



KARCHER LTR 18-30 Battery Set Cordless Grass Trimmer User Manual

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Grass Trimmer User Manual*

LTR 18-30 Battery

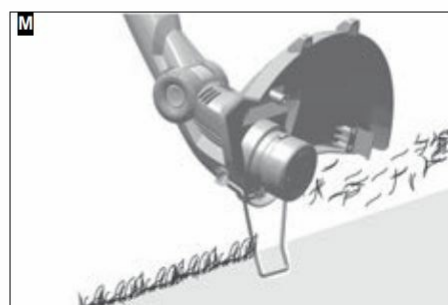
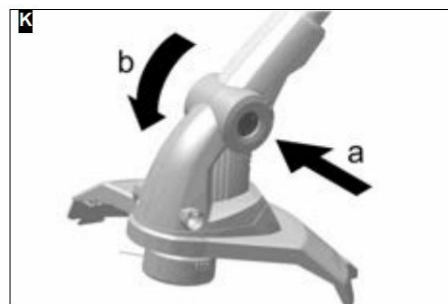
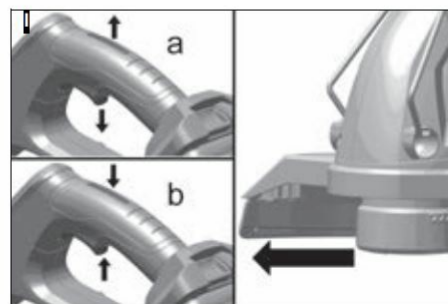
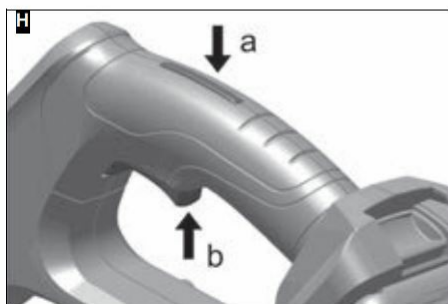
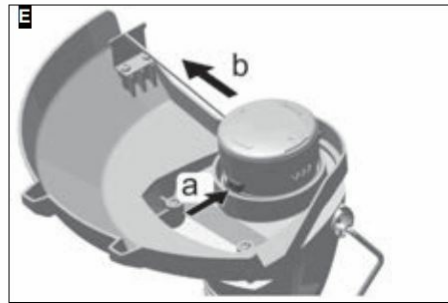
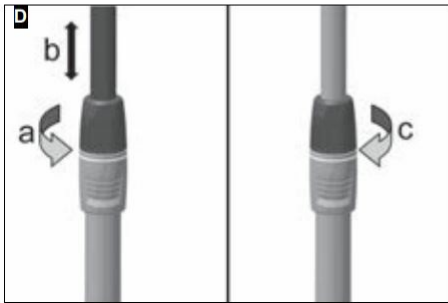
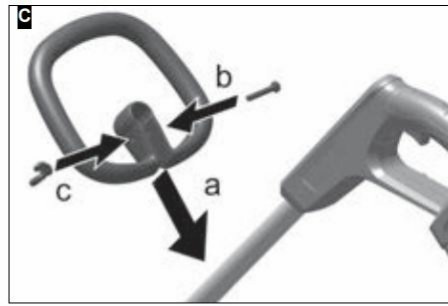
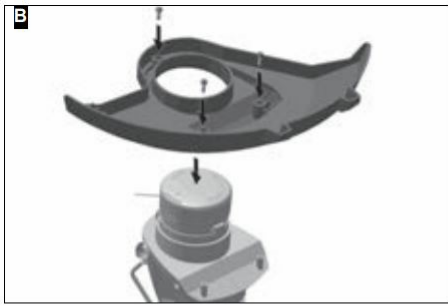


