

KGA 770.0

STIHL



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i. V. 

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

24 UKCA-Konformitätserklärung

24.1 Kehrgerät STIHL KGA 770.0



ANDREAS STIHL AG & Co. KG
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Deutschland

erklärt in alleiniger Verantwortung, dass

- Bauart: Akku-Kehrgerät
- Fabrikmarke: STIHL
- Typ: KGA 770.0
- Serienidentifizierung: 4860

den einschlägigen Bestimmungen der UK-Verordnungen 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 und Noise Emission in the Environment by Equipment for use Outdoors Regulations 2001 entspricht und in Übereinstimmung mit den jeweils zum Produktionsdatum gültigen Versionen der folgenden Normen entwickelt und gefertigt worden ist: EN 55014-1, EN 55014-2, EN 60335-1, EN 60635-2-72.

Zur Ermittlung des gemessenen und des garantierten Schallleistungspegels wurde nach UK-Verordnung Noise Emission in the Environment by Equipment for use Outdoors Regulations 2001, Schedule 8 verfahren.

- Gemessener Schallleistungspegel: 80 dB(A)
- Garantierter Schallleistungspegel: 82 dB(A)

Die Technischen Unterlagen sind bei der ANDREAS STIHL AG & Co. KG aufbewahrt.

Das Baujahr, das Herstellungsland und die Maschinennummer sind auf dem Kehrgerät angegeben.

Waiblingen, 01.05.2023

ANDREAS STIHL AG & Co. KG

i. V. 

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

25 Anschriften

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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:
 - 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.

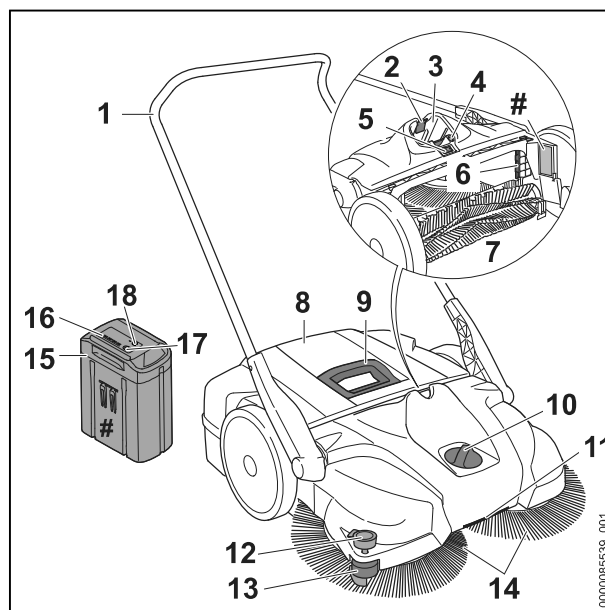
2.3 Symbols in Text



This symbol refers to a chapter in this instruction manual.

3 Overview

3.1 Push Sweeper and Battery



1 Push handle

The push handle is intended for holding and controlling the push sweeper.

2 Locking lever

The locking lever holds the battery in the battery compartment.

3 Battery compartment

The battery compartment holds the battery.

4 Reset button

The reset button resets the overload protection after it has been triggered.

5 Rocker switch

The rocker switch is used to switch the push sweeper on and off.

6 Air filter

The air filter filters the intake air.

7 Sweeper drum assembly

The sweeper drum assembly guides vacuumed dust and dirt into the container.

8 Container

The container collects the dirt.

9 Handle

The handle serves to remove and carry the container.

10 Rotary switch

The rotary switch is used to set the height of the circular brushes.

11 Carrying handle

The carrying handle is used to carry the push sweeper.

12 Hold-down device

The hold-down device pushes down the bristles of the circular brush on to the ground.

13 Guide roller

The guide roller guides the push sweeper along walls or curbstones.

14 Circular brush

The circular brushes serve to sweep up dirt.

15 Battery

The battery supplies the push sweeper with energy.

16 LEDs

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

17 Button

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

18 "BLUETOOTH" LED (only for batteries with

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

Rating plate with machine number**3.2 Symbols**

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



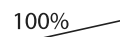
The surface pressure is too high.



The surface pressure is too low.



Turn in this direction to increase the surface pressure.



Note the maximum gradient.



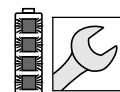
This product is designed for use with a STIHL battery. Permissible batteries are listed in this User Manual.



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



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



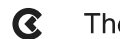
4 LEDs flash red. There is an error in the battery.



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



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.



Do not dispose of the product with domestic waste.

4 Safety Precautions**4.1 Warning Symbols**

The warning symbols on the push sweeper or the battery have the following meanings:



Observe safety notices and take the necessary precautions.



Read and understand the user manual and keep it in a safe place for reference.



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



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



Protect the battery against heat and fire.



Do not immerse the battery in liquids.

4.2 Intended Use

The STIHL KGA 770.0 push sweeper is designed for sweeping road dust, leaves, grass, paper or similar materials from flat and hard surfaces.

The STIHL KGA 770.0 push sweeper is not intended for sweeping:


- liquids, acids or solvents
- explosive dust or dust contaminated by pathogens and mold
- glowing particles, hot ash, lit cigarettes or similar materials

Do not use the push sweeper in the rain or in wet or very damp environments. Do not leave the push sweeper outdoors in the rain.

The push sweeper may be used with or without motor assistance.

