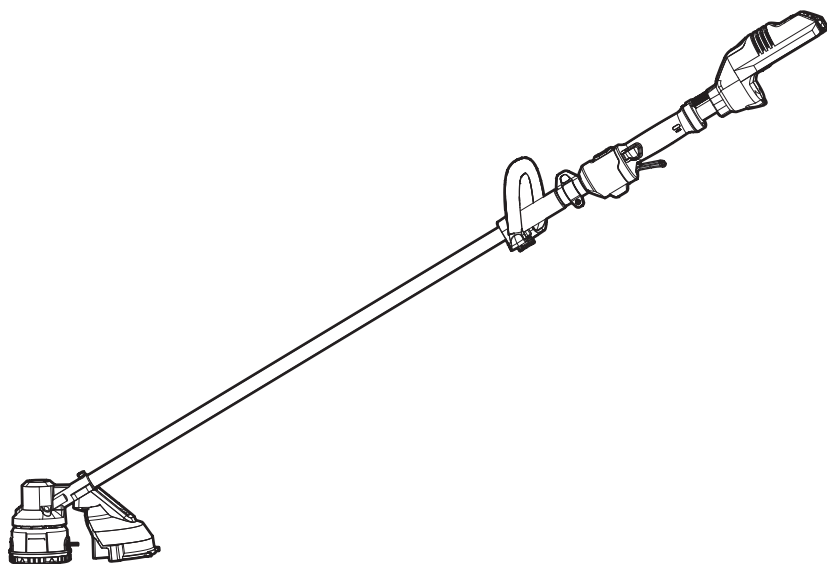


Kress



SAFETY AND OPERATING MANUAL

ORIGINAL INSTRUCTIONS

Cordless Grass Trimmer

KG160E
KG160E.X

Users can view the electronic instructions at <https://www.kress.com/>

ORIGINAL INSTRUCTIONS PRODUCT SAFETY GENERAL SAFETY WARNINGS

 **WARNING! Read all safety warnings and all instructions.** Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Carefully read the instructions for the safe operation of the machine. Save all warnings and instructions for future reference.

The appliance is only to be used with the power supply unit provided with the appliance.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person

responsible for their safety. Children should be supervised to ensure that they do not play with the appliance. **WARNING:** For the purposes of recharging the battery, only use the detachable supply unit provided with this appliance.

Do not expose the appliance or battery to excessive temperatures.

- 1.rechargeable batteries are to be removed from the appliance before being charge;
- 2.different types of batteries or new and used batteries are not to be mixed;
- 3.exhausted batteries are to be removed from the appliance and safely disposed of;
- 4.if the appliance is to be stored unused for a long period, the batteries should be removed;
- 5.do not use non-rechargeable batteries in place of rechargeable batteries;
- 6.do not use modified or damaged batteries.
- 7.**WARNING:** Use only with KA3714 battery charger or additional battery chargers listed in Operator's Manual.

Additional safety requirements

for your lawn edge trimmer
This grass trimmer is designed for cutting grass and similar soft vegetation and for trimming grass edges in private and hobby garden areas which are not accessible with a lawnmower.

The device is not allowed to be used in public gardens, parks, sports centres or at roadsides as well as in agriculture and forestry.

This lawn trimmer is not allowed to be used for cutting or chopping:

- hedges, shrubs and bushes,
- flowers,
- in terms of composting.

Otherwise, there is a risk of injury.

IMPORTANT READ CAREFULLY BEFORE USE

KEEP FOR FUTURE REFERENCE

Safe operating practices

1. Training

- a) Read the instructions carefully. Be familiar with the controls and the correct use of the machine.
- b) Never allow children, persons with reduced physical, sensory or mental

capabilities or lack of experience and knowledge or people unfamiliar with these instructions to use the machine, local regulations may restrict the age of the operator.

- c) Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people or their property.

2. Preparation

- a) Before use, always visually inspect the machine for damaged, missing or misplaced guards or shields.
- b) Never operate the machine while people, especially children, or pets are nearby.
- c) Wear eye protection and stout shoes at all times while operating the machine.

3. Operation

- a) Wear eye protection, long trousers and stout shoes at all times while operating the machine.
- b) Avoid using the machine in bad weather conditions especially when there is a risk of lightning.
- c) Use the machine only in daylight or good artificial

light.

- d) Never operate the machine with damaged guards or shields or without guards or shields in place.
- e) Switch on the motor only when the hands and feet are away from the cutting means.
- f) Always disconnect the machine from the power supply (e.g. remove the battery pack from the machine)
 - 1) whenever the machine is left unattended;
 - 2) before clearing a blockage;
 - 3) before checking, cleaning or working on the machine;
 - 4) after striking a foreign object;
 - 5) whenever the machine starts vibrating abnormally.
- g) Take care against injury to feet and hands from the cutting means.
- h) Always ensure that the ventilation openings are kept clear of debris.
- i) Never fit metal cutting elements.
- j) Always be sure of your footing on slopes.
- k) Walk, never run.
- l) Not overreach and keep the

balance at all times.

