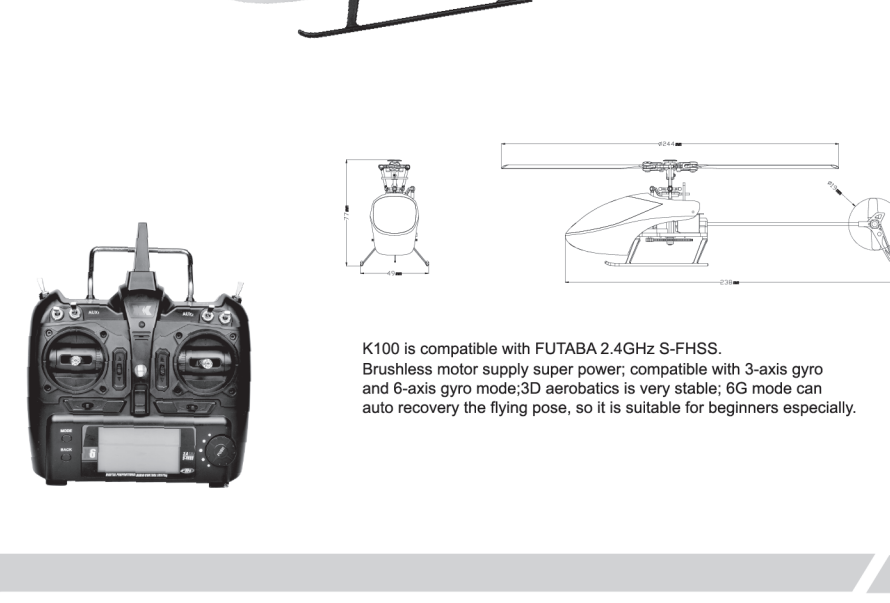
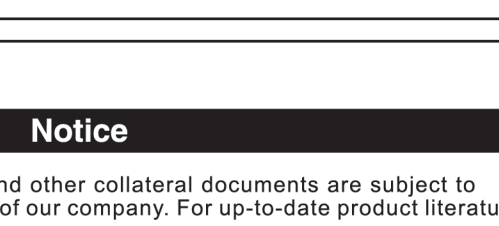
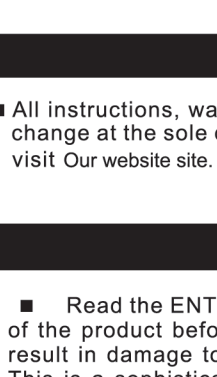


k100

INSTRUCTION MANUAL



K100 is compatible with FUTABA 2.4GHz S-FHSS. Brushless motor supply larger power, compatible with 3-axis gyro and 6-axis gyro mode. 3D aerobatics is very stable, 6G mode can auto recovery the flying pose, so it is suitable for beginners especially.



Notice

■ All instructions, warranties and other collateral documents are subject to change at the sole discretion of our company. For up-to-date product literature, visit Our website site.

Warning

■ Read the ENTIRE instruction manual to become familiar with the features of the product before operating. Failure to operate the product correctly can result in damage to the product, personal property and cause serious injury. This is a sophisticated hobby product. It must be operated with caution and common sense and requires some basic mechanical ability. Failure to operate this Product in a safe and responsible manner could result in injury or damage to the product or other property. This product is not intended for use by children without direct adult supervision. This manual contains instructions for safety, operation and maintenance. It is essential to read and follow all the instructions and warnings in the manual prior to assembly, setup or use, in order to operate correctly and avoid damage or serious injury.

Additional Safety Precautions and Warnings

1. Always Recommendation: Not for children under 14 years. This is not a toy.
2. Always operate your model in open spaces away from full-size vehicles, traffic and people.
3. Follow the operation notice, warning and any support equipment (charger, battery, etc) carefully.
4. Keep away from any chemicals, keep children away from any small parts and electrical equipment.
5. Always keeping away from water, especially for this product don't have waterproof function, it will be damaged by moisture.
6. Never place any portion of the model in your mouth as it could cause serious injury or even death.
7. Never operate your model with low voltage transmitter batteries.

Introduction

■ This is a super classic helicopter with excellent flight performance. Flybarless design, decrease resistance of rotor head. Oude to aerodynamics, the blades can supply strong power and keep stability. Using new type gyro, compatible with 3D and 6G mode. You can make a variety of stunts by 3D mode; 6G mode is suitable for beginners especially.

