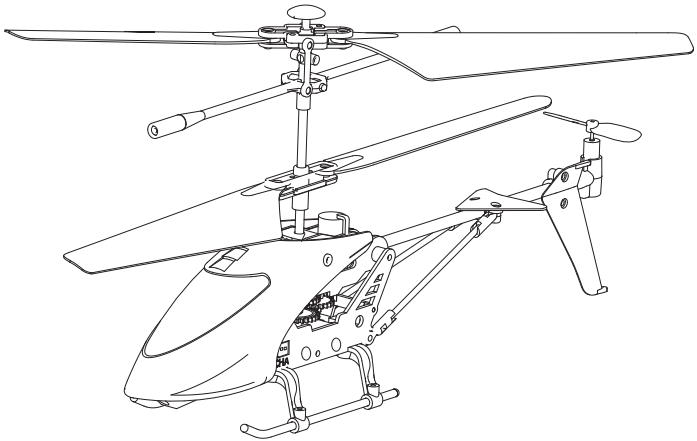
SYMA®

8+

S107H-E helicopter



User manual

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DE DEUTSCH EINFÜHRUNG 18-35

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PREFACE

To make your experience with this remote control helicopter as easy and convenient as possible, please read the instructions provided before using the product. Enjoy and have fun with the product while keeping the manual for future maintenance and reference.
1. In order to protect the legitimate rights and interests of users, please be sure to carefully read the contents of this manual before using this product.
2. When using this product. please be sure to strictly observe and perform the requirements which includes but not limited to the instructions and safety guidelines, For any personal injury,accident. property loss, legal dispute, or any other adverse event causing a conflict of interest resulting from the use of the product or any irresistible factors that are tn violation of the safety instructions, the user shall bear the related responsibilities end losses. Syma will not take any responsibility.
3. Once you start using the product. you are deemed to have read, understood, recommended and accepted terms and contents of the instructions (Including disclaimers, safety instructions, warning Instructions, etc) Included with this product.
4. In case you are having challenges on any aspect of the product, may it be operation or maintenance, please contact your local sales agent or contact customer support at Syma.

1.0 Important safety information

Thank you for purchasing this SYMA product. To ensure that you operate the helicopter correctly and conveniently, please read these instructions carefully before first use and store them in a safe place for future reference.

Safety Guide

1. Please store the smaller-sized helicopter accessories in places that are out of reach of children.
2. This helicopter is very powerful. For all first-time flights, the left joystick must be slowly pushed up in order to prevent the helicopter from ascending too fast to avoid unnecessary collision and possible damage and injury.
3. When the flight is ended, first turn off the power of the remote control. Then turn off the power of the helicopter.
4. Avoid placing the batteries in places with high temperatures and exposure to heat.
5. Take extra precaution to ensure that the helicopter is at a minimum distance of 15 feet from the pilot, other people, and animals in order to prevent bodily injury during flight operation. A minimum separation distance of 20 cm must be maintained between the user's body and the device under normal use condition.
6. Children under the age of 8 must be instructed in the correct and safe operation of the helicopter by an adult.
7. Children must be under adult supervision when using this helicopter.
8. Non-rechargeable batteries are not to be recharged; Batteries are to be inserted with the correct polarity; Different types of batteries or new and used batteries are not be mixed.
9. When the helicopter is not in use, please remove the batteries in the remote control.