- m) Not to touch moving hazardous parts before removing the battery pack from the machine and the moving hazardous parts have come to a complete stop.

4. Maintenance and storage

- a) Disconnect the machine from the power supply (e.g. remove the battery pack from the machine) before carrying out maintenance or cleaning work.
- b) Use only the manufacturer's recommended replacement parts and accessories.
- c) Inspect and maintain the machine regularly. Have the machine repaired only by an authorized repairer.
- d) When not in use, store the machine out of the reach of children.
- e) Remove the battery pack from the appliance before carrying out maintenance or cleaning work.

SAFETY WARNINGS FOR BATTERY PACK

- a) **Do not dismantle, open or shred cells or battery pack.**

- b) Do not short-circuit a battery pack. Do not store battery packs haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by conductive materials.**
When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
- c) Do not expose battery pack to heat or fire. Avoid storage in direct sunlight.**
- d) Do not subject battery pack to mechanical shock.**
- e) In the event of battery leaking, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.**
- f) Keep battery pack clean and dry.**
- g) Wipe the battery pack terminals with a clean dry cloth if they become dirty.**
- h) Battery pack needs to be charged before use. Always refer to this instruction and use the correct charging procedure.**
- i) Do not maintain battery pack on charge when not in use.**
- j) After extended periods of storage, it may be necessary to charge and discharge the battery pack several times to obtain maximum performance.**
- k) Recharge only with the charger specified by Kress. Do not use any charger other than that specifically provided for use with the equipment.**
- l) Do not use any battery pack which is not designed for use with the equipment.**
- m) Keep battery pack out of the reach of children.**
- n) Retain the original product literature for future reference.**
- o) Remove the battery from**

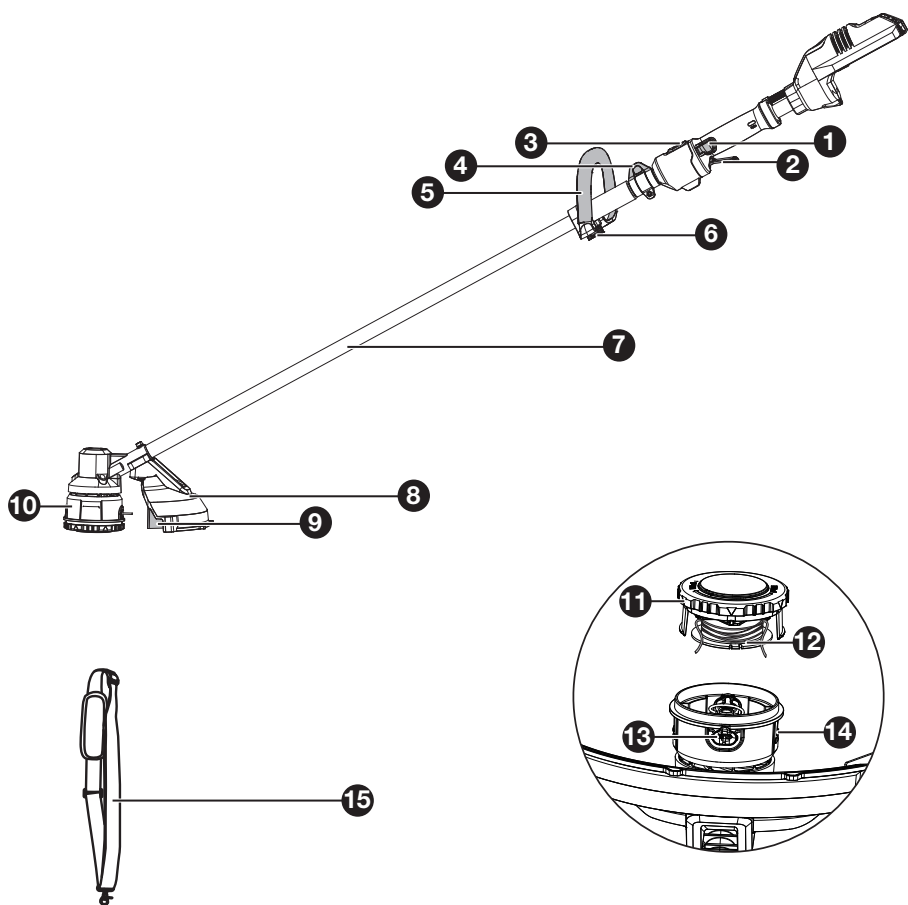
the equipment when not in use.