■ After flying this mini helicopter, you will find other mini helicopters which you have flying are outdised, this is a incomparable and popularization helicopter. Beginners will find it is easily to fly, masters will find it is interesting. It is worth to be possessed.

■ This manual with detailed instruction ,will help you learn more about the product. Pls read it before your flying.

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WARNING: Only use the charge supplied by our company, or it would cause damage.

Notice: When a Li-Po battery is discharged below 3.7V, the battery may be damaged and may no longer accept a charge. Please land the helicopter immediately and recharge the flight battery.

Battery Charging

1-cell 3.7V Variable Rate DC Li-Po Charger

Description:

1. Use standard charger and USB power cord to connect, and then connect to the computer.
2. The red lamp will flash after connecting to computer.
3. The red lamp will brighten when charging, it will go out when complete charging.
4. The charger can charge two batteries at the same time.



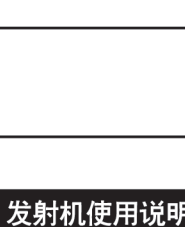
Notice: Use only factory supplied charger
Notice: Never attempt to power the charger from an AC outlet without the use of a proper AC to DC adapter/power supply.

First Flight preparation CAUTION

1. Make sure the battery power is full both for TX and helicopter
2. Before open the power of TX, please make sure the TH. Stick at the bottom and the switch of TH.HOLD and 3D mode in back position (back cover direction)
3. Make sure the TX is binding with helicopter, or please rebind them.
4. Please open TX first, then connect the battery with the RX board on helicopter to bind with TX. When close, please cut the power of helicopter first, and then turn off the TX.
5. Keep away from crowd, cars, high-tension towers and pond. Then you can start your flying.

Gyroscope calibration

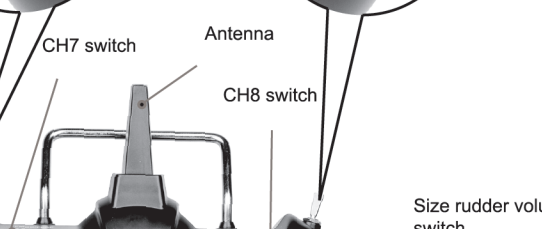
Aircraft factory has passed the flight testing, gyroscope go awry in individual cases, by calibrating the gyro, makes more stable flight
 1. Open the remote control, make sure the throttle stick at the lowest position, 3D switch is in the OFF position.
 2. Power to the plane, to be self-test is complete, the lights lit.
 3. Push the throttle rocker, by the hovering of rocker control, the plane landed.
 4. Move the throttle stick to the bottom left corner of breaking while breaking into the lower right corner of the lift rocker 3-4 seconds, then flash lights appeared to enter the gyroscope calibration. The lights stay if the self-test is complete, you can fly.



Notice: When you turn on the remote control, throttle hold switch is ON, the remote control will be issued Didi alarm sound, you should switch back to the OFF position.
 2. Turn on the remote control when 3D switch in the ON state, the remote controller will issue reported drops. Offbeat, you should switch back to the OFF position.
 3. Turn on the remote control when the throttle stick is not in its lowest position, the remote control will be issued Didi alarm sound, you should leave the throttle stick lowest position.

Throttle Curve and Pitch Curve Set

| Throttle Curve | Position | Normal | 3D Idle |
|----------------|----------|--------|---------|
| 1 | 0 | 0 | 100 |
| 2 | 45 | 100 | 100 |
| 3 | 65 | 100 | 100 |
| 4 | 80 | 100 | 100 |
| 5 | 100 | 100 | 100 |



| Pitch Curve | Position | Normal | 3D Idle |
|-------------|----------|--------|---------|
| 1 | 40 | 50 | 50 |
| 2 | 45 | 60 | 60 |
| 3 | 55 | 90 | 90 |
| 4 | 60 | 60 | 60 |
| 5 | 70 | 70 | 70 |

The above information is for your reference only, you can set freely according to your demand

First Flight instruction 首次飞行指挥

If you are not familiar with the controls of your K100, take a few minutes to familiarize yourself with them before attempting your first flight.
 如果你不熟悉 K100 的控制，花几分钟熟悉它们，然后尝试你的第一次飞行。