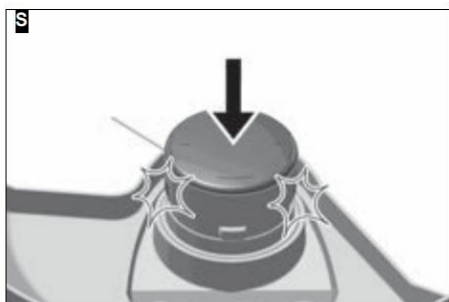
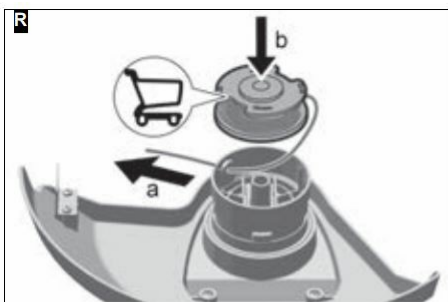
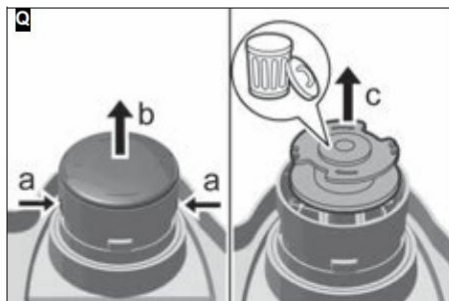
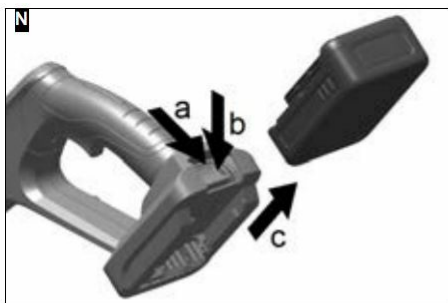
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Safety instructions



Read these safety instructions, these original instructions, the safety instructions provided with the battery pack and the operating instructions supplied with the battery pack/standard charger before using the device for the first time. Proceed accordingly. Keep the booklets for future reference or for future owners. In addition to the notes in the operating instructions, you also need to take into consideration the general safety regulations and accident prevention guidelines applicable by law.

Hazard levels

DANGER

- Indication of an imminent threat of danger that will lead to severe injuries or even death.

WARNING

- Indication of a potentially dangerous situation that may lead to severe injuries or even death.


CAUTION

- Indication of a potentially dangerous situation that may lead to minor injuries.

ATTENTION


- Indication of a potentially dangerous situation that may lead to damage to property.

General safety instructions

 **DANGER** Danger of explosion. The device creates sparks that may ignite dust, gas or vapours. Do not operate the device in explosive atmospheres, such as in the presence of flammable liquids, gases or dusts.

WARNING Danger of accident. Keep your work area clean and well-lit. Keep children and other persons out of the work area while you are using the device. Risk of electric shock. Protect the device from rain and moisture. Avoid switching the device on unintentionally. Make sure that the on/off switch is in the off position before connecting the battery pack, lifting or carrying the device. Injuries through an adjustment key left in a rotating part of the tool. Remove the adjusting key before switching the device on. Do not run but rather walk when working with the device. Do not walk backwards. Avoid an abnormal posture, keep a stable, safe footing and maintain your balance. Never use the device if the on/off switch on the handle does not switch on and off correctly. Do not overload the device. Keep the cutting tools sharp and clean. Sharp cutting tools are easier to control and do not block so easily. Switch the motor off, remove the battery pack and make sure that all moving parts have stopped moving:


- Before making any adjustments.
- Before leaving the device unattended.
- Before checking, cleaning or servicing the device.
- Before removing a blockage or cleaning the ejection chute. Before changing accessories.
- After hitting a foreign object. First check the device for damage and repair any damage before restarting the device.
- When the device starts to vibrate unusually. First check the device for damage and repair any damage before restarting the device.


 **CAUTION** You must not operate the device when you are under the influence of medication or drugs which restrict your reactive capacity. Only work with the device when you are well rested and are in good health. Wear suitable personal protective equipment when working with the device. Protective equipment such as dust masks, non-slip shoes, safety helmet or hearing protection reduce the risk of injury. Wear especially safety glasses and hearing protection. Hearing protection can impair your ability to hear warning sounds, so pay attention to hazards in your vicinity and in the work area. Wear head protection when working in areas with a danger of falling objects.

WARNING Wear long, heavy trousers, clothing with long arms and non-slip boots when working with the device. Do not work barefoot. Do not wear sandals or short trousers. Avoid wearing loose clothing or clothing with cords and straps.