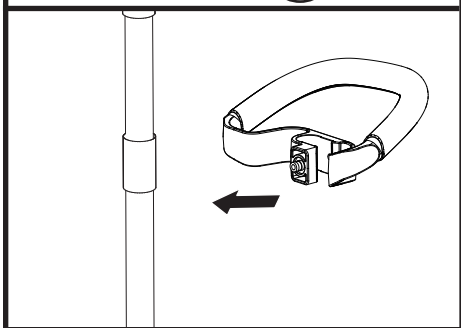
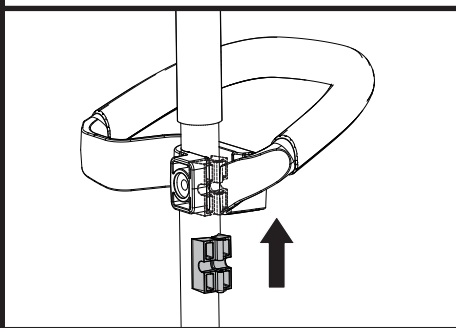
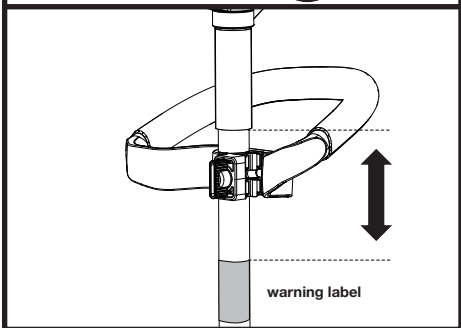
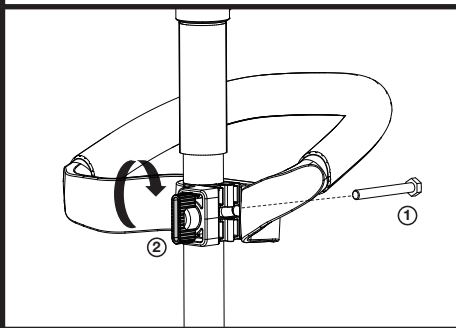
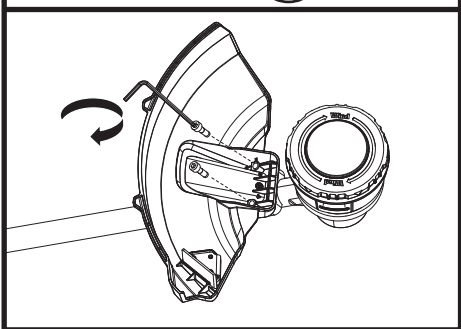
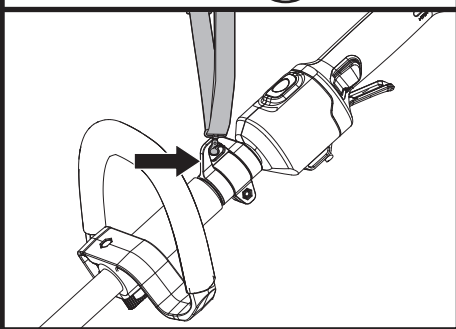
- p) Dispose of properly.
- q) Do not mix cells of different manufacture, capacity, size or type within a device.
- r) Keep the battery away from microwaves and high pressure.
- S) **Warning! Do not use non-rechargeable batteries**

