

# Operation Manual

## Brush Cutter

61201



Illustration similar, may vary depending on model

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

Technical changes reserved!

Due to further developments, illustrations, functioning steps and technical data can differ insignificantly.

Updating the documentation

If you have suggestions for improvement or have found any irregularities, please contact us.

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## Introduction

Thank you for purchasing this quality product. **To minimize the risk of injury we urge that our clients take some basic safety precautions when using this device. Please read the operation instructions carefully and make sure you have understood its content.**

Keep these operation instructions safe.



This operation manual contains information about the **brush cutter accessory** of the 4-in-1 multi-function garden tool. Please make sure to carefully read the information and instructions contained within this document as well as the respective operation manuals of the other accessories (see below).

**Warning!** When handling the device, always abide by the information and instructions contained within the operation manual of its respective accessory. Non-compliance may cause property damage as well as severe injuries, and may even lead to death.

Please note that this operation manual cannot possibly cover all the potential scenarios that could occur while working with this device. Therefore, make sure to be careful, attentive, and to use the device with discernment.

Keep this manual safe and make sure that it is accessible at all times. This operation manual contains important information concerning safety, operation, maintenance, and storage of this product. Carefully read all the information and familiarise yourself with the device before using it, as the use of the device might otherwise cause property damage as well as severe injuries, and may even lead to death.

Upon receipt, the device should be removed from its package and checked for completeness.

## Intended use

This device was designed for the sole purpose of **cutting and trimming bushes and hedges**. Any use deviating from this may cause damage to the device as well as its surroundings and may lead to severe injuries. This device must not be used by children or individuals with reduced physical, sensory or mental capabilities, or lack of experience and/or knowledge. Adolescents over the age of 16 may use the device if they have received instructions concerning the use of the device from and are being supervised by a person familiar with the product and responsible for their safety. Children have to be supervised at all times in order to ensure that they do not play with it.

## Safety instructions

### *Workplace safety*

- Always keep your working area clean and well-lit. Cluttered or insufficiently lit working areas increase the risk of accident.
- Do not operate the device in explosive environments or in the vicinity of flammable substances, liquids, gases, or dusts. The use of this device may create sparks that could potentially ignite gases or dust.
- Keep bystanders away from the working area while operating the device, as distractions may lead to a loss of control.
- Always make sure to abide by local laws and regulations concerning the use of power tools.

### *Electric safety*

- The power plug of the device has to match the power socket and must not be altered in any way. Matching sockets and original plugs minimise the risk of electric shock.
- Do not use adapter plugs with earthed power tools.



- Avoid physical contact with earthed objects and surfaces such as pipes, stoves or refrigerators. An earthed body increases the risk of electric shock, when working with a power tool.
- Keep this tool safe from moisture, rain as well as other sources of water. Water permeating the device will damage it and greatly increase the risk of electric shock.
- Do not pull at the power cord of the device and do not abuse it to lift, carry or hold the device.
- Do not expose the power cord to heat, oil, sharp edges or moving parts and make sure that it is not bent or pinched. Damaged or entangled cables greatly increase the risk of electric shock.
- Always check the cable for signs of damage or wear before using the device. Do not use the tool if its power cord or plug are damaged and make sure to have it replaced by a qualified electrician before the device is operated again.
- Damaged or worn cables must not be repaired, but instead be replaced by a qualified electrician.
- When using the device outside, make sure to use an appropriate extension cord suitable for outdoor use in order to decrease the risk of electric shock.
- The use of the device in wet environments (e.g., rain) is strictly prohibited. If the use of the device within an environment with high moisture levels cannot be avoided, make sure to equip it with a fault-current circuit breaker in order to decrease the risk of electric shock.
- Repairs and in-depth maintenance have to be performed by qualified personnel and spare parts used have to be of equal quality and be authorised by the manufacturer in order to guarantee a flawless and safe operation.
- Always store the device in a dry and safe place inaccessible to children and unauthorised individuals.

#### *Personal safety*

- Always stay attentive and do not use this device while being tired or exhausted or under the influence of alcohol, drugs or medication.
- Take all necessary precautions in order to prevent an accidental operation of the device. Do not press the trigger when carrying the device and make sure that it has been turned off before connecting it to a power supply. A loss of control can lead to property damage and severe injuries.
- Always wear appropriate protective gear including, but not limited to safety goggles, ear protection, safety gloves and non-skid safety shoes when operating the device.
- Ensure that all adjusting tools or wrenches have been removed from the device before switching it on. Adjusting tools might get caught up in moving parts and cause damage to the device as well as severe injuries.
- Do not overreach and always ensure a safe stand.
- Always make sure to treat power tools with care, to keep them clean, sharp and in pristine condition by performing maintenance on a regular basis in order to ensure a flawless functionality. Sharp and clean tools are easier and safer to handle while poorly maintained tools increase the risk of accidents.
- Before starting the device, make sure that moving parts can move without any kind of obstruction.
- Damaged or worn power tools must not be operated, as their condition greatly affects their performance and safety. Have damaged parts repaired or replaced by a qualified electrician and do not use the device unless it is in pristine condition.
- Only use tools for their intended purpose, and always operate them at a speed appropriate for them. Forcing a tool decreases its efficiency and increases the risk of accidents.

#### *Brush cutter specific safety information*

- Keep all parts of the body away from the cutting blades. Do under no circumstances attempt to remove cuttings from the blade or hold material that is to be cut while the device is running. Cuttings should only be removed after the device has been turned off and when it is ensured that it cannot be started by accident.
- Only carry the device by its handle and only carry it while its blades are not moving. If storing or transporting the device, make sure to secure the blades with the appropriate protective cover. Treating the device with care decreases the risk of accidents.



- Only use the insulated gripping surfaces to hold and operate the device, since its blades and metallic parts might make contact with hidden current sources or its own power cord. Making contact with a live power source involves the risk of electric shock.
- Always make sure to keep cables away from the blades of the device. Keep track of the power cord of the device as well as nearby cables in order to avoid cutting them by accident.