The push sweeper is suitable for commercial use.

The push sweeper is powered by a STIHL AP battery and may only be used with a STIHL AP battery inserted directly in the push sweeper.

Combined with the STIHL connected app, the battery with  allows the personalization and transmission of information to the battery using Bluetooth® technology.

WARNING

- Batteries not approved by STIHL for the push sweeper can cause fires and explosions. Persons may be seriously or fatally injured, and property may be damaged.

- ▶ Operate the push sweeper with a STIHL AP battery.

- Using the push sweeper or battery other than for its intended use can result in serious injuries or death and damage to property.
 - ▶ Use the push sweeper as described in this user manual.
 - ▶ Use the battery as described in this user manual, the STIHL connected app and at <https://connect.stihl.com/>.

4.3 Requirements for users

WARNING

- Users who have not received instruction are not aware of and cannot assess the dangers of the push sweeper and the battery. The user or other persons may sustain serious or fatal injuries.



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

- ▶ If the push sweeper or battery is passed on to another person: Always give them the user manual.
- ▶ Make sure that the user meets the following conditions:
 - The user is rested.
 - This machine and the battery must not be used by persons (including children) with impaired physical, sensory or mental abilities or lack of experience and know-how.
 - The user can recognize and assess the hazards of the push sweeper 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 dealer or other expert

before operating the high-pressure washer for the first time.

- The user is not under the influence of alcohol, medication or drugs.
- ▶ If you are unsure: Consult a STIHL authorized dealer.

4.4 Clothing and Equipment

⚠ WARNING

- Long hair may be pulled into the push sweeper while working. This may result in serious injury to the user.



- ▶ Tie up and secure long hair above your shoulders.

- Dust may be whipped up during operation. Whipped up dust can damage the respiratory passages and cause allergic reactions.
 - ▶ Wear a dust respirator mask.
- Inappropriate clothing can snag on the push sweeper. Users not wearing suitable clothing may be seriously injured.
 - ▶ Wear close-fitting clothing.
 - ▶ Remove scarves and jewelry.
- Users can come into contact with the circular brushes or the sweeper drum assembly during cleaning and maintenance work. This may result in injury to the user.
 - ▶ Wear work gloves made of robust material.
- Wearing unsuitable footwear may cause the user to slip. This may result in injury to the user.
 - ▶ Wear sturdy, closed-toed footwear with non-slip soles.

4.5 Work Area and Surroundings

4.5.1 Working area and surroundings

⚠ WARNING

- Bystanders, children and animals cannot recognize or assess the dangers of the push sweeper. Bystanders, children and animals may be seriously injured.
 - ▶ Keep bystanders, children and animals away from the working area.
 - ▶ Do not leave the push sweeper unattended.

▶ Make sure that children cannot play with the push sweeper.

- The push sweeper's electrical components 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,  20.3.



- ▶ 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 Push Sweeper

The push sweeper is in safe condition when the following conditions are met:

- The push sweeper is undamaged.
- The push sweeper is clean and dry.

- The controls function properly and have not been modified.
- The container is correctly fitted.
- This push sweeper is fitted with original STIHL accessories for it.
- The accessories are correctly installed.

WARNING


- If not in safe condition, components may no longer operate correctly and safety devices may be rendered ineffective. This can result in serious or fatal injuries.
 - ▶ Work only with an undamaged push sweeper.
 - ▶ If the push sweeper is dirty or wet: clean the push sweeper and allow it to dry.
 - ▶ If the controls do not function properly: Do not work with the push sweeper.
 - ▶ Never attempt to modify the push sweeper.
 - ▶ Fit original STIHL accessories designed for this push sweeper.
 - ▶ Install the container as described in this user manual.
 - ▶ Install accessories as described in this user manual or in the user manual for the accessories.
 - ▶ Never insert objects in the openings of the push sweeper.
 - ▶ Replace worn or damaged warning signs.
 - ▶ If you are unsure: Consult 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,  20.4.
 - ▶ 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 their work. This may result in the user stumbling, falling and suffering serious injury.
 - ▶ Work calmly and methodically.
 - ▶ If light and visibility are poor: Do not work with the push sweeper.
 - ▶ Operate the push sweeper on your own.
 - ▶ Watch out for obstacles.
 - ▶ Work standing on the ground and keep your balance.
 - ▶ If you start feeling fatigue: Take a break.
- The rotating circular brushes and the sweeper drum assembly can cut the user. This may result in serious injury to the user.
 - ▶ Do not touch the circular brush and the sweeper drum assembly.
 - ▶ If the circular brushes or the sweeper drum assembly is blocked by an object: Turn off the push sweeper and remove the battery before clearing the jam.
- If the push sweeper starts behaving differently or in an unusual way while operating, the push sweeper may be in an unsafe condition. This may result in serious injury to people and damage to property.
 - ▶ Stop working, remove the battery and consult a STIHL authorized dealer.
- Vibrations may occur while operating the push sweeper.
 - ▶ Take breaks.

- ▶ If signs of a circulatory disorder occur: Consult a doctor.
- Do not knock against objects, scaffolding or shelves during operation as they may tip over or objects may fall down. The user may be seriously injured and property damage may occur.
 - ▶ Do not knock against objects, scaffolding or shelves.
- When the push sweeper is parked on steep slopes, it may roll away. Persons may be injured or property may be damaged.
 - ▶ Park the push sweeper only on level ground and secure it against rolling away.
- Shards, parts of metal or other sharp-edged materials may be located in the container. When emptying the container, the user may suffer serious injuries or property may be damaged.
 - ▶ Wear work gloves.
- When fastening objects to the push handle, the push sweeper may tip over due to the additional weight. Persons may be injured or property may be damaged.
 - ▶ Do not attach objects to the push handle.