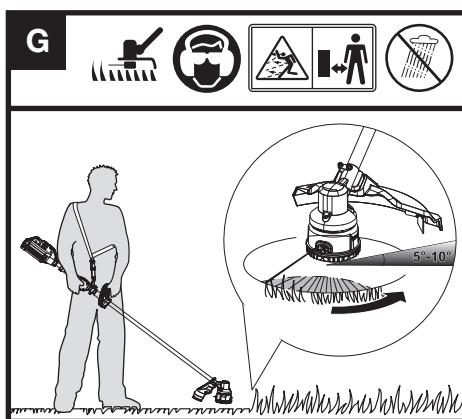
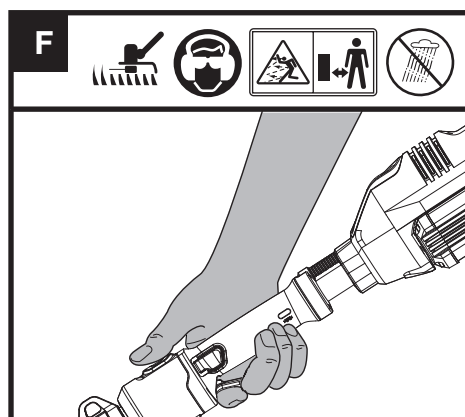
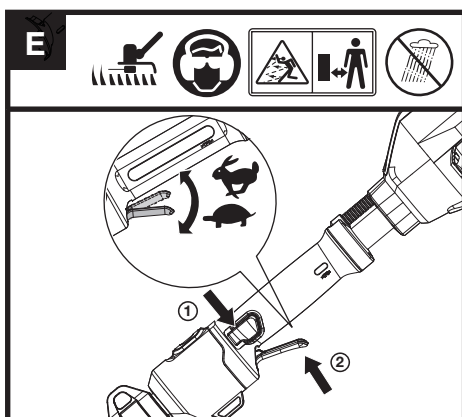
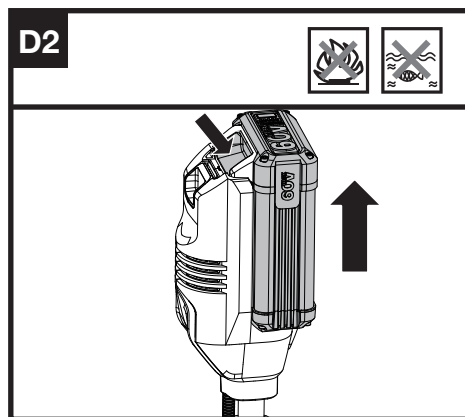
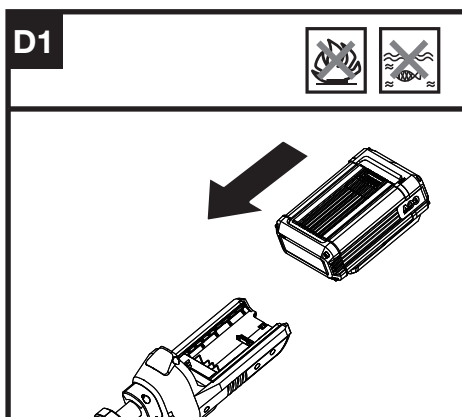
SYMBOLS

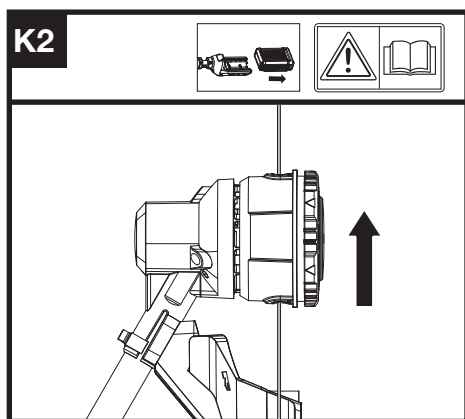
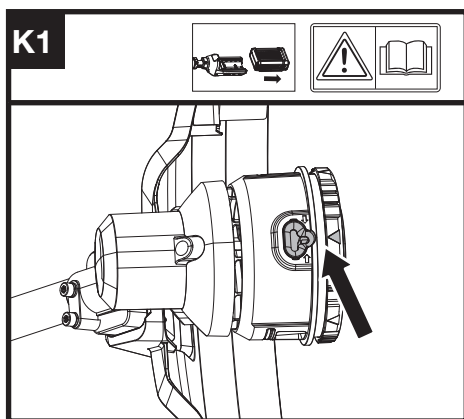
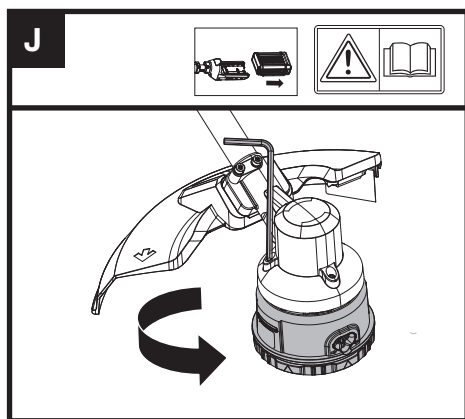
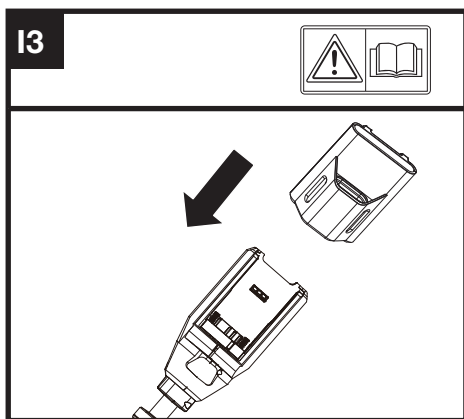
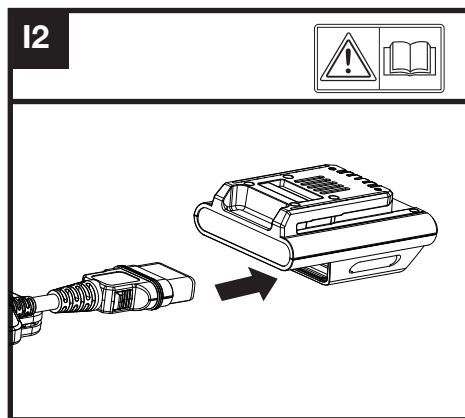
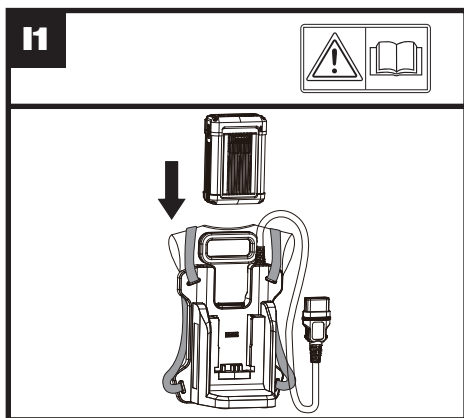
	To reduce the risk of injury, user must read instruction manual
	Read instruction sheet
	Keep bystanders away
	Wear eye and ear protection
	Wear eye protection
	Do not expose to moisture
	Do not expose to rain
	Waste electrical products must not be disposed of with household waste. Please recycle where facilities exist. Check with your local authorities or retailer for recycling advice.