10. The supply terminals are not be short-circuited.
11. Discharge the battery to 40%-50% (On a full charge, fly for half of the total flight time) if it will not be used for 10 days or more, this can greatly extend the battery life.
12. Please keep a safe distance from the spinning propellers to avoid injury.
13. To ensure the electromagnetic environment requirement of the aviation radio (station), using remote controls in the zone, which is in a radius of about 5000m zone from the circle center of the airport runway, is forbidden. All users also should abide by the regulation of the radio set forth by government and regulatory agencies including the duration and area.
14. Only uses the recommended transformer for the model, and the transformer is not a toy. Check the cord, plug, enclosure and other parts of the transformer regularly. If any damages have been discovered, please immediately stop using it, until it was completely repaired.
15. Never look steadily at the laser beam since the laser radiation.
16.NOTE: Assemble the helicopter under adult supervision.
17. The pilot is responsible for the safe operation and safe distance from uninvolved persons and property on the ground and from other airspace users and shall never fly the Helicopter above crowds (> 12 persons).
18. Use a screwdriver to open the battery cover of the toy.
19. The packing has to be kept since it contains important information.
20. Calm areas. It is strongly recommended to fly in areas without air flows. Do not fly in areas with: air conditioner/electric fan or table lamp, or other electric equipment which may be easy damaged.
21. The supply terminals should not be short-circuited.
22. Use only the supplied charging cable.
23. Attention: helicopter assembly under adult supervision.
24. Open the battery cover of the toy with screwdriver.
25. The packing has to be kept since it contains important information.
26. Charger used with the helicopter should be examined regularly, such as the cord, plug, enclosures and other parts. In case of any damages is found, please stop using it unless it is repaired or replaced.
27. Do not touch the rotating rotor, avoid loose clothing or hair that could be caught in the rotor, do not fly near the face.
28. Advice to keep the instructions for use.

Repair and maintenance

1. Use dry and soft cloth to clean this product.
2. Avoid exposing this product to heat.
3. Do not immerse this product in water, otherwise, the electronic parts will be damaged.
4. Check the cord, plug, enclosure and other parts regularly. If any damages have been discovered, please immediately stop using it, until it was completely repaired.

Cautions

Please read the following contents before using to avoid irreparable damage to the battery, fire, smoke or explosion!!!
1. Avoid short circuits by fitting the batteries incorrectly, and DO NOT crush or squeeze the batteries as this could carry the risk of an explosion.
2. Ensure to store or charge the battery in an open, dry area away from any flammable objects. (A fireproof bag is recommended.)
3. It is recommended to only use the USB charging cable that comes with the helicopter to charge the battery.
4. DO NOT connect the battery directly to wall outlets or car cigarette lighter sockets.
5. DO NOT charge the battery directly after use, allow it time to cool down in an open and dry area.
6. DO NOT charge the batteries above 2 Amps. Make sure to remove the batteries from the charger after charging is complete, never overcharge the batteries.
7. DO NOT attempt to disassemble or modify the battery in any way.
8. DO NOT use the battery if it gives off an odor, generates heat, becomes discolored or deformed, or appears abnormal in any way.
9. Keep battery out of reach of children or pets.
10. Do NOT attempt to disassemble or modify the battery in any way.
11. Be cautious while removing a battery from the charger, it's possible to strip the cords that could lead to a fire (And ruin the battery).
12. DO NOT pierce the battery casing with a nail or other sharp object, break it open with a hammer, or step on it!

Battery Warning

Please follow all instructions in the manual to avoid irreparable damage. Avoid causing the battery to catch fire, smoke or explode.
1. Before charging or using, please pay attention to the condition of the battery. If the charge drops, please replace the battery to avoid odor, overheating, discoloration, deformation, or leakage.
2. Please use the appropriate Li-Po chargers, we recommend that you only use the chargers provided.
3. Please do not charge the battery in place of near the fuel, or in a vehicle. (It is best to place the battery in a non-conductive or non-flammable container.)
4. Do not store Li-Po batteries near moisture or direct sunlight, or in the location of high temperatures (e.g. excessive heat such as in cars parked in the sun.)
5. When charging, put the battery in a place where you can see it.
6. Do not disassemble, modify wiring or puncture battery.
7. Please make sure that the output voltage of the device match the voltage.
8. Do not overcharge the battery.
9. Do not charge the battery immediately after each use. Cool down the battery by placing it in a dry place.
10. Batteries must not be short-circuited. keep the batteries away from children.
11. Improper use may result in battery explosion, fire or other hazards.