### Residual risk

Even when handling this device according to the instructions found in this operation manual, a certain residual risk will remain. The following hazards may occur in connection to the construction or specifications of the device:

- Operating the device may cause lung damage if a dust or protective mask is not worn.
- Operating the device may cause hearing damage if ear protection is not worn.
- Operating the device may cause health damage due to vibrations if the device is operated for a long period of time or has not been maintained or operated correctly.

**Warning!** This power tool creates electromagnetic fields when operated. This field may possibly passively or actively affect medical implants. In order to avoid severe and even lethal injuries, it is advised for individuals with implants to consult their doctor before operating the device.

### Operation

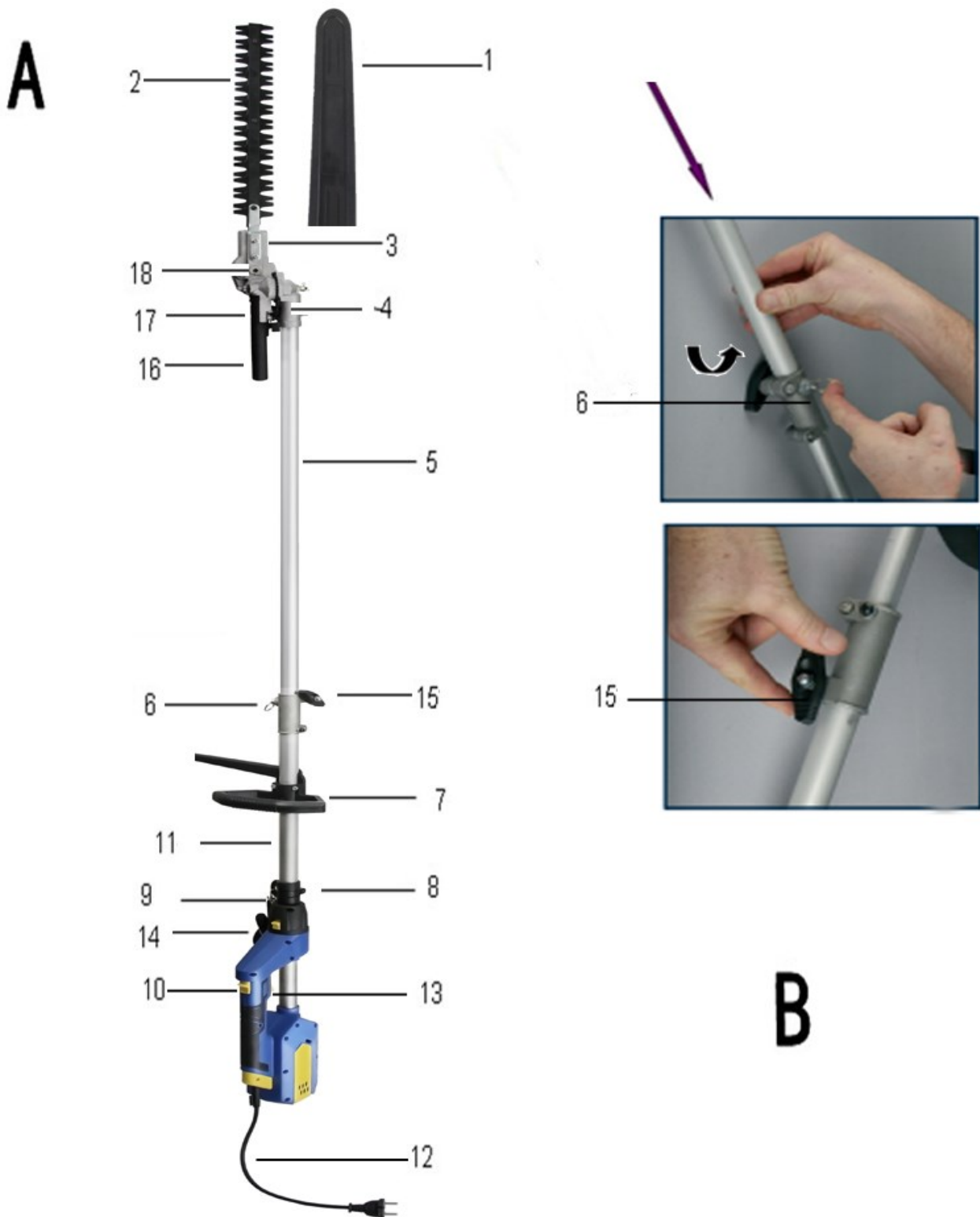
#### A Components and technical data

Nº	Name	Nº	Name
1	Protective cover	10	Trigger lock
2	Blades	11	Rod
3	Gearbox	12	Power cord
4	Safety lever	13	Trigger
5	Extension rod	14	Suspension
6	Safety pin	15	Lock screw
7	Adjustable handle	16	Blade adjusting handle
8	Lug	17	Safety latch
9	Lock	18	Grease nipple

#### B Installation of the extension rod

Only make adjustments while the device has been turned off and disconnected from its power supply.

1. Connect the extension rod (**5**) to the device by letting it slide into the rod.
2. Fix it in place by turning the lock screw (**15**).
3. Secure it by inserting the safety pin (**6**).



<b>Blade length (cm)</b>	41
<b>Max. cutting circle (mm)</b>	24



## **C** Blade preparation

1. Carefully remove the protective cover **(1)** from the blades **(2)**.
2. Press the safety lever **(4)** and the safety latch **(17)** in order to unlock the blade adjusting handle **(16)**. Move the blades **(2)** in operating position.
3. Let go of the safety lever **(4)** and the safety latch **(17)** in order to lock the blades **(2)** in place.