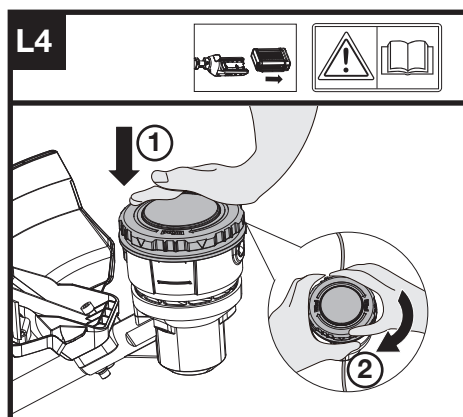
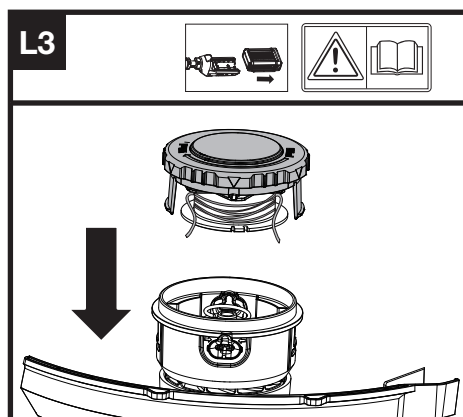
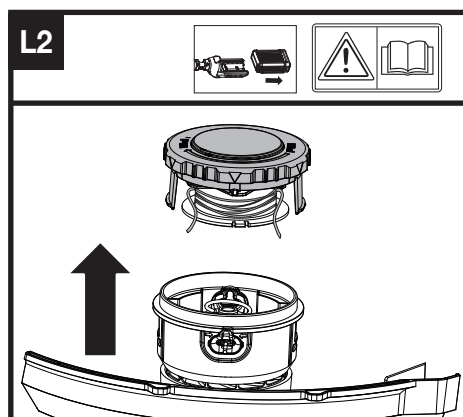
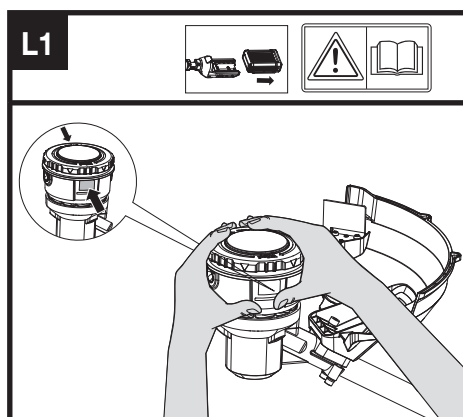
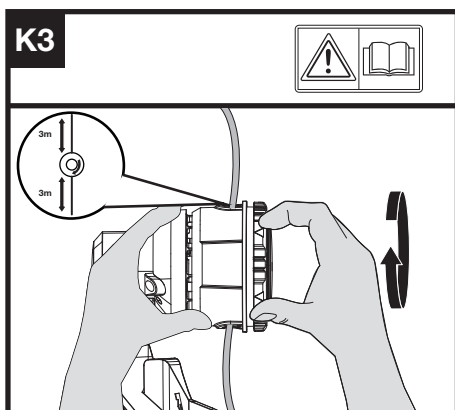
	Plus; positive polarity
	Minus; negative polarity
	Li-Ion battery This product has been marked with a symbol relating to 'separate collection' for all battery packs and battery pack. It will then be recycled or dismantled in order to reduce the impact on the environment. Battery packs can be hazardous for the environment and for human health since they contain hazardous substances.
	Li-Ion
	Do not burn
	Batteries may enter water cycle if disposed improperly, which can be hazardous for ecosystem. Do not dispose of waste batteries as unsorted municipal waste.
	Make sure the battery is removed prior to changing accessories.
	Trimming
	RCM marking
ABN: Australian Business Number. By this number, business information such as entity type, status, business location etc. can be found at website http://abr.business.gov.au . ABN of Positec Australia Pty Limited is 14 101 682 357	