2.0 About this product

2.1 Specifications

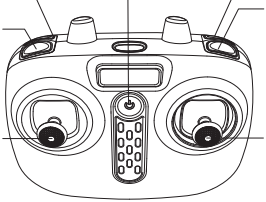
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Helicopter	
Brand Name	SYMA
Model	S107H-E
Helicopter weight	about 42g
Helicopter Size	220x38x105 mm
Motor	Ø7
Battery	3.7V 200mAh
Charging time	about 60 minutes
Flight time	about 8 minutes *2 pcs batteries

Remote control	
Operating frequency	2.4 GHz
Range	30m
Battery	1.5V*AA*4(Not included)

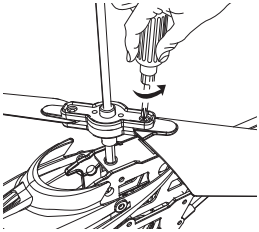
Package contents	
Helicopter	1
Remote control	1
USB charging cable	1
Tail blade	2
Screwdriver	1
Instructions	1
Battery	2

2.2 Remote control

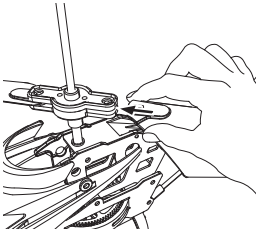


3.0 Assembling the product

3.1 Installing the propellers

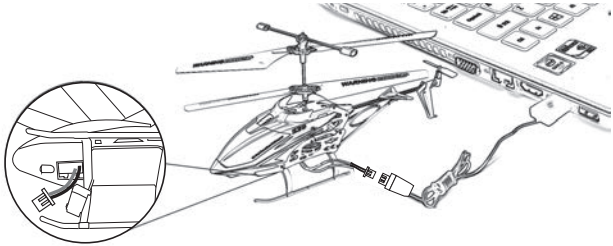


1. Remove the screws before re-installing the blades.



2. A labeled blades fit on the A labeled motors, B labeled blades fit on the B labeled motors. Use the screws to tighten the blades. Refer to the image.

3.2 Charging the helicopter battery



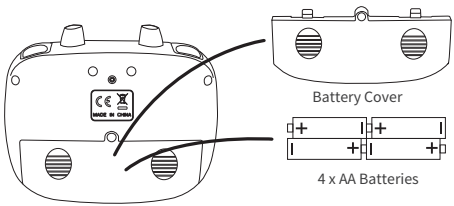
1. Turn off the helicopter;
2. Connect the battery to the charging cable (Install batteries in correct polarity.)
3. Insert the charging cable into the USB port of the computer (The indicator light is off.)
4. Fully charged indicator light is red. Charging time: about 60 minutes Flight time: about 8 minutes.

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Important: battery charging information

1. Rechargeable batteries should be removed from the toy before being charged.
2. Rechargeable batteries should only be charged under the supervision of adults.
3. Exhausted batteries should be removed from the helicopter.
4. Caution: Risk of explosion if battery is replaced with incorrect ones. Please dispose the batteries according to the instructions.
5. Don't use or leave the battery near a heat source such as fire or heater.
6. After flying, don't charge batteries at once to avoid batteries too heat to cause to the fire, make sure it cool down before charging.
7. Don't hit or let batteries fall down when charging to avoid inner short-circuit.
8. Only use the supplied adapter for charging. If the battery is aging, please replace it with a new battery in time.
9. After fully charged, please remove the adapter in time, otherwise the battery will be discharged and charged again, which will shorten the battery life.
10. The toy is only to be connected to Class II equipment bearing the symbol:

3.3 Install the remote control battery



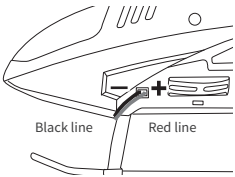
Transmitter battery installation: open the battery cover at the back of the transmitter. Install 4pcs AA batteries according to the polarity indications (Note: batteries are not included).