4.8 Transporting

4.8.1 Push Sweeper

! WARNING

- The push sweeper can tip over or move while being transported. Persons may be injured or property may be damaged.
 - ▶ Set the rocker switch to position 0.
 - ▶ Remove the battery.
- 
- ▶ Secure the push sweeper with lashing straps, belts, or a net so that it cannot tip over or move.
 - The handle on the container serves to remove and carry the container. It is not suitable for carrying the push sweeper. When carrying the push sweeper by the handle of the container, the container may become unintentionally detached and cause damage to property.
 - ▶ Carry the push sweeper as described in this user manual.

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 Push Sweeper

! WARNING

- Children are not aware of and cannot assess the dangers of the push sweeper. Children may be seriously injured.
 - ▶ Set the rocker switch to position 0.
 - ▶ Remove the battery.
- 
- ▶ Store the push sweeper out of the reach of children.
 - Moisture may cause the electrical contacts on the push sweeper and metal components to corrode. The push sweeper may be damaged.
 - ▶ Set the rocker switch to position 0.
 - ▶ Remove the battery.




- ▶ Store the push sweeper in a clean and dry condition.
- The push handle may fold down unintentionally, and parts of your body may become caught between the push handle and the housing. This can result in personal injuries.
 - ▶ Do not reach within the swivel range of the push handle.
- Bent or kinked bristles can become permanently deformed.
 - ▶ Store the push sweeper so that the bristles of the circular brushes are not kinked or bent.

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 push sweeper.
 - ▶ 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,  20.3.

4.10 Cleaning, Maintenance and Repair

WARNING

- If the battery is inserted when carrying out cleaning, maintenance or repairs, the push sweeper may be switched on unintentionally. This may result in serious injury to people and damage to property.
 - ▶ Set the rocker switch to position 0.
 - ▶ Remove the battery.










- Harsh detergents, cleaning with a water jet or sharp objects can damage the push sweeper and the battery. If the push sweeper or the battery is not cleaned correctly, components may no longer function properly or safety devices may be rendered inoperative. This can result in serious injury.
 - ▶ Clean the push sweeper and battery as described in this user manual.
- If the push sweeper or the battery is not properly serviced or repaired, components may no longer function properly and safety devices may be rendered inoperative. This can result in serious or fatal injuries.
 - ▶ Do not attempt to service or repair the push sweeper and battery yourself.
 - ▶ If the push sweeper or the battery requires servicing or repairs: Contact a STIHL authorized dealer for assistance.


5 Preparing the push sweeper for operation

5.1 Preparing the sweeper for operation

The following steps must be performed before commencing work:

- ▶ Ensure that the following components are in a safe condition:
 - Push sweeper,  4.6.1.
 - Battery,  4.6.2.
- ▶ Check the battery,  11.
- ▶ Fully charge the battery as described in the User Manual for the STIHL AL 101, 301, 301-4, 501 chargers.
- ▶ Cleaning the push sweeper,  16.1.
- ▶ Attaching the push handle,  8.1.
- ▶ Adjusting the height of the circular brushes,  12.2.
- ▶ Check the controls,  11.1.
- ▶ If you cannot carry out these steps: Do not use the sweeper and instead contact a STIHL authorized dealer for assistance.

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

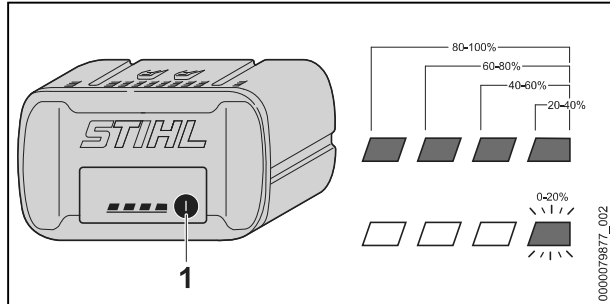
6.1 Charging the battery

The charging time depends on various factors, e.g. the battery temperature or the ambient temperature. For optimal performance, note the recommended temperature ranges,  20.4. 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 the Battery

The LEDs can indicate the state of charge of the battery or any faults. The LEDs can may light up steady or flash in green or red.

If the LEDs light up steady or flash green, this indicates the state of charge of the battery.

- If the LEDs light up steady or flash red: Troubleshooting, 19.1.
The push sweeper or battery malfunctions.

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)

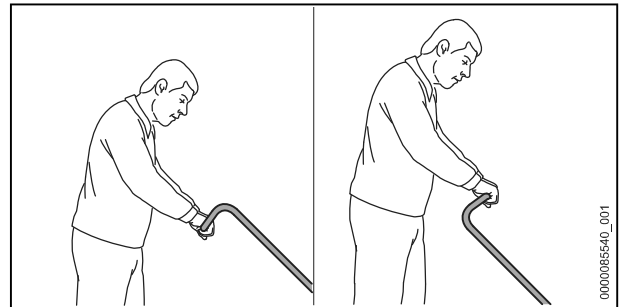
Resetting the battery to the factory setting means that all user-specific data will be deleted.