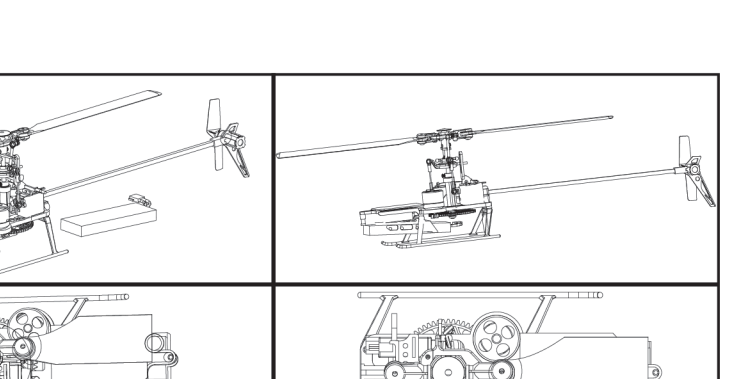
Throttle 油门
 Throttle up 油门向上
 Climb 爬升
 Throttle down 油门向下
 Decend 下降

Rudder 方向
 Rudder left 尾舵向左
 Nose Yaws Left 前侧向左
 Rudder right 尾舵向右
 Nose Yaws Right 前侧向右

Elevator 升降
 Elevator up 升降向上
 Forward 向前
 Elevator down 升降向下
 Backward 向后

Aileron 滚翼
 Aileron left 副翼向左
 Left 向左
 Aileron right 副翼向右
 Right 向右

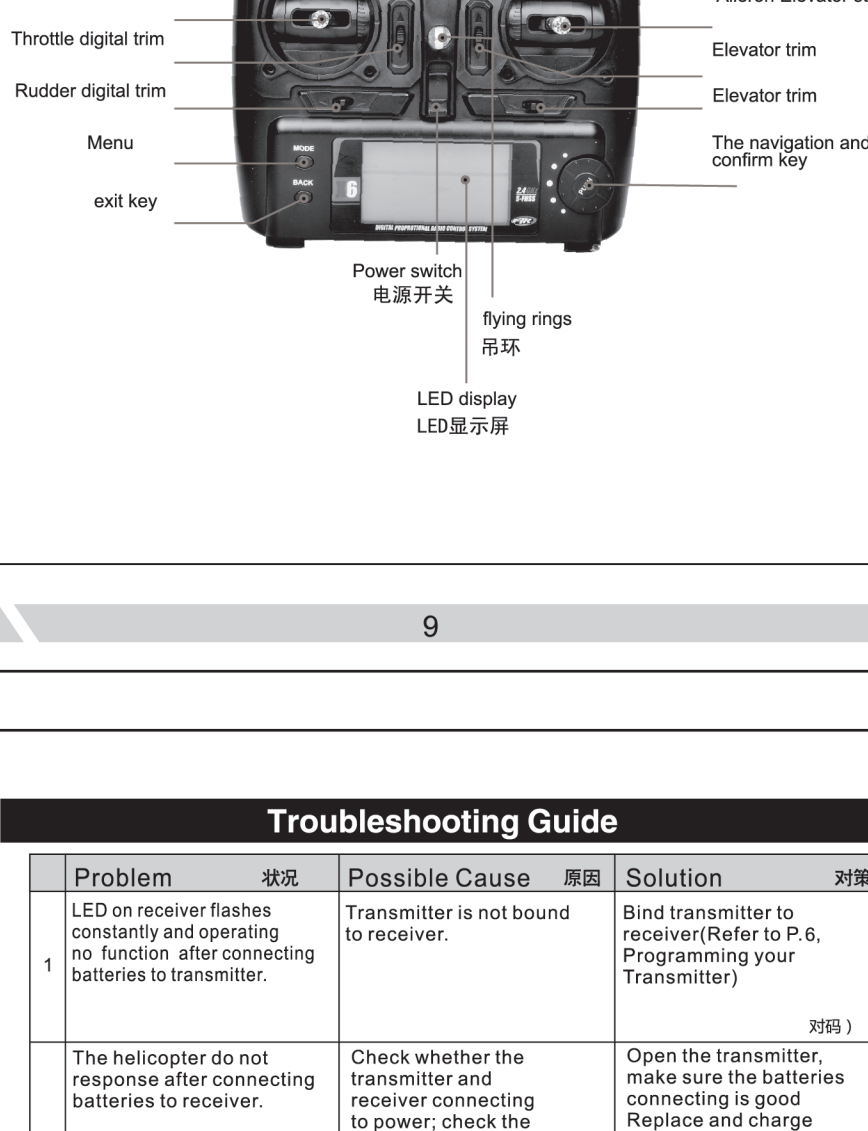
Receiver Interface Diagram 接收机接口图



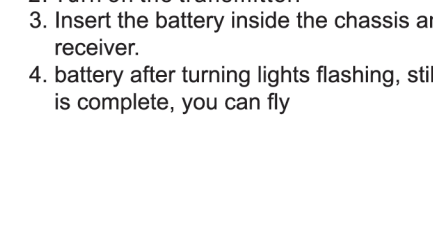