⚠ Note:

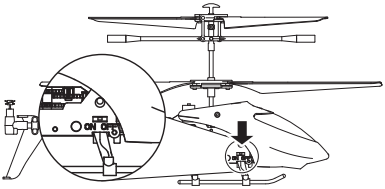
1. During the battery installation, it must be ensured that the polarities of the batteries are matched with that of the battery box. No battery shall be installed with the opposite polarity.
2. Please do not use new and old batteries together.
3. Please do not use different types of batteries together.
4. Do not use rechargeable batteries.

4.0 Flight guide

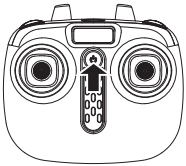
4.1 Flight preparation and turning the helicopter on/off



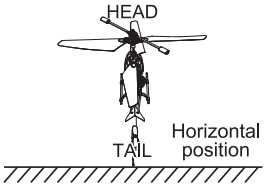
1. Install interface in correct polarity.



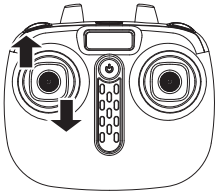
2. To turn on the helicopter, move the on/off switch at the side of the helicopter to the ON status/position. The power light will turn on.



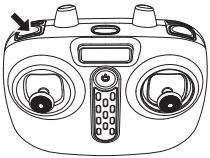
3. Turn on the transmitter.



4. Place the helicopter on the ground. Make sure the rear end of the helicopter faces the pilot.
HEAD TAIL Horizontal position



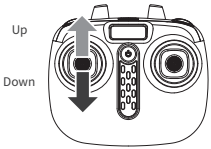
5. Move the throttle stick fully up and after fully down. The helicopter indicator lights will stop flashing and turn solid indicating successful pairing. The helicopter is ready to fly.

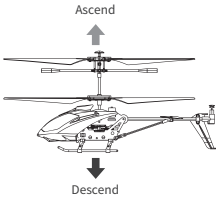


6. To press the button-Auto take-off/ landing button, which located at first button on the left front side of remote control, and then the helicopter is ready to fly.

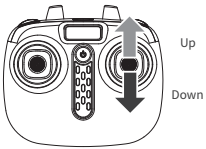
Operations

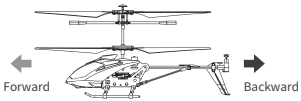
Left stick

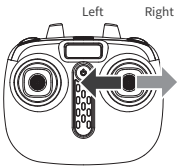


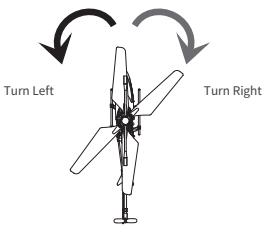


Right stick



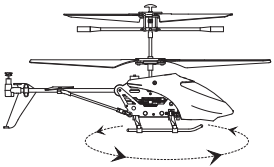






4.2 Trimming

If the helicopter begins to rotate quickly while hovering (left stick is not moved left/right), please adjust the trim button on the transmitter until the helicopter starts hovering as normal.



Counter clockwise rotation

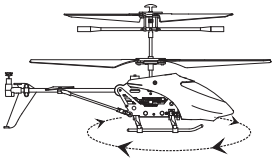


Clockwise rotational trimming button

1. If the helicopter rear end motor spins clockwise making the helicopter unstable, please press the right trimming button on the transmitter until the helicopter regains stability.

⚠Notice:

Make sure the rear end of the helicopter faces the pilot.



Clockwise rotation



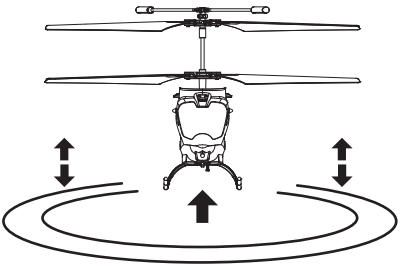
Counter clockwise rotational trimming button

2. If the helicopter rear end motor spins counter clockwise making the helicopter unstable, please press the right trimming button on the transmitter until the helicopter regains stability.