A1**A2****A3****A4****B****C**







COMPONENT LIST

1.	LOCK-OFF BUTTON
2.	SWITCH TRIGGER
3.	ECO BUTTON
4.	HOOK
5.	AUXILIARY HANDLE
6.	LOCKING KNOB
7.	SHAFT
8.	SAFETY GUARD
9.	LINE CUTTER
10.	TRIMMER HEAD (BUMP HEAD)
11.	SPOOL CAP
12.	SPOOL
13.	EYELET
14.	CAP RELEASE LATCH
15.	SHOULDER STRAP

Not all the accessories illustrated or described are included in standard delivery.

TECHNICAL DATA

Type Designation: **KG160E KG160E.X**
(1-designation of machinery, representative of Cordless Grass Trimmer)

	KG160E KG160E.X *
Voltage	60 V $\overline{\text{---}}$ MAX **
No load speed	6000 /min
Cutting Diameter	38 cm
Line Diameter	Recommended 2.4 mm twist line
Line length	Recommended 6 m (Dual-Exit)
Machine Weight (bare tool)	3.0 kg

* X=1-999, A-Z, M1-M9 there are only used for different customers, there are no safe relevant changes between these models.

** Voltage measured without workload. Initial battery voltage reaches maximum of 60 volts. Nominal voltage is 54 volts.

SUGGESTED BATTERIES AND CHARGERS

Category	Type	Capacity
60V Battery	KA3000	2.0 Ah
	KA3002	4.0 Ah
	KA3008	5.0 Ah
60V Charger	KA3714	5.0 A

We recommend that you purchase your accessories from the same store that sold you the tool. Refer to the accessory packaging for further details. Store personnel can assist you and offer advice.

NOISE INFORMATION

A weighted sound pressure	$L_{pA} = 74 \text{ dB(A)}$
K_{pA}	0.8 dB(A)
A weighted sound power	$L_{wA} = 94.8 \text{ dB(A)}$
K_{wA}	0.8 dB(A)
Wear ear protection 	

VIBRATION INFORMATION

Typical weighted vibration	$a_h = 5.326 \text{ m/s}^2$
Uncertainty	$K = 1.5 \text{ m/s}^2$

The declared vibration total value may be used for comparing one tool with another, and may also be used in a preliminary assessment of exposure.

WARNING! The vibration emission value during actual use of the power tool can differ from the declared value depending on the ways in which the tool is used dependant on the following examples and other variations on how the tool is used:
How the tool is used and the materials being cut or drilled.
The tool being in good condition and well maintained
The use the correct accessory for the tool and ensuring it is sharp and in good condition.
The tightness of the grip on the handles and if any anti vibration accessories are used.
And the tool is being used as intended by its design and these instructions.

This tool may cause hand-arm vibration syndrome if its use is not adequately managed.

WARNING! To be accurate, an estimation of exposure level in the actual conditions of use should also take account of all parts of the operating

cycle such as the times when the tool is switched off and when it is running idle but not actually doing the job. This may significantly reduce the exposure level over the total working period.
Helping to minimise your vibration exposure risk.
ALWAYS use sharp chisels, drills and blades.
Maintain this tool in accordance with these instructions and keep well lubricated (where appropriate).
If the tool is to be used regularly then invest in anti vibration accessories.
Plan your work schedule to spread any high vibration tool use across a number of days.

ASSEMBLY & OPERATION



NOTE: Before using the tool, read the instruction book carefully.

BEFORE OPERATION:

Assembling the auxiliary handle (See Fig. A1, A2, A3, A4)

1. Attach the auxiliary handle and lower clamp on the shaft.
2. Put the bolt through the holes.
3. Tighten the auxiliary handle with the knob.



WARNING! Adjust the auxiliary handle between the soft sleeve and the label so as to make sure your front arm is straight when using the trimmer.

Assembling the safety guard (See Fig. B)

Secure the safety guard onto the trimmer head with the screw and hex key.