CAUTION Risk of injury when loose fitting clothing, hair or jewellery is caught by moving parts of the device. Keep clothing and jewellery away from moving parts of the device. Tie long hair back. Use the device and accessories only according to these instructions and take the working conditions and the work to be performed into consideration to avoid dangerous situations.

Safe operation

 **DANGER** Severe injuries when objects are flung by the cutting blade or when the cutting tool becomes entangled in wires or cords. Inspect the work area thoroughly for objects such as stones, sticks, metal, wires, bones or toys and remove these before using the device.


 **WARNING** The device is not intended for use by children, persons with restricted physical, sensory or mental abilities or persons unfamiliar with these instructions. Use the device only in daylight or under good artificial lighting. Do not operate the device on wet grass or in the rain. Maintain a minimum distance of 15 m from persons and animals. Stop the device when any persons or animals enter this area. Keep the cutting head below the level of your hips. Never use the device with damaged or absent safety devices.

Never use a metallic cutting string. Only operate the device outdoors. Keep your hands and feet away from the cutting area, especially when switching on the motor. Risk of injury because the blades continue rotating after the motor has been switched off. Danger of injury. The blade on the protective cover for shortening the cutting string is very sharp and you must avoid touching this, especially when cleaning the device.


Make sure that the ventilation openings are free of deposits. Check the device for damage before each use and after any impacts. Damaged parts, e.g. a switch, must be repaired or replaced by the authorised Customer Service department. Ensure that the drive head attachment is correctly fitted and fastened. Ensure that all protective devices, deflectors and handles are correctly fitted and securely fastened. Check that the string cutter is correctly positioned and secured each time before use. Use only replacement strings from the original manufacturer. Do not use any other cutting attachment. Danger of injury. Do not make any modifications to the device.

Note Regulations may restrict the use of this device in some regions. Seek advice from your local authorities.

Safe servicing and care

 **WARNING** After pushing out a new string, bring the device into the normal operating position before switching it on. Ensure that the device is in a safe condition by regularly checking that all bolts, nuts and screws are screwed tight. Check that the moving parts function correctly and are not blocked, and that no parts are broken or damaged. Have a damaged device repaired before using it. Switch the motor off, remove the battery pack and make sure that all moving parts have stopped moving:


- Before cleaning or servicing the device.
- Before changing accessories.


 **CAUTION** Only use accessories and spare parts which are approved by the manufacturer. Only original accessories and original spare parts ensure that the appliance will run fault-free and safely.

ATTENTION Clean the product with a soft, dry cloth each time after use.

Note Service and maintenance work may only be performed by suitably qualified and specially trained personnel. We recommend sending the product to an authorised service centre for repair. You may only perform the adjustments and repairs described in these operating instructions. Contact your authorised Customer Service department for other repairs. Have damaged or illegible warning signs on the device replaced by the authorised Customer Service department.

Safe transport and storage

 **WARNING** Switch the device off, allow it to cool down and remove the battery pack before storage or transportation.

 **CAUTION** Risk of injury and damage to the device. Secure the device against movement or falling down during transport.


ATTENTION Remove all foreign bodies from the device before storage or transportation. Store the device in a dry, well ventilated location out of the reach of children. Keep the device away from corrosive substances such as garden chemicals. Do not store the device outdoors.

Residual risks

 **WARNING**

- Certain residual risks remain present, even when the device is operated in the prescribed manner. The following dangers can be present when using the device:
- Vibration can cause injuries. Use the correct tools for the job, use the handles provided and restrict the working time and hazard exposure time.
- Noise can cause hearing injuries. Wear hearing protection and limit the duration of exposure.
- Injuries due to flung objects.

Risk reduction

 **CAUTION**

- Using the device for longer periods can cause poor circulation in the hands due to vibrations. A general period of use cannot be set, because this depends on several influencing factors:
- Personal tendency to suffer from poor circulation (frequently cold fingers, tingling sensation in the fingers)
- Low ambient temperature. Wear warm gloves to protect your hands.
- Holding the device too tightly hindering blood circulation.
- Continuous operation is more harmful than operation interrupted by work breaks. You should see a doctor if using the device regularly and for lengthy periods of time, and in the event of repeated occurrences of symptoms such as tingling in the fingers or cold fingers.