## **D** Activation and deactivation

1. Connect the power cord **(12)** to a suitable power socket or extension cord.
2. In order to start the device, release the switch lock **(10)** and keep pressing the trigger **(13)**. Beware that the device will immediately operate at full speed.
3. To turn the device off, simply stop pressing the trigger **(13)**.

## **E** Rod adjustment

1. Release the rod **(11)** by pushing the lock **(9)** forward.
2. The rod **(11)** can now either be turned left or right.
3. Re-lock the rod **(11)** by returning the lock **(9)** to its initial position.

## **F** Lubrication

**Warning:** The gearbox heats up during operation. Do not touch it during or immediately after the device has been operated as this might lead to burns. Allow the gearbox to cool down before lubricating it.

The gearing should be lubricated after every 25 hours of operation. Use the grease nipple **(18)** in order to properly lubricate it.

**C**



17 4



**D**



**E**



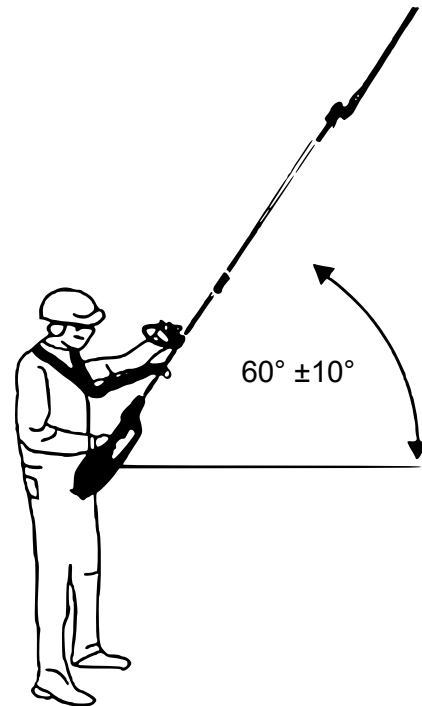
**F**





## Information on cutting

1. Before using the device, use manual hedge shears to cut thicker branches.
2. This device can be used from both sides, and its shaft can be adjusted accordingly.
3. Always use both hands to operate the device.
4. It is advised to work on hedges in a trapezoidal manner as this cutting technique complies with the natural growth of the hedge and prevents the lower branches from being thinned out too much.
5. Begin by cutting the edges of the hedge. Thereby move the device from the bottom to the top.
6. Cut the top of the hedge according to your personal preference.
7. While hedges can take any shape, it is advised to ensure that they do not get too tall.
8. When using the device, always consider the work angle for a safe operation and ideal results.
9. Do not use the device while standing on a ladder or on unstable ground.



## Maintenance

- Repair and in-depth maintenance work always have to be performed by qualified personnel in order to ensure a proper and secure operation.
- Before cleaning the device or performing repair and maintenance work, always make sure to turn the device off and to disconnect it from its power supply.
- Allow the device to cool down before beginning any kind of cleaning, repair or maintenance work in order to minimise the risk of injury.
- Always only use a wet piece of cloth or a brush to clean the device. Never use sprays or other means.
- In order to avoid damaging the device, never use solvents, detergents or other chemical substances in order to clean the device.
- Air inlets and outlets should always kept clean in order to ensure that the air flow is not obstructed.
- Make sure to clean the device and its blades after every single use.
- Use an oily rag in order to maintain metal parts after cleaning.

## Storage

- Always store the device in a dry environment inaccessible to children.
- Make sure to use the protective cover to keep the blades of the device secure.

# Operation Manual

## Pole Pruner

61201



Illustration similar, may vary depending on model

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Updating the documentation

If you have suggestions for improvement or have found any irregularities, please contact us.



 This operation manual contains information about the **pole pruner** accessory of the 4-in-1 multi-function garden tool. Please make sure to carefully read the information and instructions contained within this document as well as the respective operation manuals of the other accessories (see above and below).

**Warning!** When handling the device, always abide by the information and instructions contained within the operation manual of its respective accessory. Non-compliance may cause property damage as well as severe injuries, and may even lead to death.

Please note that this operation manual cannot possibly cover all the potential scenarios that could occur while working with this device. Therefore, make sure to be careful, attentive, and to use the device with discernment.

Keep this manual safe and make sure that it is accessible at all times. This operation manual contains important information concerning safety, operation, maintenance, and storage of this product. Carefully read all the information and familiarise yourself with the device before using it, as the use of the device might otherwise cause property damage as well as severe injuries, and may even lead to death.

Upon receipt, the device should be removed from its package and checked for completeness.

### Intended use

This device was designed for the sole purpose of **cutting tree branches with a diameter of up to 15 cm**. Any use deviating from this may cause damage to the device as well as its surroundings and may lead to severe injuries. This device must not be used by children or individuals with reduced physical, sensory or mental capabilities, or lack of experience and/or knowledge. Adolescents over the age of 16 may use the device if they have received instructions concerning the use of the device from and are being supervised by a person familiar with the product and responsible for their safety. Children have to be supervised at all times in order to ensure that they do not play with it.

### Safety instructions

#### *Workplace safety*

- Always keep your working area clean and well-lit. Cluttered or insufficiently lit working areas increase the risk of accident.
- Do not operate the device in explosive environments or in the vicinity of flammable substances, liquids, gases, or dusts. The use of this device may create sparks that could potentially ignite gases or dust.
- Keep bystanders away from the working area while operating the device, as distractions may lead to a loss of control.
- Always make sure to abide by local laws and regulations concerning the use of power tools.

#### *Electric safety*

- The power plug of the device has to match the power socket and must not be altered in any way. Matching sockets and original plugs minimise the risk of electric shock.
- Do not use adapter plugs with earthed power tools.
- Avoid physical contact with earthed objects and surfaces such as pipes, stoves or refrigerators. An earthed body increases the risk of electric shock, when working with a power tool.
- Keep this tool safe from moisture, rain as well as other sources of water. Water permeating the device will damage it and greatly increase the risk of electric shock.
- Do not pull at the power cord of the device and do not abuse it to lift, carry or hold the device.