Transmitter Instruction 发射机使用说明

1. Transmitter Chart

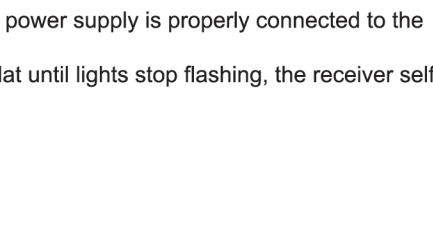
6CH/IDLE switch TH.HOLD switch



Right hand throttle



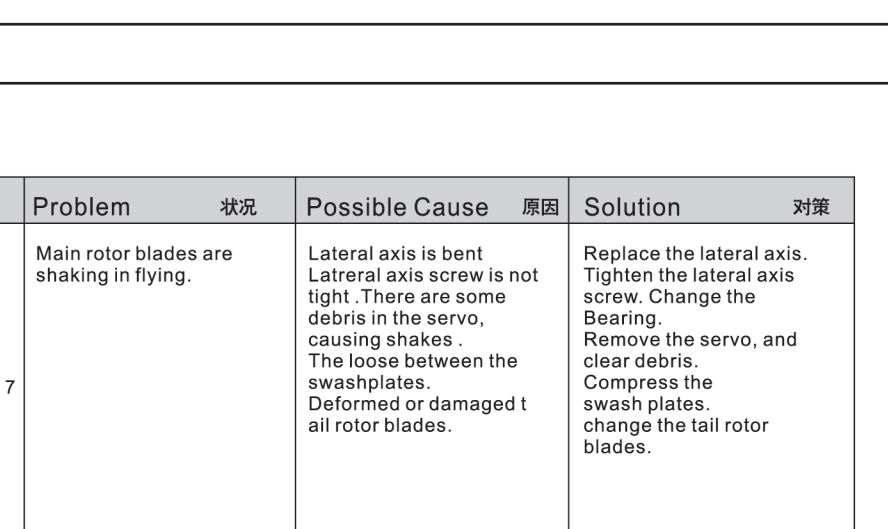
Left hand throttle



2. Which remote control helicopter support CCPM120 degree dedicated remote control, switch the size of the rudder with 3D GG convert four kinds of joystick mode, Flameout switch (TH.HOLD) and other models, large screen LCD display multi-function remote control.