Intended use



Improper use Risk of fatal injury from incision injuries Only use the device for its proper use. Never use metal blades such as saw blades or brush blades.



Flying objects Risk of injury and damage Maintain a minimum distance of 15 m from persons, animals and other objects.

- The device is intended for outdoor use.
- The device can be used for trimming grass along walls, fences, trees and on edgings.
- The device can also be used for mowing in places that are difficult to access with lawnmowers, e.g. ditches, slopes and clearings.
- Modifications and changes not authorised by the manufacturer are prohibited.
- Never use the device in a wet environment or in the rain.
- Never mow wet grass or other growth.

Environmental protection



The packing materials can be recycled. Please dispose of packaging in accordance with the environmental regulations.



Electrical and electronic appliances contain valuable, recyclable materials and often components such as batteries, rechargeable batteries or oil, which – if handled or disposed of incorrectly – can pose a potential threat to human health and the environment. However, these components are required for the correct operation of the appliance. Appliances marked by this symbol are not allowed to be disposed of together with the household rubbish.

Notes on the content materials (REACH) Current information on content materials can be found at: www.kaercher.com/REACH

Accessories and spare parts

Only use original accessories and original spare parts. They ensure that the appliance will run fault-free and safely. Information on accessories and spare parts can be found at www.kaercher.com.

Scope of delivery

The scope of delivery for the appliance is shown on the packaging. Check the contents for completeness when unpacking. If any accessories are missing or in the event of any shipping damage, please notify your dealer.

Symbols on the device



Follow all warning notices and safety instructions. Read and comprehend all instructions before using the product.



Always wear suitable eye protection and hearing protection when working with the device.



Do not subject the device to rain or moist conditions.



Do not use saw blades or metal blades.



Danger due to flung objects. Keep a safe distance away.



Hand injuries from sharp cutting tool.

Description of the device

The maximum amount of equipment is described in these operating instructions. Depending on the model used, there are differences in the scope of delivery (see packaging). For the

illustrations, refer to the graphics page Illustration A

1. Rear handle
2. Unlocking button
3. Battery pack release
4. Power switch
5. Front handle
6. Handle screw
7. Upper shaft
8. Telescoping collar
9. Twist collar
10. Lower shaft
11. Pivoting head
12. Plant guard bracket
13. String guard
14. Cutting edge
15. Cutting string
16. Reel cover
17. Reel cover release
18. Cutting tool a) String reel b) Trimmer blade
19. Eye
20. Button for releasing the string
21. *Rechargeable battery pack
22. *Charger
23. Type plate
- * optional

Rechargeable battery pack

The device can be operated with a Kircher 18 V Battery Power battery pack.

Installation

Installing the string guard

WARNING

Blade on the string guard Incision injuries Install the string guard before using the device for the first time.

WARNING

Exposed string

Incision injuries Never use the device without the string guard. Illustration B The string guard must face the operator.

1. Insert the string guard into the bracket.
2. Screw the string guard to the bracket.

Installing the front handle

1. Screw the front handle to the upper shaft section at the desired height. Illustration C

Initial start-up

Adjusting shaft length

1. Release the telescoping collar counter clockwise. Illustration D
2. Pull out the upper shaft until the desired length is reached.
3. Tighten the telescoping collar clockwise.

Adjusting the string length

1. Press the button for releasing the string and pull the string out of the string reel and up to the cutting edge. If necessary, press the button several times. Illustration E

Installing the battery pack

1. Push the battery pack into the mounting in the device until it audibly latches into place. Illustration F

Operation

Bringing the plant guard into the operating position

The plant guard bracket protects plants, for example ,when mowing alongside flowerbeds or tree trunks.

1. Before starting the mowing process, fold down the plant guard bracket. Illustration G

Working techniques

CAUTION

Obstacles in the mowing area Risk of injury and damage Before starting mowing, check the work area for objects that may be flung away, e.g. wires, stones, cords or glass.

1. Press the unlocking button. Illustration H
2. Press the power switch. The device starts up.
3. Guide the cutting head parallel to the ground.
4. Guide the device in a semi-circular movement over the cutting area.
5. Mow long grass in several passes.