- Do not expose the power cord to heat, oil, sharp edges or moving parts and make sure that it is neither bent nor pinched. Damaged or entangled cables greatly increase the risk of electric shock.
- Always check the cable for signs of damage or wear before using the device. Do not use the tool if its power cord or plug are damaged, and make sure to have it replaced by a qualified electrician before the device is operated again.
- Damaged or worn cables must not be repaired, but instead be replaced by a qualified electrician.
- When using the device outside, make sure to use an appropriate extension cord suitable for outdoor use in order to decrease the risk of electric shock.
- The use of the device in wet environments (e.g., rain) is strictly prohibited. If the use of the device within an environment with high moisture levels cannot be avoided, make sure to equip it with a fault-current circuit breaker in order to decrease the risk of electric shock.
- Repairs and in-depth maintenance have to be performed by qualified personnel, and spare parts used have to be of equal quality and authorised by the manufacturer in order to guarantee a flawless and safe operation.
- Always store the device in a dry and safe place inaccessible to children and unauthorised individuals.
- Do not under any circumstances attempt to modify the device, its accessories, or its power plug. Modified devices are dangerous, and their use carries a great risk of accidents and electric shock.

### *Personal safety*

- Always stay attentive and do not use this device while being tired or exhausted or under the influence of alcohol, drugs or medication.
- Take all necessary precautions in order to prevent an accidental operation of the device. Do not press the trigger when carrying the device, and make sure that it has been turned off before connecting it to a power supply. A loss of control can lead to property damage and severe injuries.
- Always wear appropriate protective gear including, but not limited to safety goggles, ear protection, safety gloves and non-skid safety shoes when operating the device.
- Ensure that all adjusting tools or wrenches have been removed from the device before switching it on. Adjusting tools might get caught up in moving parts and cause damage to the device as well as severe injuries.
- Do not overreach and always ensure a safe stand.
- Always make sure to treat power tools with care, to keep them clean, sharp and in pristine condition by performing maintenance on a regular basis in order to ensure a flawless functionality. Sharp and clean tools are easier and safer to handle while poorly maintained tools increase the risk of accidents.
- Make sure that moving parts can move without any kind of obstruction before starting the device.
- Damaged or worn power tools must not be operated, as their condition greatly affects their performance and safety. Have damaged parts repaired or replaced by a qualified electrician, and do not use the device unless it is in pristine condition.
- Only use tools for their intended purpose and always operate them at a speed appropriate for them. Forcing a tool decreases its efficiency and increases the risk of accidents.

### *Pole pruner specific safety information*

- Keep all parts of the body away from the chainsaw blade. Do not under any circumstances attempt to remove cuttings from the blade or hold material that is to be cut while the device is running. Cuttings should only be removed after the device has been turned off and when it is ensured that it cannot be started by accident.
- Only carry the device by its handle and only while its blades are not moving. If storing or transporting the device, make sure to secure the blades with the appropriate protective cover. Treating the device with care decreases the risk of accidents.
- Only use the insulated gripping surfaces to hold and operate the device, since its blades and metallic parts might make contact with hidden current sources or its own power cord. Making contact with a live power source involves the risk of electric shock.



- Always make sure to keep cables away from the blade of the device. Keep track of the power cord of the device as well as nearby cables in order to avoid cutting them by accident.
- Do not use ladders when operating the device, since a secure stand is essential in order to minimise the risk of accidents.
- Do not exceed an operation angle of 60°, as a safe operation can otherwise not be guaranteed.
- Do not use the device in order to fell trees.
- Never stand beneath the branch that you are cutting, and always keep a safe distance.
- Keep bystanders at least 10 m away from the working area.
- Always be careful when reaching the end of a cut as the weight of the pruner might shift suddenly.
- Do not stop the device before withdrawing it from the wood.

### Residual risk

Even when handling this device according to the instructions found in this operation manual, a certain residual risk will remain. The following hazards may occur in connection to the construction or specifications of the device:

- Operating the device may cause lung damage, if a dust or protective mask is not worn.
- Operating the device may cause hearing damage, if ear protection is not worn.
- Operating the device may cause health damage due to vibrations, if the device is operated for a long period of time or has not been maintained or operated correctly.

**Warning!** This power tool creates electromagnetic fields when operated. This field may possibly passively or actively affect medical implants. In order to avoid severe and even lethal injuries, it is advised for individuals with implants to consult their doctor before operating the device.