- 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.

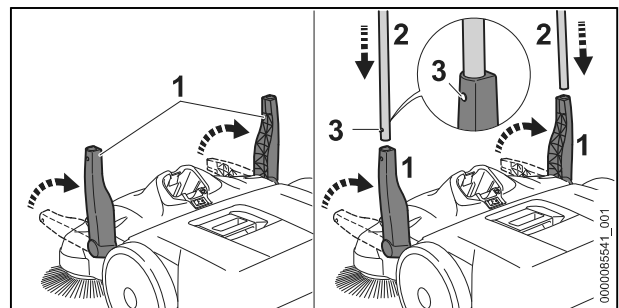
8 Assembling the push sweeper

8.1 Attaching the Push Sweeper

The push handle can be attached in 2 positions, depending on the height of the user.



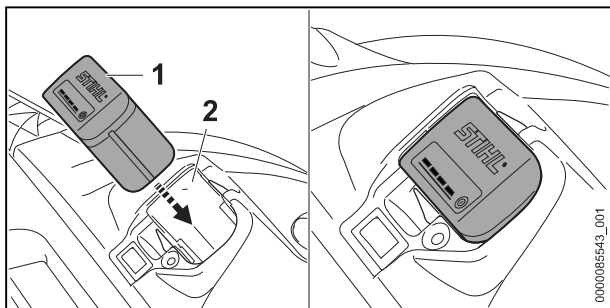
- Adjust the push handle to suit the user's height.
- Switch off the push sweeper and remove the battery.



- Align both holders (1) to an upright position.
- Slide the push handles (2) simultaneously into the holders (1).
The spring clips (3) must engage audibly.

9 Removing and Fitting the Battery

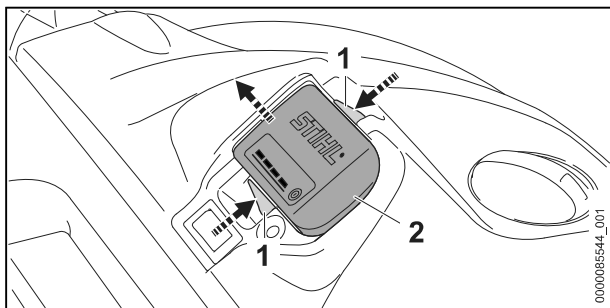
9.1 Inserting the Battery



- ▶ 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

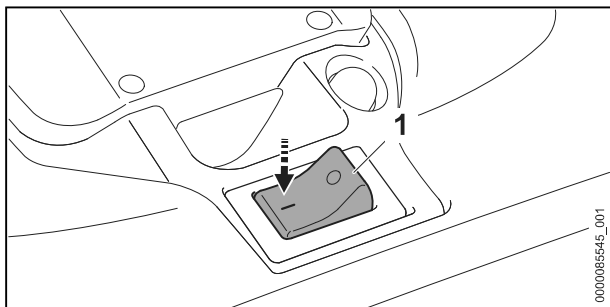
- ▶ Place the push sweeper on a level surface.



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

10 Switching the Push Sweeper On/Off

10.1 Switching the push sweeper on



- ▶ Manually move the rocker switch (1) to position I. The circular brushes and sweeper drum assembly begin to turn.

10.2 Switching the Push Sweeper Off

- ▶ Set the rocker switch to position 0.
- ▶ Wait until the circular brushes and the sweeper drum assembly no longer turn.
- ▶ If the circular brushes and the sweeper drum assembly continue to turn: Remove the battery and contact your STIHL authorized dealer for assistance. The push sweeper malfunctions.

11 Checking the Push Sweeper and Battery

11.1 Checking the Controls

Switching the push sweeper on

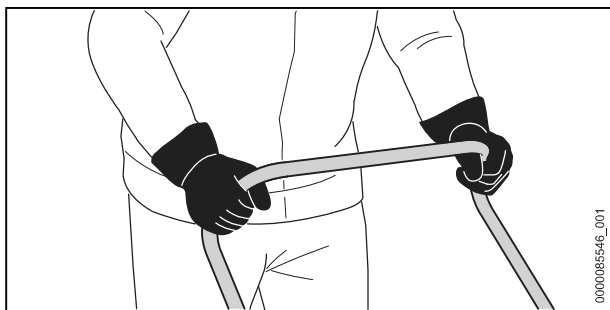
- ▶ Insert the battery.
- ▶ Set the rocker switch to position I. The circular brushes and sweeper drum assembly begin to turn.
- ▶ If 3 LEDs are flashing red: Remove the battery and consult a STIHL authorized dealer. The push sweeper malfunctions.
- ▶ Set the rocker switch to position 0. Wait until the circular brushes and the sweeper drum assembly no longer turn.
- ▶ If the circular brushes and the sweeper drum assembly continue to turn: Remove the battery and contact your STIHL authorized dealer for assistance. The push sweeper malfunctions.

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 Working with the push sweeper

12.1 Holding and guiding the push sweeper



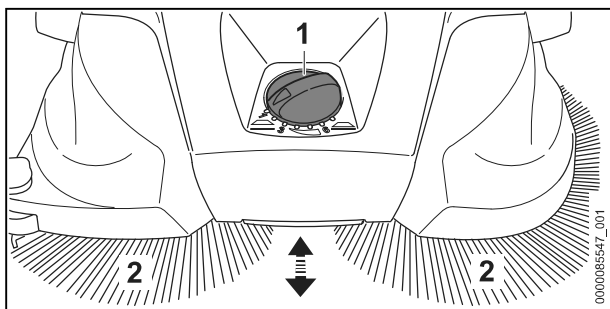
- Hold the push handle with both hands so that your thumbs wrap around the push handle.