Extending the string length during operation

The string on the device wears during mowing and becomes shorter due to fraying and being torn off. A string that is too short will result in unsatisfactory mowing results.

Note

The string length can be extended during operation.

1. Release the unlocking button and power switch. Illustration I
2. Press the unlocking button and power switch. The string extends automatically and is automatically trimmed to the correct length by the cutting blade. Illustration J

Note

You must replace the string reel if the string no longer extends automatically (see Chapter Replacing the string reel).

Mowing edges

1. Press the pivoting button and move the cutting head to the middle position. Illustration K
2. Push the twist collar down and turn the lower shaft 180° clockwise until the twist collar snaps into place. Illustration L
3. Press the unlocking button.

4. Press the power switch.
5. Mow the edge regions. Illustration M

Changing the cutting tool

The string reel and the trimmer blade are available as cutting tools.

1. Remove the battery pack (see Chapter Removing the battery pack).
2. Remove the unneeded cutting tool and fit the desired cutting tool (see Chapter Replacing the cutting tool).

Removing the battery pack

Note

During longer work breaks, remove the battery pack from the device and secure it against unauthorised use.

1. Pull the battery pack unlocking button in the direction of the battery pack. Illustration N
2. Press the battery pack unlocking button to unlock the battery pack.
3. Remove the battery pack from the device.

Finishing operation

1. Remove the battery pack from the device (see Chapter Removing the battery pack).
2. Clean the device (see Chapter Cleaning the device).

Transport

CAUTION

Failure to observe the weight Risk of injury and damage Be aware of the weight of the device during storage.

1. Remove the battery pack (see Chapter Removing the battery pack).
2. Secure the device against slipping and tipping over when transporting in vehicles.

Storage

Clean the device before storing (see Chapter Cleaning the device).

1. Release the telescoping collar and press the shaft sections together. Illustration O
2. Tighten the telescoping collar. Illustration P
3. Press the pivoting button and fold the cutting head in as far as possible.
4. Store the device in a dry, well ventilated location. Keep away from corrosive substances such as garden chemicals and defrosting salt. Do not store the device outdoors.

Care and service

CAUTION

Uncontrolled start-up Incision injuries Remove the battery from the device before all work on the device.

CAUTION

Risk of injury from sharp blades Wear safety goggles and protective gloves when working on the device.

Cleaning the device

1. Remove any remaining cutting residue from the string guard and the cutting head.
2. Clean the device components with a damp cloth if required.
3. Clean the battery mount and electric contacts of dirt and foreign bodies regularly.

Replacing the cutting tool

Replacing the string reel

1. Press the string reel cover unlocking mechanism and remove the string reel cover. Illustration Q
2. Remove and dispose of the string reel.
3. Feed the end of the string on the new string reel through the eye. Illustration R
4. Fit the string reel in the support.
5. Fit the string reel cover in the support. Take care to ensure that the string reel cover audibly latches into place. Illustration S
6. Adjust the string length (see Chapter Initial start-up).

Replacing the trimmer blade

1. Press the trimmer blade unlocking mechanism and remove the trimmer blade.
2. Fit the new trimming blade into the support. Note the correct position via the marking. Illustration T

Troubleshooting guide

Malfunctions often have simple causes that you can remedy yourself using the following overview. When in doubt, or in the case of malfunctions not mentioned here, please contact your authorised Customer Service.

As the battery pack ages, even if it is looked after, its capacity reduces such that the full run time will no longer be reached when fully charged. This does not indicate a defect.

Fault	Cause	Rectification
The device does not start up	Battery pack is not inserted correctly.	● Push the battery pack into the mounting until it latches into place.
	Battery pack is empty	● Charge the battery pack.
	Battery pack is defective.	● Replace the battery pack.
The device stops during operation	String is too long and is causing the motor to overload	● Install the string guard. The string will automatically be shortened.
	Cutting head blocked by cutting residue	● Remove the cutting residue.
	Motor is overloaded	● Mow only suitable cutting material, see Chapter <i>Intended use</i> .
	Motor has overheated	● Stop working and allow the motor to cool down.
	The battery has overheated	● Stop working and allow the battery to cool down to normal battery temperature.