### Technical specifications

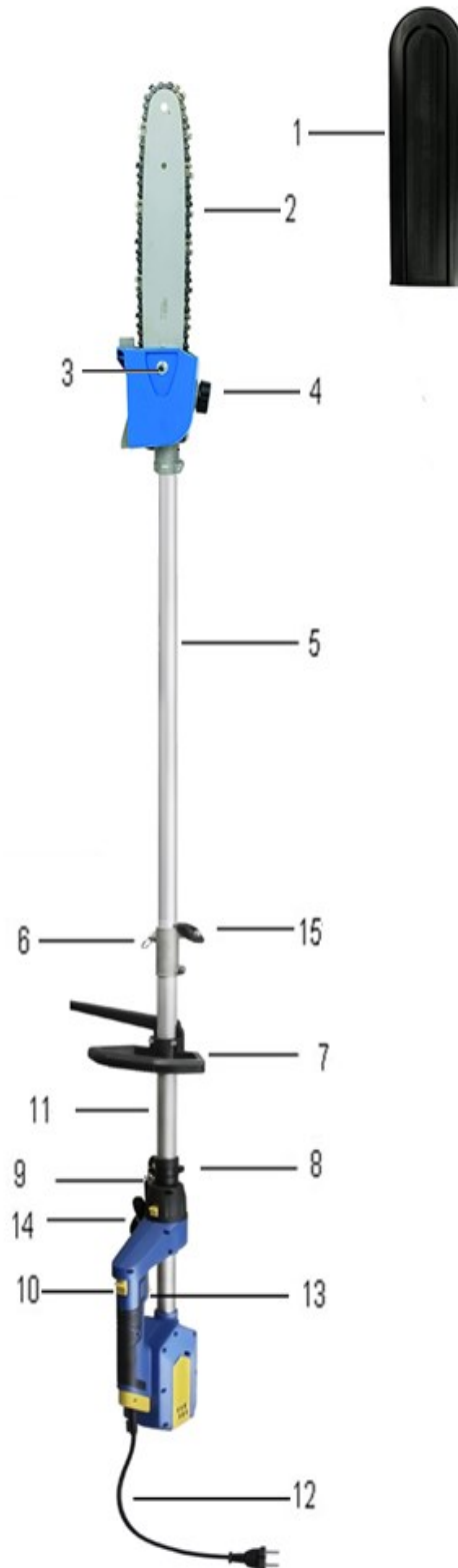
<b>Operating head</b>	M1EH-YL-900
<b>Rated voltage (V) and Frequency (Hz)</b>	230–240 and 50
<b>Rated power (W)</b>	900
<b>Model</b>	M1EH-YL-900-L M1EH-YL-900-LR
<b>Handle length (mm)</b>	203.2
<b>Chain link distance (mm)</b>	9.525
<b>Cutting length (mm)</b>	220
<b>Idle speed (rpm)</b>	9000
<b>Tank capacity (mℓ)</b>	75
<b>Weight (kg)</b>	4.3
<b>Noise emission:</b>	
<b>A-weighted sound pressure (L<sub>pA</sub>) (dB(A))</b>	95.6
<b>Inaccuracy (K<sub>pA</sub>) (dB)</b>	3
<b>A-weighted sound power (L<sub>WA</sub>) (dB(A))</b>	101.6
<b>Inaccuracy (K<sub>WA</sub>) (dB)</b>	3
<b>Acceleration:</b>	
<b>a<sub>h</sub> -front handle (m/s<sup>2</sup>)</b>	2.997



<b>a<sub>h</sub> -rear handle (m/s<sup>2</sup>)</b>	2.627
<b>Inaccuracy (m/s<sup>2</sup>)</b>	1.5

**Note:** The stated vibration value has been determined with a standardised test procedure and can be used to compare different power tools with each other. This value further makes it easier for users to assess the strain caused by the vibration of the device.

**Warning!** Depending on how this device is used, the stated values might deviate from the actual strain affecting the user. Take measures in order to protect yourself from strain caused by vibrations. Such measures for example contain the appropriate and regular maintenance of the device, the consideration of the duration of its use as well as the pauses made in between applications, the proper planning of procedures and the use of appropriate safety equipment.



## Components and their names

No	Name	No	Name
1	Blade cover	9	Lock
2	Chain saw blade	10	Trigger lock
3	Fixing	11	Rod
4	Oil tank	12	Power cord
5	Extension rod	13	Trigger
6	Safety pin	14	Suspension
7	Adjustable handle	15	Lock screw
8	Lug		

## Activation and deactivation

1. Connect the power cord (**12**) to a suitable power socket or extension cord.
2. In order to start the device, release the trigger lock (**10**) and keep pressing the trigger (**13**). **Beware!** The device will immediately operate at full speed.
3. To turn the device off, simply stop pressing the trigger (**13**). **Warning:** The chain will continue to turn, even after the device has been turned off. Wait for it to stop before cleaning or transporting the device or making adjustments to it.

## Assembly

### Installation and adjustment of the extension rod

Only make adjustments while the device has been turned off and disconnected from its power supply.

1. Connect the extension rod (**5**) to the device by letting it slide into the rod.
2. Fix it in place by turning the lock screw (**15**).
3. Secure it by inserting the safety pin (**6**).



In order to adjust its length, simply reverse the steps 1–3 and adjust it before securing it again.

### Harness

**Warning:** The harness has to be correctly attached to the device and has to be usable before the device is operated.

1. Before operating the device, ensure that the harness is set to an appropriate and comfortable length. It is important that the device is positioned parallelly to the ground when the harness is worn.
2. Position the shoulder pads accordingly in order to guarantee a maximum of comfort and safety. Make sure that the clips are pointing forward, and fix the pads in place.





### Handle

1. Place the handle in a comfortable position on the extension rod and lightly fasten it with the help of screws.
2. Pick the device up and make any necessary adjustments to the position of the handle until an ideal position is found.
3. Secure the handle by tightly fastening the screws in order to prevent it from moving unintentionally.

### Chain oil

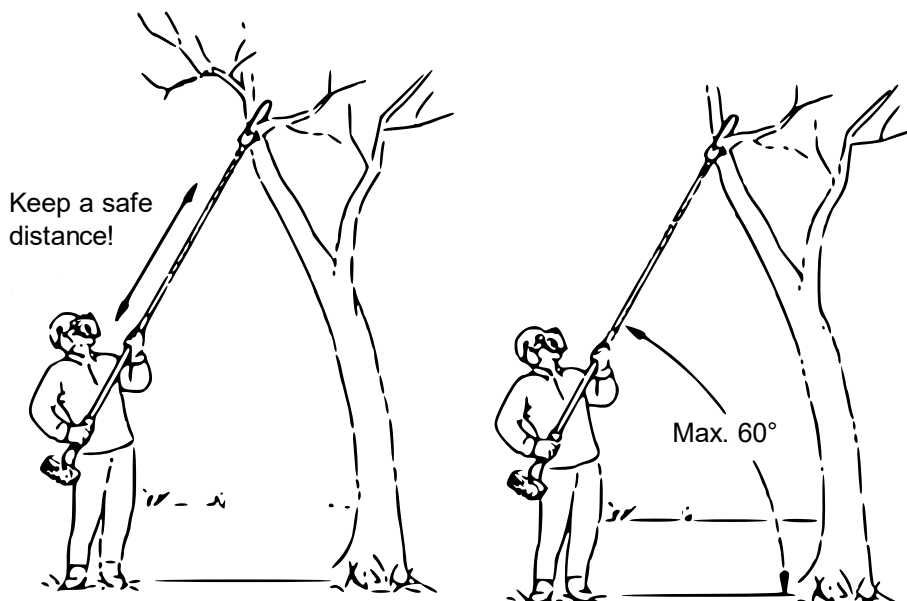
**Note:** This device is delivered without oil. Make sure to fill chain oil into the tank **(4)** of the device before using it for the first time. During its first operation, make sure to check the oil-level after 20 min, as the device might require more oil. If necessary, refill the oil in order to guarantee a proper lubrication of the chain. After the initial operation, check the oil level regularly and use the oil level indicator inside the oil tank in order to plan the refilling of the device.