12.2 Adjusting the Height of the Circular Brushes

The height of the circular brushes can be set to 7 positions, depending on the application.

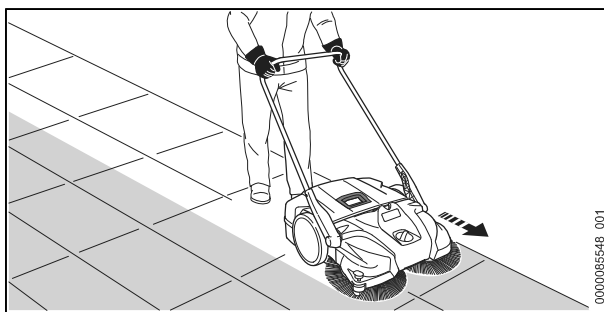
- Stage 1 and Stage 2: for level surfaces
- Stage 3 and Stage 4: for uneven surfaces, wet leaves or sand
- Stage 5 to Stage 7: for readjustment when the bristles are worn down

The bristles of the circular brushes must only rest on the ground with light pressure. Excessive surface pressure will accelerate wear and tear and reduces the operating time of the battery.



- Turn the rotary switch (1) to the desired position.
The bristles (2) of the circular brushes rest with only light pressure on the ground.

12.3 Sweeping



- Move the push sweeper slowly and steadily forwards.
- Adapt the speed to the environment.
- You can drive over small elevations of 2 - 3 cm by pushing the push handle down slightly.

For optimum performance, note the recommended temperature ranges, [20.4](#).

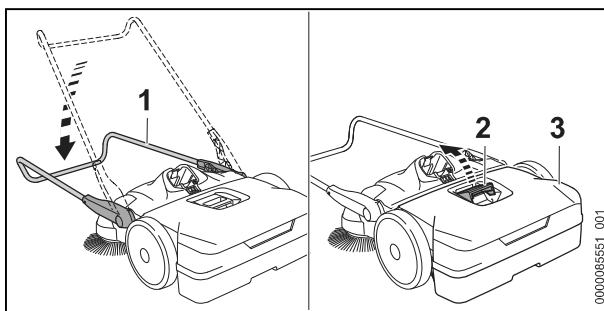
12.4 Emptying the Container

STIHL recommends emptying the container only outdoors.

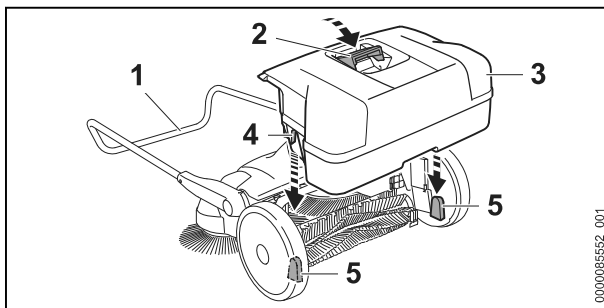
The sweeper container is full if the dirt that is collected during sweeping, escapes on the side.

To be able to continue working temporarily, lift the push sweeper at the front to move the dirt in the container towards the back. This makes better use of the capacity of the container.

- Switch off the push sweeper and remove the battery.



- Fold the push handle (1) down.
- Pull the handle (2) upward.
- Remove the container (3) and empty it.

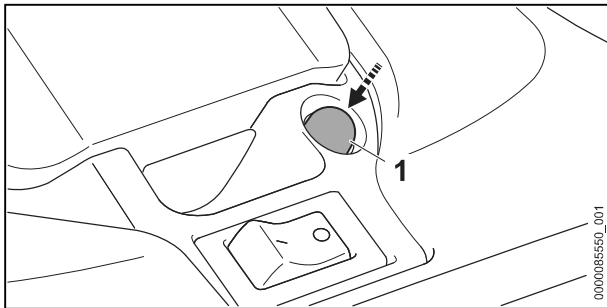


- ▶ Insert the container (3) in the push sweeper so that the recesses (4) on the container (3) fit into the mountings (5) of the push sweeper.
- ▶ Depress the handle (3).
- ▶ Fold the push handle (1) up.

12.5 Resetting Overload Protection

The push sweeper is equipped with overload protection. The overload protection interrupts the power supply to the push sweeper in the case of mechanical overload. The overload protection thus prevents damage to the push sweeper.

- ▶ Switch off the push sweeper and remove the battery.
- ▶ Wait a few minutes.
The push sweeper must cool down.
- ▶ Remove the jamming in the circular brush or sweeper drum assembly.



- ▶ Depress the reset button (1).
The reset button (1) engages in position. The circuit is no longer interrupted.
- ▶ If the reset button (1) does not engage in position: Wait a few minutes and then depress the reset button (1) again.
The push sweeper has not cooled down sufficiently.
- ▶ Insert the battery and switch the push sweeper on.