⚠Notice:

Make sure the rear end of the helicopter faces the pilot.

Use the left stick (throttle) to achieve the desired height and after allow the left stick to fall back to its default middle position.



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5.0 Contact Us

Please do not hesitate to contact us if you need more further support.

warranty@symatoys.com.cn
+1 718-312-0558(US)
+44 (0)7723708421(UK)
+4933545519201(DE)

For online support, please scan this code with Facebook Messenger

6.0 Accessories(available separately)

The following section contains a list of optional accessories that are available to purchase. Accessories can be purchased from your local retailer. Please indicate your preferred colour when making your purchase.


Canopy


Tail stabilizers


The main motor blade


The main motor blade


Main stand


Balance beam


Connective parts


Landing skids


Drive gears


Blade clips


Main rotor assembly


Tail components

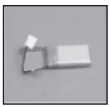

Tail boom brace


Mainframe golden support components


Rotor A


Rotor B


Tail rotor


Battery

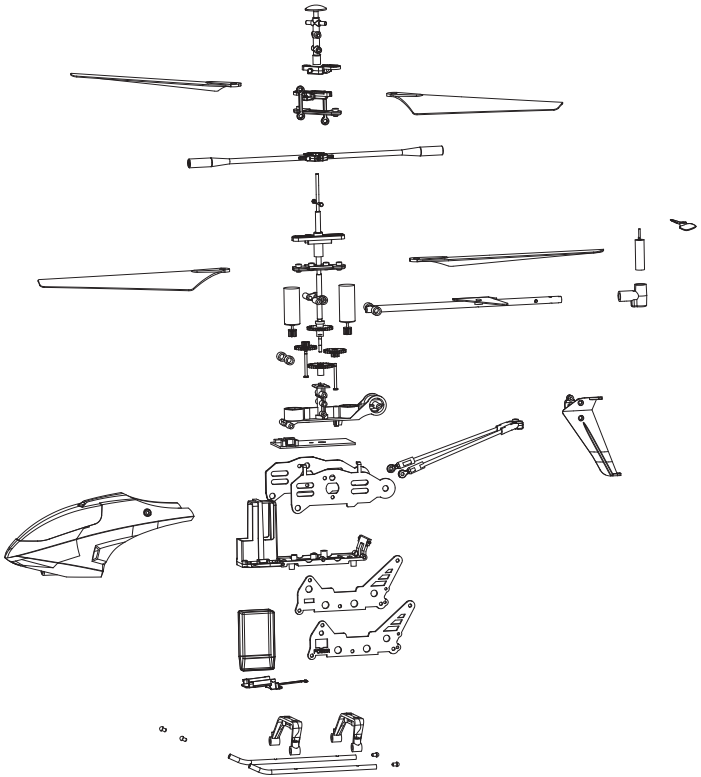

Circuit board


USB Charging cable


Transmitter


Screwdriver

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Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Notice.
Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
This device complies with part 15 of the FCC Rules.
Operation is subject to the following two conditions:
1. This device may not cause harmful interference,and
2. This device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
●Reorient or relocate the receiving antenna.
●Increase the separation between the equipment and receiver. •Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
●Consult the dealer or an experienced radio/TV technician for help.

"This device complies with FCC radiation exposure limits set forth for general population (uncontrolled exposure). This device must not be collocated or operating in conjunction with any other antenna or transmitter."
RF frequency band: 2415-2465MHz
Transmitter power: -15.25dBm(Max.)
Product Name: RC Helicopter
Decoration of Conformity Inserts: Hereby, GuangDong SYMA Model Aircraft Industrial Co., Ltd. declares that the radio equipment type helicopter is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: http://www.symatoys.com/down/declaration-of-conformity.html



WARRANTY:

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LIMITED 2-YEAR WARRANTY AND FREE LIMITED REPLACEMENT PARTS FOR 2-YEARS
Symatoys.com.cn warrants to the original buyer only that its products will be free from defects in material and workmanship for 2 years from the date upon which the product is shipped, either directly from symatoys.com.cn or from an Authorized Re-seller’ s location, to the buyer.