Do not forget to carefully remove the blade cover before the device is operated.

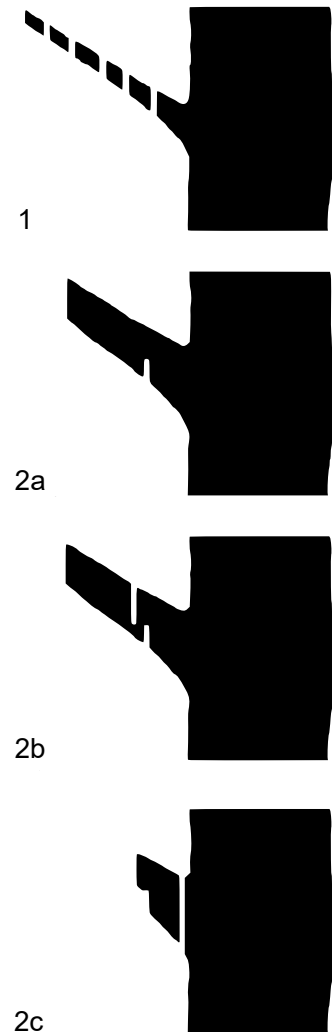
### Handling

This device was designed for the purpose of cutting small to medium size branches with a maximum diameter of 15 cm. Abide by the following information in order to achieve ideal work results.

- Always make sure to plan the cuts before beginning the actual cutting process.
- It is important to consider the direction in which the branch is going to fall. **Note:** Be aware that even if cut appropriately, branches do not always fall the way that they are expected to. Therefore, make sure to always keep a safe distance from the branch that you want to cut.
- When using the device, do not operate it in an angle exceeding 60°.
- Always operate the device with both hands, and do not rush.
- When planning on cutting multiple branches, make sure to start with the lower ones and slowly work your way up.



- While smaller branches can be cut off with a single cut, it is advised to cut them into smaller pieces in order to prevent them from slivering and to increase the control over their fall.
  - When larger branches have to be cut, make sure to abide by the following steps:
    - First, cut into the branch from below. Make thereby sure that the cut is made several centimetres away from the location where you intend to cut the branch off. If possible, this cut should go one third to halfway through the branch.
    - Then cut into the branch from the top and make sure that the cut is a bit further away from the location where you intend to cut the branch off than your initial cut.
- Warning:** Be aware that the weight of the branch should cause the same to fall off, once the cut is deep enough.
- Remove the stump with a final, clean cut from top to bottom.



## Maintenance

- Repair and in-depth maintenance work always have to be performed by qualified personnel in order to ensure a proper and secure operation.
- Before cleaning the device or performing repair and maintenance work, always make sure to turn the device off and to disconnect it from its power supply.
- Allow the device to cool down before beginning any kind of cleaning, repair or maintenance work in order to minimise the risk of injury.
- Always only use a wet piece of cloth or a brush to clean the device. Never use sprays or other means.
- In order to avoid damaging the device, do not use solvents, detergents or other chemical substances in order to clean the device.
- Air inlets and outlets should always be kept clean in order to ensure that the air flow is not obstructed.
- Make sure to clean the device after every single use.
- Use an oily rag in order to maintain metal parts after cleaning.
- Make sure to keep the chain saw lubricated, and do not run it without a sufficient amount of oil being inside its oil tank.

## Storage

- Clean the device before storing it for longer periods of time and before it is being put to use again.
- When storing the device, always cover the chain saw with its protective cover.
- Always store the device in a dry environment inaccessible to children.

# Operation Manual

## String Trimmer

61201



Illustration similar, may vary depending on model

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Technical changes reserved!

Due to further developments, illustrations, functioning steps and technical data can differ insignificantly.

Updating the documentation

If you have suggestions for improvement or have found any irregularities, please contact us.



 This operation manual contains information about the **string trimmer** accessory of the 4-in-1 multi-function garden tool. Please make sure to carefully read the information and instructions contained within this document as well as the respective operation manuals of the other accessories (see above).

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Upon receipt, the device should be removed from its package and checked for completeness.

### Intended use

This device was designed for the sole purpose of **cutting and trimming grass and light weed**. Any use deviating from this may cause damage to the device as well as its surroundings and may lead to severe injuries. This device must not be used by children or individuals with reduced physical, sensory or mental capabilities, or lack of experience and/or knowledge. Adolescents over the age of 16 may use the device if they have received instructions concerning the use of the device from and are being supervised by a person familiar with the product and responsible for their safety. Children have to be supervised at all times in order to ensure that they do not play with it.

### Safety instructions

#### *Workplace safety*

- Always keep your working area clean and well-lit. Cluttered or insufficiently lit working areas increase the risk of accident.
- Do not operate the device in explosive environments or in the vicinity of flammable substances, liquids, gases, or dusts. The use of this device may create sparks that could potentially ignite gases or dust.
- Keep bystanders away from the working area while operating the device, as distractions may lead to a loss of control.
- Always make sure to abide by local laws and regulations concerning the use of power tools.

