 55014-2, EN 60335-1 and EN 50636-2-100.

The measured and guaranteed sound power levels have been determined in accordance with UK regulations Noise Emission in the Environment by Equipment for use Outdoors Regulations 2001, Schedule 8.

- Measured sound power level: 90 dB(A)
- Guaranteed sound power level: 92 dB(A)

The technical documents are stored at ANDREAS STIHL AG & Co. KG.

The year of construction, the country of manufacture and the machine number are shown on the blower.

Waiblingen, 2022-08-01

ANDREAS STIHL AG & Co. KG

pp 

Robert Olma, Vice President, Regulatory Affairs & Global Governmental Relations

24 Addresses

www.stihl.com

Table des matières

1	Préface.....	29
2	Informations concernant la présente Notice d'emploi.....	30
3	Vue d'ensemble.....	30
4	Prescriptions de sécurité.....	31
5	Préparatifs avant l'utilisation du souffleur..	36
6	Recharge de la batterie et DEL.....	36
7	Activation et désactivation de l'interface radio Bluetooth®.....	37
8	Assemblage du souffleur.....	37
9	Introduction et extraction de la batterie.....	38
10	Mise en marche et arrêt du souffleur.....	38
11	Contrôle du souffleur et de la batterie.....	38

12	Travail avec le souffleur.....	39
13	Après le travail.....	39
14	Transport.....	39
15	Rangement.....	40
16	Nettoyage.....	40
17	Maintenance et réparation.....	40
18	Dépannage.....	41
19	Caractéristiques techniques.....	42
20	Pièces de rechange et accessoires.....	43
21	Mise au rebut.....	43
22	Déclaration de conformité UE.....	43
23	Déclaration de conformité UKCA.....	44
24	Adresses.....	44

1 Préface

Chère cliente, cher client,

Nous vous remercions d'avoir choisi un produit STIHL. Dans le développement et la fabrication de nos produits, nous mettons tout en œuvre pour garantir une excellente qualité répondant aux besoins de nos clients. Nos produits se distinguent par une grande fiabilité, même en cas de sollicitations extrêmes.

STIHL garantit également la plus haute qualité au niveau du service après-vente. Nos revendeurs spécialisés fournissent des conseils compétents, aident nos clients à se familiariser avec nos produits et assurent une assistance technique complète.

STIHL se déclare résolument en faveur d'un développement durable et d'une gestion responsable de la nature. La présente Notice d'emploi vous aidera à utiliser votre produit STIHL en toute sécurité et dans le respect de l'environnement, pendant toute sa longue durée de vie.

Nous vous remercions de votre confiance et vous souhaitons beaucoup de plaisir avec votre produit STIHL.



Dr. Nikolas Stihl

IMPORTANT ! LIRE CETTE NOTICE AVANT D'UTILISER CE PRODUIT ET LA CONSERVER PRÉCIEUSEMENT.

Traduction de la Notice d'emploi d'origine
000008809_013_F

Imprimé sur papier blanchi sans chlore
Le papier est recyclable.

© ANDREAS STIHL AG & Co. KG 2025
0458-824-9621-C, VA3.A25.