The following condition's must to be eligible for warranty coverage:
1. During the warranty period product is used as intended by the manufacturer.
2. The Product has not been disassembled or modified.
3. The labels and serial numbers show no signs of tampering or altering.
4. Buyer has a warranty code obtained by registering their product online prior to making a claim.

EXCEPTIONS: THE LIMITED WARRANTY SHALL NOT APPLY TO:
• Damage caused by normal wear and tear
• Accident, negligence, abuse, misuse, misapplication or willful damage by buyer (or its agents), or acts of nature
• Crash or burning caused by non-manufacturing factors
• Damage caused by authorized modification or disassembly not authorized by the instruction manual
• Damage. caused by incorrect use or operation
• Damage caused by mismatch or misuse of battery or charger
• Failure of the operator to follow the operating instruction or use outside the products operating parameters
• Damage caused by operating the product in or around electromagnetic interference (i.e., radio transmitting tower, high-voltage wire, substation, etc.)
• Damage caused by operating the product where there may be interference caused by other wireless devices
• Operating the product with load capacity in excess of the sale weight listed in the manual
• Operating the product with aged, damaged or unauthenticated third-party components
• Operating the product with a defective battery

WARRANTY
PROCEDURE: Any claims for breach of the foregoing limited warranty shall only be valid if buyer makes such claim in writing within 2 year of the date of shipment of the product to which the claim. To make a warranty claim, please email at: warranty@symatoys.com.cn with your full name. address. phone number, order number. vehicle type. part type and purchase date and product issue.

LIMITED REMEDY:
Symatoys.com.cn's sole liability, and buyer's sole remedy for any breach of the foregoing warranty shall be at Symatoys.com.cn's option to exchange the product with a new product or a refurbished product that is functionally equivalent to the original product, or issue a credit or refund to the purchase price the product.
Any replaced products shall be warranted as set forth herein, provided that the period within which buyer may make further claims shall be limited to the remainder of the original period. for the applicable product or 2 years, whichever is longer (although the warranty period shall be suspended during any period of replacement)
DISCLAIMER:

Haftungsausschluss:
THE WARRANTY AND REMEDIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES. AND Symatyos.com.cn DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT AND ANY WARRANTIES ARISING OUT OF COURSE OF DEALING, COURSE OF PERFORMANCE AND TRADE USAGE.
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ANY COSTS OF RECOVERING OR REPRODUCING ANY DATA STORED IN OR USED WITH THE PRODUCT OR ANY FAILURE TO MAINTAIN THE CONFIDENTIALITY OF INFORMATION STORED THE PRODUCT.
Some states do not allow the exclusion or limitation of incidental or consequential damages. so the above limitation or exclusion may not apply to you. In addition, some states do not allow limitations on how long an implied warranty lasts. so the above limitation may not apply to you.
FREE REPLACEMENT PARTS FOR 2 YEARS: Symatoys.com.cn .com shall also make available any spare part needed for registered vehicles free of charge for 2 years from the date of purchase, with the exception of batteries, motors. circuit boards and transmitters. Shipping charges may apply Limit one part type request per registered vehicle (e.g., registrants are entitled to one extra set of batteries per registered vehicle}. To request spare parts. please email at: warranty@symatoys.com with your warranty code, vehicle name/model, current shipping address, purchase date and part type
GET YOUR WARRANTY CODE AT symatoys.com.cn/pages/warranty-signup
HAVE YOUR ORDER NUMBER AND/OR VEHICLE UPC READ

EN

European Representative:
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The company has the right of final interpretation of this user manual.

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