Assembling the shoulder strap (See Fig. C)

1. Adjust the length of shoulder strap to make sure that the carabiner is about a hand's width below the top of your hip.
2. Connect the carabiner of strap to the hook on the shaft of the trimmer.

Installing & removing the battery pack (See Fig. D1, D2)

1. Slide the battery pack into the battery compartment until you hear a click.
2. Press the battery release button to release battery pack from your tool.

Note: After recharging, insert the battery pack into tool's battery port. A simple push and slight pressure will be sufficient.

OPERATION:

Starting/Stopping the trimmer (See Fig. E)

Press the lock-off button first, then press the switch trigger to start the machine.



Warning! The cutting head continues to rotate after the trimmer has been switched off; wait until it has completely stopped then lay

down the tool.

ECO Speed (See Fig. F, G)

For longer run time, press the ECO button and switch trigger, then your machine will operate at a low speed.

Bump-line feed system (See Fig. H)

The trimmer is equipped with a bump-line system. Just bump the trimmer head while the machine is running, new line will feed out.

Using a backpack harness (See Fig. I1, I2, I3)

1. Insert the battery pack into the backpack harness.
2. Insert the battery adaptor into the trimmer.
3. Connect the backpack harness to your trimmer with the connecting cord.

More details can be found in backpack harness's manual.

Cutting Tips

1. Move the trimmer from left to right across the area to be cut; it is less effective when moving from right to left.
2. Use the tip of the cutting line to do trimming; do not force the trimmer head into uncut grass.
3. Wire and picket fences may cause extra cutting line wear and breakage. Stone and brick walls, curbs, and wood may wear cutting line rapidly.
4. Avoid trees and shrubs. Tree bark, wood moldings, siding, and fence posts can easily be damaged by the cutting line.

AFTER OPERATION:

Assembling/Removing the trimmer head (See Fig. J)

1. Insert the hex key into the hole and rotate the trimmer head until it stops in a locked position.
2. Then, rotate clockwise to remove it, and counterclockwise to assemble it.

Winding the line (See Fig. K1, K2, K3)

1. Remove the battery pack from the trimmer
2. Rotate the trimmer head in the direction of the arrow so it aligns with the eyelid.
3. Insert the line into the eyelet (K2) and push the line until the end of the line comes out of the opposite eyelet.
4. Pull the line from the other side until equal lengths of the line appear on both sides of the trimmer head (no more than 3m on either side)
5. Rotate the head to load the line.

NOTE: The spool must be wound while installed in the trimmer head. Externally refilled spools inevitably leads to problems.

Replace the spool (See Fig. L1, L2, L3, L4)

1. Take off the cap and remove the old spool.
2. Put the empty spool in and take on the cap to wind new line in.

Transporting

1. When transporting your trimmer by hand, hold the middle of shaft to make sure that your machine is parallel to the ground.
2. When transporting your trimmer in a vehicle, secure and position it to prevent turnover or damage.

Storing

1. Remove the battery pack from the trimmer before storage.
2. Store the trimmer in a dry and secure place that is inaccessible to children and other unauthorized people.

Cleaning

1. Do not use aggressive detergents or solvents. Clean the machine after use with a moist cloth dipped in neutral detergent.
2. Keep the socket free of foreign matters, and clean with a soft and dry brush or cloth.
3. Do not spray water onto the motor and electrical components.
4. Do not use pressure washer to clean your machine.

MAINTENANCE



Always remove the battery pack from your trimmer after use.

Always check the product prior to being used for any damage.

After use, disconnect the battery from the tool and check for damage.

Your power tool requires no additional lubrication or maintenance. There are no user serviceable parts in your power tool. Never use water or chemical cleaners to clean your power tool. Wipe clean with a dry cloth. Always store your power tool in a dry room temperature location. Keep the motor ventilation slots clean. Keep all working controls free of dust.

ENVIRONMENTAL PROTECTION



Waste electrical products must not be disposed of with household waste. Please recycle where facilities exist. Check with your local authorities or retailer for recycling advice.

TROUBLESHOOTING

The following table gives problems and actions that you can perform if your machine does not operate correctly.



WARNING: Switch the machine off and remove the battery prior to any troubleshooting.