Warranty

The warranty conditions issued by our relevant sales company apply in all countries. We shall remedy possible malfunctions on your appliance within the warranty period free of cost, provided that a material or manufacturing defect is the cause. In a warranty case, please contact your dealer (with the purchase receipt) or the next authorised customer service site. (See overleaf for the address)

Technical data

LTR 18-30		
Device performance data		
Working voltage of the battery	V	18
Working width	mm	300
Cutting string, diameter	mm	1,65
Idle speed	1/min	7700 +/- 10%
Determined values in acc. with EN 50636-2-91		
Sound pressure level L_{pA}	dB(A)	85,8
Uncertainty K_{pA}	dB(A)	2,5
Sound power level $L_{WA} + K$ uncertainty $_{WA}$	dB(A)	96
Front handle hand-arm vibration value	m/s^2	1,4
Rear handle hand-arm vibration value	m/s^2	0,6
Uncertainty K	m/s^2	1,5
Dimensions and weights		
Length x width x height	mm	1329 x 312 x 327
Weight (without battery pack)	kg	2,2

Subject to technical modifications.

Vibration value



WARNING

The specified vibration value was measured using a standard test procedure and may be used to compare devices. The specified vibration value may be used in a provisional assessment of the load. Depending on the way the device is used, the vibration emission can deviate from the specified overall value during the current use of the device.

Device with a hand-arm vibration value > 2.5 m/s² (see chapter Technical Data in the operating instructions)



CAUTION Uninterrupted use of the device for several hours can lead to numbness. Wear warm gloves to protect your hands. Take regular breaks from work.

EU Declaration of Conformity

We hereby declare that the machine described below complies with the relevant basic safety and health requirements in the EU Directives, both in its basic design and construction as well

as in the version placed in circulation by us. This declaration is invalidated by any changes made to the machine that are not approved by us.

Product: Lawn trimmer/edge trimmer
Type: LTR 18-30 Battery 1.444-31x.0
Currently applicable EU Directives
2000/14/EC (+2005/88/EC)
2006/42/EC (+2009/127/EC)
2011/65/EU
2014/30/EU

Harmonised standards used

EN 60335-1:2012+A11:2014+A13:2017
EN 50636-2-91:2014
EN 50581:2012
EN 55014-1:2017
EN 55014-2:2015

Conformity evaluation procedure used

2000/14/EC and amended by 2005/88/EC: Annex VI

Sound power level dB(A)

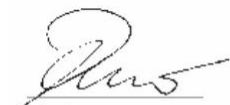
Measured:93,2

Guaranteed:96

Name and address of the notified body involved

Société Nationale de Certification et d'Homologation 2a. Kalchesbruck
L-1852 Luxembourg
ID no. 0499

The signatories act on behalf of and with the authority of the company management.



H. Jenner

Chairman of the Board of Management



S. Reiser

Director Regulatory Affairs & Certification

Documentation supervisor: S. Reiser Alfred Kärcher SE & Co. KG Alfred-Kärcher-Str. 28 – 40 71364 Winnenden (Germany)

Ph.: +49 7195 14-0

Fax: +49 7195 14-2212

Winnenden, 2018-07-01



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Alfred Kärcher SE & Co. KG Alfred-Kärcher-Str. 28-40 71364 Winnenden (Germany)

Tel.: +49 7195 14-0

Fax: +49 7195 14-2212



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KARCHER



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LTR 18-30 Battery Set Cordless Grass Trimmer

Related Manuals / Resources



[GARDENA Battery Trimmer User Manual](#)

GARDENA Battery Trimmer User Manual Product overview 2. Product liability In accordance with the German Product Liability...



[WAHL Battery Operated Trimmer Instructions](#)

WAHL Battery Operated Trimmer Instructions OPERATING INSTRUCTIONS Read all your instructions before using. Do not throw away WARNING...



[PRO TECH Battery Powered String Trimmer User Guide](#)

PRO TECH Battery Powered String Trimmer Assembly Tools needed: 5mm Allen Wrench (included) Find a clean fl at...



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BOSCH Art 23 Easytrim Accu Battery Cordless Grass Trimmer F 016 800 178 F 016 800 177 (ART...

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