Installing the flight battery

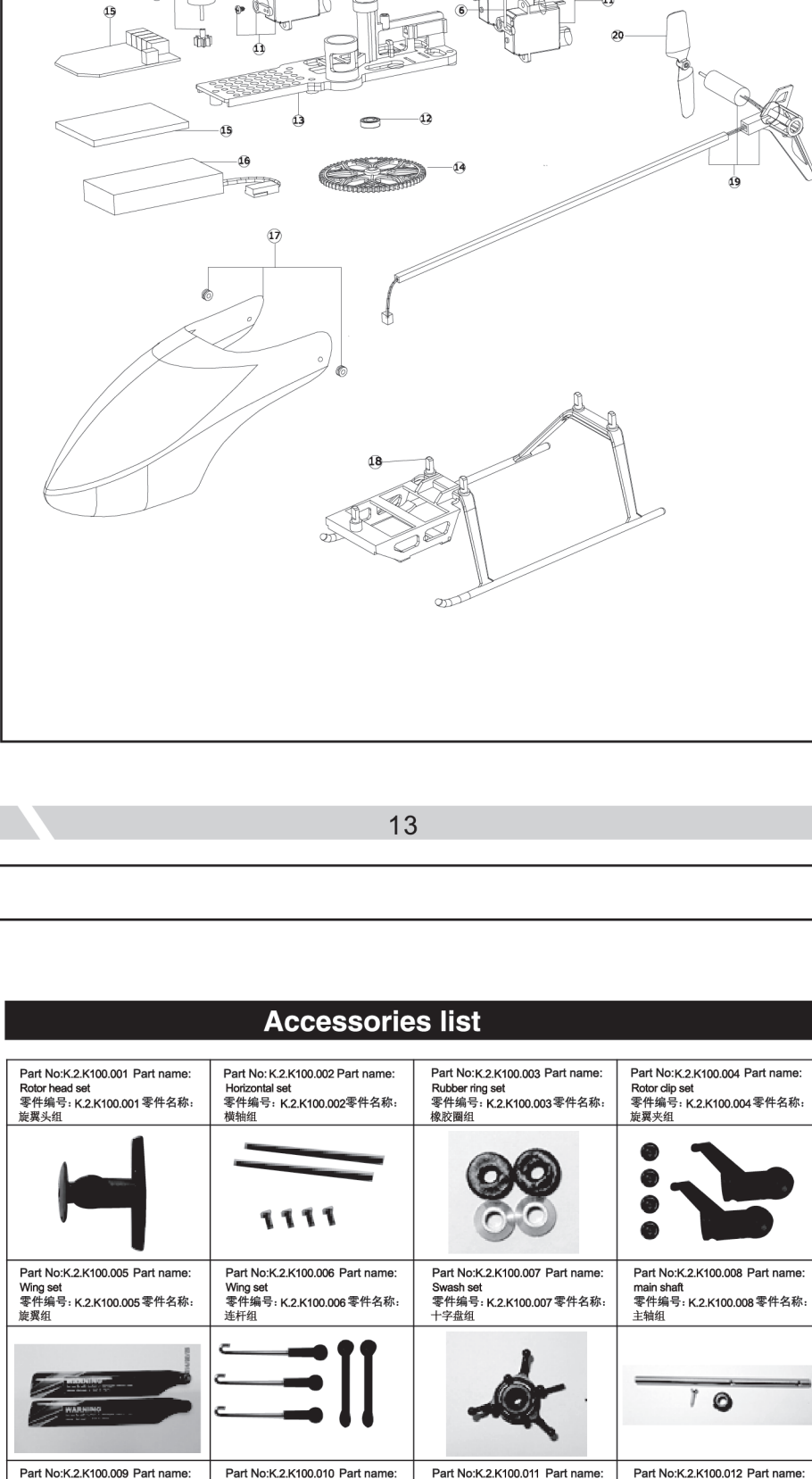
1. Lower the throttle and throttle trim to lowest settings.
2. Turn on the transmitter.
3. Insert the battery inside the chassis and power supply is properly connected to the receiver.
4. battery after turning lights flashing, still flat until lights stop flashing, the receiver self-test is complete, you can fly



Troubleshooting Guide

| Problem | 状况 | Possible Cause | 原因 | Solution | 对策 |
|---------|---|--|--|---|----|
| 1 | LED on receiver flashes constantly and operating no function after connecting batteries to transmitter. | Transmitter is not bound to receiver. | Transmitter is not bound to receiver. | Bind transmitter to receiver (Refer to P.6, Programming your Transmitter) | 对频 |
| 2 | The helicopter do not response after connecting batteries to receiver. | Check whether the transmitter and receiver connecting to power; check the voltage of transmitter and receiver. Battery pole flake contact is not good. | Check whether the transmitter and receiver connecting to power; check the voltage of transmitter and receiver. Battery pole flake contact is not good. | Open the transmitter, make sure the batteries connecting is good. Replace and charge transmitter batteries. Make sure the battery pole flake contact is good. | 对频 |
| 3 | When push the throttle pole, the rotor do not rotate and the LED on the receiver flashes constantly. | Low battery voltage; batteries connection is not good. | Low battery voltage; batteries connection is not good. | Replace and charge the batteries; reconnect the batteries to the receiver board. | 对频 |
| 4 | Helicopter takes off immediately, once off immediately, takes off immediately, and receiver connected. | Didn't put the throttle to the lowest | Didn't put the throttle to the lowest | Put the throttle pole at the lowest position before open the transmitter. | 对频 |
| 5 | Turn on the helicopter after binding successfully, the propeller rotate constantly but the helicopter can not take off. | Low charge in aircraft gear loose. | Low charge in aircraft gear loose. | Replace and charge the batteries; press the spindle with gear tightly. | 对频 |
| 6 | Helicopter vibrates or shakes in flight. | Damaged rotor blades and lateral axis too tight causing the movement of the main rotor isn't smooth. | Damaged rotor blades and lateral axis too tight causing the movement of the main rotor isn't smooth. | Change the main rotor blades, and lateral axis. Loosen the blade grips properly. | 对频 |