13 After Finishing Work

13.1 After Finishing Work

- ▶ Switch off the push sweeper and remove the battery.
- ▶ Remove the container and empty it.
- ▶ If the push sweeper is wet: allow the push sweeper to dry.
- ▶ If the battery is moist or wet: allow the battery to dry, 20.4.
- ▶ Clean the push sweeper.
- ▶ Clean the circular brush and sweeper drum assembly.
- ▶ Clean the battery.

14 Transporting

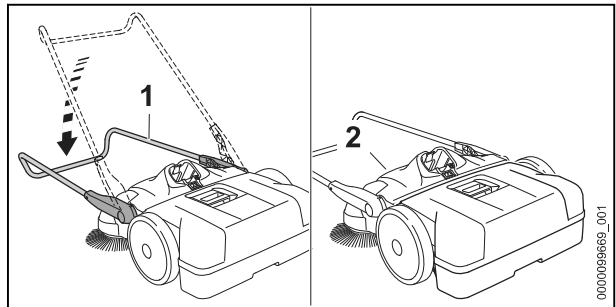
14.1 Transporting the Push Sweeper

- ▶ Switch off the push sweeper and remove the battery.

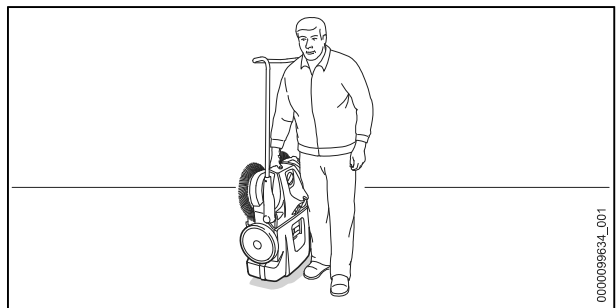
Moving the push sweeper

- ▶ Move the push sweeper slowly and steadily forwards.

Carrying the push sweeper

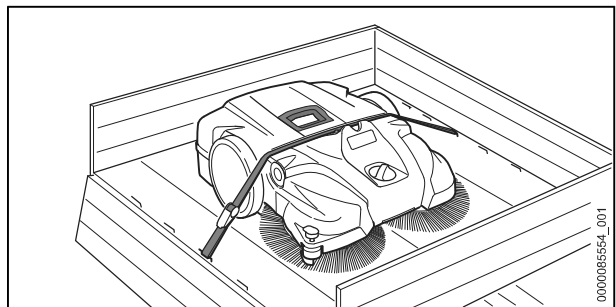


- ▶ Fold the push handle (1) down.
- ▶ Grip the push sweeper by the handle (2) and set it up vertically.



- ▶ Carry the push sweeper by the handle – the circular brushes must face away from the body.

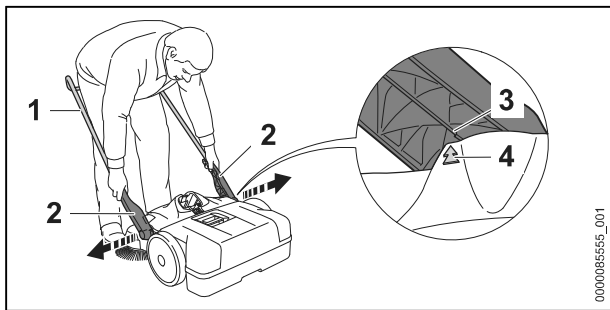
Transporting the push sweeper by vehicle



- ▶ When you wish the push sweeper to be transported in a space-saving manner.
 - ▶ Dismantle the push handle with the holder.
- ▶ Position the push sweeper so that the bristles of the circular brushes are not bent.
- ▶ Secure the push sweeper with a lashing strap between the container and the housing.

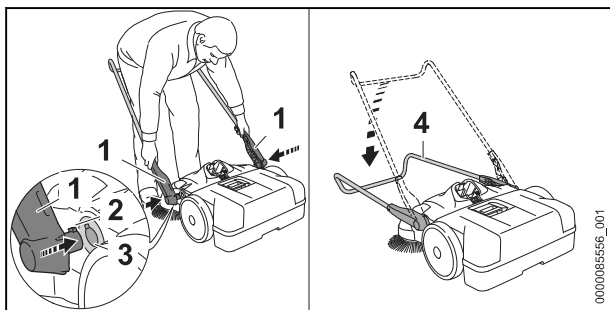
- Secure the push sweeper so that it cannot tip over or move.

Dismantling the push handle with the holder



- Position the push handle (1) at an angle of 45°. The arrows (4) on the housing must align with the crosspiece (3) on the holder (2).
- Pull the holder (2) somewhat apart and remove it.

Attach the push handle with the holder



- Pull the holder (1) slightly apart and hold it.
- Insert the locking catches (2) into the recesses of the mountings (3).
- Fold the push handle (4) down as far as possible. The push handle (4) must engage in position with an audible click.

14.2 Transporting the Battery

- Switch off the push sweeper 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.

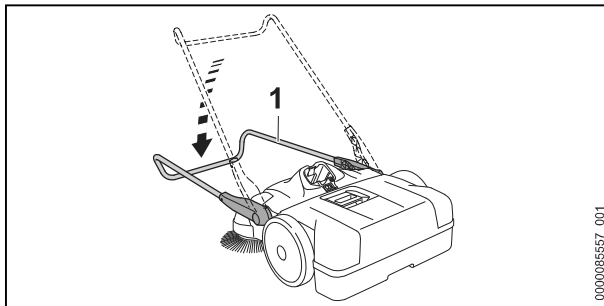
The battery is subject to the Carriage of Dangerous Goods regulations. The battery is classified as UN 3480 (lithium ion batteries) and has been tested pursuant to UN Manual Tests and Criteria Part III, Subsection 38.3.