#### *Electric safety*

- The power plug of the device has to match the power socket and must not be altered in any way. Matching sockets and original plugs minimise the risk of electric shock.
- Do not use adapter plugs with earthed power tools.
- Avoid physical contact with earthed objects and surfaces such as pipes, stoves or refrigerators. An earthed body increases the risk of electric shock when working with a power tool.
- Keep this tool safe from moisture, rain as well as other sources of water. Water permeating the device will damage it and greatly increase the risk of electric shock.
- Do not pull at the power cord of the device and do not abuse it to lift, carry or hold the device.
- Do not expose the power cord to heat, oil, sharp edges or moving parts and make sure that it is not bent or pinched. Damaged or entangled cables greatly increase the risk of electric shock.



- Always check the cable for signs of damage or wear before using the device. Do not use the tool if its power cord or plug are damaged, and make sure to have it replaced by a qualified electrician before the device is operated again.
- Damaged or worn cables must not be repaired, but must instead be replaced by a qualified electrician.
- When using the device outside, make sure to use an appropriate extension cord suitable for outdoor use in order to decrease the risk of electric shock.
- The use of the device in wet environments (e.g., rain) is strictly prohibited. If the use of the device within an environment with high moisture levels cannot be avoided, make sure to equip it with a fault-current circuit breaker in order to decrease the risk of electric shock.
- Repairs and in-depth maintenance have to be performed by qualified personnel, and spare parts used have to be of equal quality and authorised by the manufacturer in order to guarantee a flawless and safe operation.
- Always store the device in a dry and safe place inaccessible to children and unauthorised individuals.

### *Personal safety*

- Always stay attentive and do not use this device while being tired or exhausted or under the influence of alcohol, drugs or medication.
- Take all necessary precautions in order to prevent an accidental operation of the device. Do not press the trigger when carrying the device, and make sure that it has been turned off before connecting it to a power supply. A loss of control can lead to property damage and severe injuries.
- Always wear appropriate protective gear including, but not limited to safety goggles, ear protection, safety gloves and non-skid safety shoes when operating the device.
- Ensure that all adjusting tools or wrenches have been removed from the device before switching it on. Adjusting tools might get caught up in moving parts and cause damage to the device as well as severe injuries.
- Do not overreach and always ensure a safe stand.
- Always make sure to treat power tools with care, to keep them clean, sharp and in pristine condition by performing maintenance on a regular basis in order to ensure a flawless functionality. Sharp and clean tools are easier and safer to handle while poorly maintained tools increase the risk of accidents.
- Make sure that moving parts can move without any kind of obstruction before starting the device.
- Damaged or worn power tools must not be operated as their condition greatly affects their performance and safety. Have damaged parts be repaired or replaced by a qualified electrician and do not use the device unless it is in pristine condition.
- Only use tools for their intended purpose and always operate them at a speed appropriate for them. Forcing a tool decreases its efficiency and increases the risk of accidents.

### *String trimmer specific safety information*

- The device must not be operated without the protective cover being installed in a proper manner. Due to the rotary speed of the nylon thread, small stones or pieces of wood can be flung around and cause property damage or severe injuries.
- To ensure a safe and controlled operation, the guide handle has to be installed.
- Always turn the device off, disconnect it from the power supply and wait for the spool to have completely stopped its motions before touching it or performing any kind of maintenance or adjustments.
- Keep all parts of the body away from the cutting thread. Do under no circumstances attempt to remove cuttings from the thread or hold material that is to be cut while the device is running. Cuttings should only be removed after the device has been turned off and when it is ensured that it cannot be started by accident.
- Only carry the device by its handle and only while its spool is not moving. If storing or transporting the device, make sure to secure the blades with the appropriate protective cover. Treating the device with care decreases the risk of accidents.



- Only use the insulated gripping surfaces to hold and operate the device, since its blades and metallic parts might make contact with hidden current sources or its own power cord. Making contact with a live power source involves the risk of electric shock.
- Always make sure to keep cables away from the thread of the device. Keep track of the power cord of the device as well as nearby cables in order to avoid cutting them by accident.

### Residual risk

Even when handling this device according to the instructions found in this operation manual, a certain residual risk will remain. The following hazards may occur in connection to the construction or specifications of the device:

- Operating the device may cause lung damage, if a dust or protective mask is not worn.
- Operating the device may cause hearing damage, if ear protection is not worn.
- Operating the device may cause health damage due to vibrations, if the device is operated for a long period of time or has not been maintained or operated correctly.

**Warning!** This power tool creates electromagnetic fields when operated. This field may possibly passively or actively affect medical implants. In order to avoid severe and even lethal injuries, it is advised for individuals with implants to consult their doctor before operating the device.

### Technical Specifications

<b>Operating head</b>	M1EH-YL-900
<b>Rated voltage (V) and frequency (Hz)</b>	230–240 and 50
<b>Rated power (W)</b>	900
<b>String trimmer</b>	M1EH-YL-900-D
<b>Idle speed (rpm)</b>	7200
<b>Cutting element</b>	Nylon thread
<b>Cutting element size (mm)</b>	∅ 2.0 / 2.2 / 2.4 × 380
<b>Weight (kg)</b>	4.5
<b>Noise emission:</b>	
<b>A-weighted sound pressure (L<sub>pA</sub>) (dB(A))</b>	89.7
<b>Inaccuracy (K<sub>pA</sub>) (dB)</b>	3
<b>A-weighted sound power (L<sub>WA</sub>) (dB(A))</b>	100
<b>Inaccuracy (K<sub>WA</sub>) (dB)</b>	3
<b>Acceleration:</b>	
<b>a<sub>h</sub> -front handle (m/s<sup>2</sup>)</b>	3.012
<b>a<sub>h</sub> -rear handle (m/s<sup>2</sup>)</b>	3.337
<b>Inaccuracy (m/s<sup>2</sup>)</b>	1.5



### Components and their names

<b>Nº</b>	<b>Name</b>	<b>Nº</b>	<b>Name</b>
1	Nylon thread	9	Lock
2	Spool	10	Trigger lock
3	Gearbox	11	Rod
4	Protective cover	12	Power cord
5	Extension rod	13	Trigger
6	Safety pin	14	Suspension
7	Adjustable handle	15	Lock screw
8	Lug		





### Activation and deactivation

1. Connect the power cord **(12)** to a suitable power socket or extension cord.
2. In order to start the device, release the trigger lock **(10)** and keep pressing the trigger **(13)**. **Beware!** The device will immediately operate at full speed.
3. To turn the device off, simply stop pressing the trigger **(13)**. **Warning:** The spool containing the nylon thread will continue to turn, even after the device has been turned off. Wait for it to stop before cleaning or transporting the device or making adjustments to it.