Problems	Possible Causes	Corrective Action
Trimmer fails to operate.	Battery discharged. Battery too hot/cold. Motor is broken. Internal wiring of machine damaged.	Recharge battery; also see the content in charger manual. Allow to cool/warm. Contact Service Agent. Contact Service Agent.
Trimmer runs intermittently	Motor is broken. Battery not fully charged. On/Off switch defective.	Contact Service Agent. Recharge battery. Contact Service Agent.
Excessive vibrations/noise.	Machine defective. Line spool is not wound well.	Contact Service Agent. Rewind the line. See "To fit spool and line assembly."
Cutting time per battery charge too short.	Battery has not been used for long period or only charged for short term. Grass too high. Battery defective.	Fully charge battery; also see the content in charger manual. Cut in stages. Replace the battery.
Machine does not cut.	Line broken. Battery not fully charged. Motor is broken (speed is too low). Grass entangled around cutting head.	Replace the line. Recharge battery; also see the content in charger manual. Contact Service Agent. Remove grass.

Continuous lighting of the battery charge indicator. No charging procedure possible.	Battery not (properly) inserted. Battery contacts contaminated. Battery defective.	Properly insert battery into battery charger. Clean the battery contacts or replace the battery. Replace the battery.
Battery charge indicator does not light up.	Plug of battery charger not plugged in (properly). Socket outlet, mains cable or battery charger defective.	Insert mains plug (fully) into the socket outlet. Check the mains voltage; have the battery charger checked by an authorized after-sales service agent.
Machine does not cut.	The line is tangled on the spool.	Wind all the line in manually, open the spool cap, remove the line from the spool and rewind.

FOR BATTERY TOOLS

The ambient temperature range for the use and storage of tool and battery is 0°C-45°C.
The recommended ambient temperature range for the charging system during charging is 5°C-40°C.

Positec Australia Pty Limited
10 Corporate Blvd Bayswater, VIC 3153,
Australia

DECLARATION OF CONFORMITY

We,
Positec Germany GmbH
Postfach 680194, 50704 Cologne, Germany

On behalf of Positec declare that the product
Description **Cordless Grass Trimmer**
Type **KG160E KG160E.X (1-designation of machinery, representative of Cordless Grass Trimmer)**
Function **cutting grass and similar soft vegetation and for trimming grass edges**

Complies with the following Directives:
2006/42/EC
2014/30/EU
2011/65/EU&(EU)2015/863
2000/14/EC amended by 2005/88/EC

2000/14/EC amended by 2005/88/EC:
- Conformity Assessment Procedure as per **Annex VI**
- Measured Sound Power Level **94.8 dB (A)**
- Declared Guaranteed Sound Power Level **96 dB (A)**

The notified body involved
Name: **ISET S.r.l. Unipersonale (Notified body 0865)**
Address: **Via Donatori del Sangue, 9 46024 - Moglia (MN), Italy**

Standards conform to
EN 60335-1
EN 50636-2-91
EN 62233
EN ISO 3744
EN IEC 55014-1
EN IEC 55014-2
EN IEC 63000

The person authorized to compile the technical file,
Name **Marcel Filz**
Address **Positec Germany GmbH**
Postfach 680194, 50704 Cologne, Germany




2024/07/15
Allen Ding
Deputy Chief Engineer, Testing & Certification
Positec Technology (China) Co., Ltd
18, Dongwang Road, Suzhou Industrial
Park, Jiangsu 215123, P. R. China

DECLARATION OF CONFORMITY

We,
Positec (UK & Ireland) Ltd.
PO Box 6242, Newbury, RG14 9LT, UK

On behalf of Positec declare that the product
Description **Cordless Grass Trimmer**
Type **KG160E KG160E.X (1-designation of machinery, representative of Cordless Grass Trimmer)**
Function **cutting grass and similar soft vegetation and for trimming grass edges**

Complies with the following Directives:
Supply of Machinery (Safety) Regulations 2008
Electromagnetic Compatibility Regulations 2016
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations
Noise Emission in the Environment by Equipment for Use Outdoors Regulations

- Conformity Assessment Procedure as per
SCHEDULE 9
- Measured Sound Power Level **94.8 dB (A)**
- Declared Guaranteed Sound Power Level **96 dB (A)**

16 The notified body involved

Name: **ISET S.r.l. Unipersonale (Notified body 0865)**
Address: **Via Donatori del Sangue, 9 46024 - Moglia (MN), Italy**

Standards conform to
BS EN 60335-1
BS EN 50636-2-91
BS EN 62233
BS EN ISO 3744
BS EN IEC 55014-1
BS EN IEC 55014-2
BS EN IEC 63000

The person authorized to compile the technical file,
Name **Jim Kirkwood**
Address **Positec (UK & Ireland) Ltd.,**
PO Box 6242, Newbury, RG14 9LT, UK



2024/07/15
Allen Ding
Deputy Chief Engineer, Testing & Certification
Positec Technology (China) Co., Ltd
18, Dongwang Road, Suzhou Industrial
Park, Jiangsu 215123, P. R. China

Kress 

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AR01573406

Cordless Grass Trimmer

KG160E
KG160E.X