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

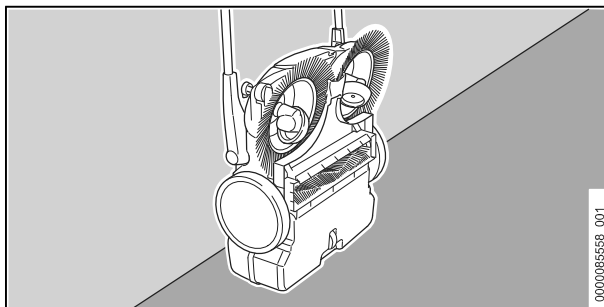
15 Storing

15.1 Storing the Push Sweeper

- Switch off the push sweeper and remove the battery.



- Fold the push handle (1) down.



- Place the push sweeper in an upright position and secure it against falling over.
- Secure the push handle against folding down unintentionally.
- Store the push sweeper in such a way that the following conditions are fulfilled:
 - The push sweeper cannot tip over and cannot shift.
 - The push sweeper is out of the reach of children.
 - The push sweeper is clean and dry.

15.2 Storing the battery

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

- 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.
 - The battery is separate from the push sweeper.
 - 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, 20.3.

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 storing the battery in a state of charge between 40% and 60% (2 lit green LEDs).
 - ▶ Store the battery separately from the push sweeper.

16 Cleaning

16.1 Cleaning the Push Sweeper

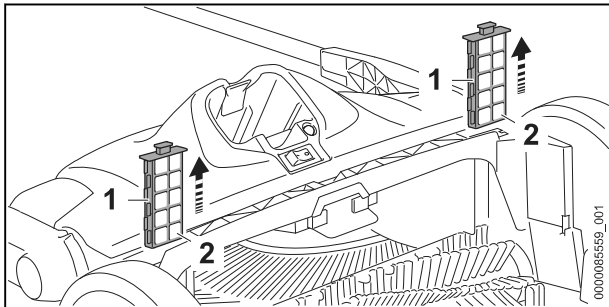
- ▶ Switch off the push sweeper and remove the battery.
- ▶ Clean the push sweeper with a damp cloth.
- ▶ Clean the ventilation slots with a brush.
- ▶ Remove foreign objects from the battery compartment and clean the battery compartment with a damp cloth.
- ▶ Clean the electrical contacts in the battery compartment with a paintbrush or soft brush.

16.2 Cleaning the Circular Brushes and the Sweeper Drum Assembly

- ▶ Switch off the push sweeper and remove the battery.
- ▶ If the circular brushes or the sweeper drum assembly are blocked: Carefully remove any coiled or jammed particles.
- ▶ Clean the circular brushes and the sweeper drum assembly with a wet cloth.

16.3 Cleaning the Air Filter

- ▶ Switch off the push sweeper and remove the battery.
- ▶ Remove the container.



- ▶ Pull the air filter (1) out of the guides.
- ▶ Remove the foam inserts (2).
- ▶ Rinse the foam inserts (2) under warm running water.

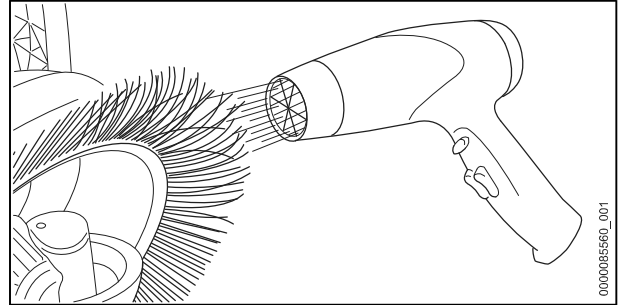
- ▶ If the air filter (1) is damaged: Install a new air filter (1).
- ▶ Allow the foam inserts (2) to dry in the air.
- ▶ Insert the foam inserts (2) in the air filters (1).
- ▶ Insert the air filters (1) in the guides of the push sweeper.

16.4 Cleaning the Battery

- ▶ Clean the battery with a damp cloth.

17 Maintenance

17.1 Straightening bent bristles

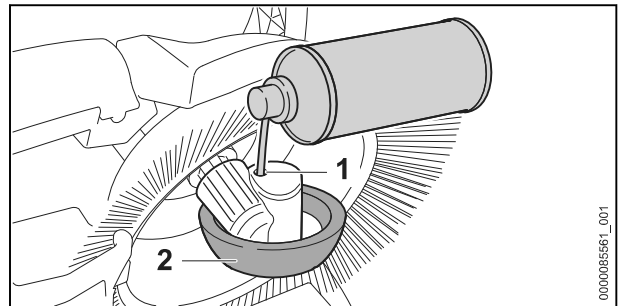


- ▶ Carefully heat bristles with a hot air blower (e.g., a hairdryer) and straighten them.

NOTICE

- Too high temperatures, hot air or open flames will permanently damage the bristles.
 - ▶ Use a hot air blower to straighten the bristles.

17.2 Lubricating the gearbox



- ▶ Place push sweeper upright.
- ▶ Spray an alcohol-based silicone spray through the opening (1) in the gear housing (2).