### Installation and adjustment of the extension rod

Only make adjustments while the device has been turned off and disconnected from its power supply.

1. Connect the extension rod **(5)** to the device by letting it slide into the rod.
2. Fix it in place by turning the lock screw **(15)**.
3. Secure it by inserting the safety pin **(6)**.



In order to adjust its length, simply reverse the steps 1–3 and adjust it before securing it again.

### Assembly



No	Name	No	Name
1	Extension rod	5	Gearbox
2	Retainer	6	Thread cutter
3	Protective cover	7	Spool
4	Cutting element		

## Protective cover

Before using the device, make sure to attach the protective cover with help of the screws included in the scope of delivery.

1. Align the 3 holes of the protective cover with the corresponding holes located at the end of the device head. Make thereby sure that the protective cover is placed in the direction of the user of the device.
2. Place the steel distance ring on top of the protective cover with the holes of both parts aligning.
3. Equip 3 screws with washers and securely attach the distance ring and protective cover by fastening the screws with a hex key.



## Cutting element

Only use nylon threads with a diameter of 2.0 mm to operate the device in order to prevent the same from overheating.

1. Remove the spool from the device.
2. Carefully remove the spool cover in order to access the inner coil.
3. Withdraw the inner coil, the spring and washer from the spool casing, remove possible thread remnant, and clean the aforementioned parts as well as the inside of the casing with a clean and dry piece of cloth.
4. It is advised to insert two equal pieces of thread with a total length of 4 m.
5. Insert the thread ends into the holes of the inner coil and lock them into place.
6. Wind the nylon threads up according to the winding direction indicated on the coil and place a thumb in between the threads in order to ensure that they do not overlap. Further make sure that both threads are coiled up tightly. **Note:** It is important for the cutting element to be wound up correctly in order to avoid problems while you use the device.
7. Thread the loose thread ends into the holes of the spool and correctly reinsert the coil along with the washer and the spring.
8. Close the cover of the spool and reattach it to the device.



## Harness

**Warning:** The harness has to be correctly attached to the device and has to be usable before the device is operated.

- Before operating the device, ensure that the harness is set to an appropriate and comfortable length. It is important that the device is positioned parallelly to the ground when the harness is worn.
- Position the shoulder pads accordingly in order to guarantee a maximum of comfort and safety. Make sure that the clips are pointing forward and fix the pads in place.



## Handle

1. Place the handle in a comfortable position on the extension rod and lightly fasten it with the help of screws.
2. Pick the device up and make any necessary adjustments to the position of the handle until an ideal position is found.
3. Secure the handle by tightly fastening the screws in order to prevent it from moving unintentionally.

## Information on cutting

- **Important:** Attach the protective cover before beginning the operation, and do not use the device without it.
- Wield the device similar to a scythe, carefully moving it from one side to the other and back.
- The thread cutter automatically cuts the thread off if it should get too long.
- In order to extend the length of the nylon thread released from the spool, lightly press the device against the ground while the spool is turning.
- Immediately stop the device in case of irregularities concerning the spool rotation and thread. Cut off grass might have entangled the spool and obstruct its rotation. Disconnect the device from its power supply, wait for the spool to stop completely, and remove the grass.

## Maintenance

- Repair and in-depth maintenance work always has to be performed by qualified personnel in order to ensure a proper and secure operation.
- Before cleaning the device or performing repair and maintenance work, always make sure to turn the device off and to disconnect it from its power supply.
- Allow the device to cool down before beginning any kind of cleaning, repair, or maintenance work in order to minimise the risk of injury.
- Always only use a wet piece of cloth or a brush to clean the device. Never use sprays or other means.
- In order to avoid damaging the device, never use solvents, detergents, or other chemical substances to clean the device.
- Air inlets and outlets should always be kept clean in order to ensure that the air flow is not obstructed.
- Make sure to clean the device after every single use.
- Use an oily rag in order to maintain metal parts after cleaning.

## Storage

- Clean the device before storing it for longer periods of time and before it is re-used.
- Always store the device in a dry environment inaccessible to children.

## Disposal regulations

EU guidelines regarding the disposal of scrap electric appliances (WEEE, 2012/19/EU) were implemented in the law related to electrical and electronic equipment and appliances.

All WiITec electric devices that fall under the WEEE regulations are labelled with the crossed-out wheeled waste bin logo. This logo indicates that this electric equipment must not be disposed with the domestic waste.

The company WiITec Technik GmbH has been registered in the German registry EAR under the WEEE-registration number DE45283704.

Disposal of used electrical and electronic appliances (intended for use in the countries of the European Union and other European countries with a separate collection system for these appliances).

The logo on the article or on its packaging points out that this article must not be treated as normal household waste but must be disposed to a recycling collection point for electronic and electrical waste equipment. By contributing to the correct disposal of this article you protect the environment and the health of your fellow men. Environment and health are threatened by inappropriate disposal.



Material recycling helps reduce the consumption of raw materials.

Additional information on recycling this article can be provided by your local community, municipal waste disposal facilities or the store where you purchased the article.

Address:  
WiITec Wildanger Technik GmbH  
Königsbenden 12 / 28  
D-52249 Eschweiler

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