18 Repairing

18.1 Repairing the Push Sweeper and the Battery

Users should not repair the push sweeper or the battery themselves.



- If the push sweeper, circular brushes or the sweeper drum assembly is damaged: Do not





use your push sweeper and contact your STIHL authorized dealer instead.

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

19 Troubleshooting

19.1 Troubleshooting the sweeper or the battery

Error	LEDs on the battery	Cause	Remedy
The push sweeper does not start when switched on.	1 LED flashes green.	State of charge of the battery is too low.	► Charge battery as described in the User Manual for chargers STIHL AL 101, 301, 301-4, 501.
	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.	The push sweeper malfunctions.	► Remove the battery. ► Clean the electrical contacts in the battery compartment. ► Insert the battery. ► Switch on the push sweeper. ► If 3 LEDs continue to flash red: Do not use the push sweeper; contact a STIHL authorized dealer.
	3 LEDs light up red.	The push sweeper is too hot.	► Remove the battery. ► Allow the push sweeper to cool down.
	4 LEDs flash red.	There is an error in the battery.	► Remove the battery and reinsert it. ► Switch on the push sweeper. ► 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 push sweeper and the battery.	► Remove the battery. ► Clean the electrical contacts in the battery compartment. ► Insert the battery.
		The push sweeper or the battery is damp.	► Allow the push sweeper or the battery to dry,  20.4.
The push sweeper cuts out during operation.	3 LEDs light up red.	The push sweeper is too hot.	► Remove the battery. ► Allow the push sweeper to cool down.
		The overload protection has tripped.	► Clean the push sweeper. ► Resetting the overload protection,  12.5.
		There is an electrical error.	► Remove the battery and reinsert it. ► Switch on the push sweeper.
The runtime of the push sweeper is too short.		The battery is not fully charged.	► Fully charge the battery 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 push sweeper can only be moved with difficulty.		The circular brushes, sweeper drum assembly or wheels are jammed.	► Remove the jamming on the circular brushes, sweeper drum assembly or wheels.

Error	LEDs on the battery	Cause	Remedy
		The surface pressure of the circular brushes is too high.	► Adjusting the height of the circular brushes,  12.2.
		The gear components are stiff.	► Lubricate the gearbox,  17.2.
Dirt escapes on the sides.		The container is full.	► Empty the container.
The sweeping rate is too low.		The container is full or the dirt in the container is too heavy.	► Empty the container.
		The circular brushes or the sweeper drum assembly is worn down.	► Replace the circular brushes or the sweeper drum assembly.
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,  20.2. ► If the STIHL connected app is still unable to find the battery: Contact a STIHL authorized dealer.

19.2 Product Support and Assistance on Use

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

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


20 Specifications

20.1 KGA 770.0 Push Sweeper

- Approved battery: STIHL AP
- Theoretical sweeping performance: 3250 m²/h
- Maximum container capacity: 40 l
- Weight (m_{min}) without battery: 16.9 kg
- Maximum total weight (m_{max}): 27.9 kg
- Electrical degree of protection: IPX3 (protection against spraying water)
- Maximum gradient: 100% (45°)

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

20.2 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.

20.3 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 push sweeper or battery below -20 °C or above +50 °C.
 - ▶ Do not store the push sweeper or the battery below -20°C or above +70°C.

20.4 Recommended Temperature Ranges

For optimum performance of the push sweeper and the 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.

20.5 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_p measured according to EN 60335-2-72: 64 dB(A).
- Sound power level L_w measured according to EN 60335-2-72: 80 dB(A).
- Vibration level a_{hv} measured according to EN 60335-2-72: < 2.5 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 further details on compliance with Vibration Directive 2002/44/EC, visit www.stihl.com/vib.

20.6 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.

21 Spare Parts and Accessories

21.1 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.

22 Disposal

22.1 Disposal of the Push Sweeper and the Battery

Contact local authorities or a STIHL authorized 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.

23 EC Declaration of Conformity

23.1 KGA 770.0 Push Sweeper

ANDREAS STIHL AG & Co. KG
Badstraße 115

D-71336 Waiblingen

Germany

declares under its sole responsibility that

- Category: Cordless sweeper
- Manufacturer's brand: STIHL
- Model: KGA 770.0
- Serial number: 4860

conforms to the relevant provisions of Directives 2011/65/EU, 2006/42/EC, 2014/30/EU and 2000/14/EC and has been developed and 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 60335-2-72.

The measured and guaranteed sound power levels were determined according to Directive 2000/14/EC, Annex V.

- Measured sound power level: 80 dB(A)
- Guaranteed sound power level: 82 dB(A)

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

The year of manufacture, country of manufacture and machine number are shown on the push sweeper.

Waiblingen, 2023-05-01

ANDREAS STIHL AG & Co. KG



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

24 UKCA Declaration of Conformity

24.1 STIHL KGA 770.0 Push Sweeper



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

Germany

declares under its sole responsibility that

- Category: Cordless sweeper
- Manufacturer's brand: STIHL

- Model: KGA 770.0
- Serial number: 4860

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 60635-2-72.

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: 80 dB(A)
- Guaranteed sound power level: 82 dB(A)

The technical documentation is stored at ANDREAS STIHL AG & Co. KG.

The year of manufacture, country of manufacture and machine number are shown on the push sweeper.

Waiblingen, 2023-05-01

ANDREAS STIHL AG & Co. KG



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

25 Addresses

www.stihl.com

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