Exploding View



Parts List

| NO | PART NAME | QUANTITY |
|----|------------------------|----------|
| 1 | Rotor head group | 1 |
| 2 | Horizontal group | 1 |
| 3 | Rotor Clip Set | 6 |
| 4 | Rotor group | 2 |
| 5 | Linkage | 8 |
| 6 | Swashplate | 2 |
| 7 | Spindle group | 3 |
| 8 | Servo plate group | 1 |
| 9 | Rubber ring group | 4 |
| 10 | Bearing Group | 2 |
| 11 | Base Group | 1 |
| 12 | Gear | 2 |
| 13 | Receiving unit | 2 |
| 14 | Battery Pack | 2 |
| 15 | Chassis Group | 1 |
| 16 | Landing gear group | 1 |
| 17 | Tail motor group | 2 |
| 18 | Tail group | 2 |
| 19 | Screws | 9 |
| 20 | Last bar group | 2 |
| 21 | Last turbines | 2 |
| 22 | Tail motor frame group | 2 |
| 23 | The cord set | 2 |

Notice for beginners:
 1. Pls fly your models with guidance in the first time.
 2. Before fly the models, you need to understand all the function of the transmitter and reaction cause by the rockers.
 3. Don't use 3D mode hurried. Practice flying and hovering flight under 6G mode until you familiar with it. Then you can practice flying and hovering flight under 3D mode.
 When you are familiar with these two mode, you can practice inverted flight with guidance.
 4. Practice hovering flight or inverted flight to lay a foundation for making more brilliant flying.
 5. This model is not a toy. For reducing unnecessary damage, pls take a simulated flight by compute before 3D flying.

Accessories list

| | | | |
|--|---|---|--|
| Part No:K2A100.001 Part name: Receiver set 零件编号: K2A100.001 零件名称: 接收机 | Part No:K2A100.002 Part name: Rubber ring set 零件编号: K2A100.002 零件名称: 橡胶环 | Part No:K2A100.003 Part name: Binding set 零件编号: K2A100.003 零件名称: 对频器 | Part No:K2A100.004 Part name: Battery set 零件编号: K2A100.004 零件名称: 电池 |
| Part No:K2A100.005 Part name: Receiver set 零件编号: K2A100.005 零件名称: 接收机 | Part No:K2A100.006 Part name: Rubber ring set 零件编号: K2A100.006 零件名称: 橡胶环 | Part No:K2A100.007 Part name: Binding set 零件编号: K2A100.007 零件名称: 对频器 | Part No:K2A100.008 Part name: Battery set 零件编号: K2A100.008 零件名称: 电池 |
| Part No:K2A100.009 Part name: Receiver set 零件编号: K2A100.009 零件名称: 接收机 | Part No:K2A100.010 Part name: Rubber ring set 零件编号: K2A100.010 零件名称: 橡胶环 | Part No:K2A100.011 Part name: Binding set 零件编号: K2A100.011 零件名称: 对频器 | Part No:K2A100.012 Part name: Battery set 零件编号: K2A100.012 零件名称: 电池 |
| Part No:K2A100.013 Part name: Receiver set 零件编号: K2A100.013 零件名称: 接收机 | Part No:K2A100.014 Part name: Rubber ring set 零件编号: K2A100.014 零件名称: 橡胶环 | Part No:K2A100.015 Part name: Binding set 零件编号: K2A100.015 零件名称: 对频器 | Part No:K2A100.016 Part name: Battery set 零件编号: K2A100.016 零件名称: 电池 |
| Part No:K2A100.017 Part name: Receiver set 零件编号: K2A100.017 零件名称: 接收机 | Part No:K2A100.018 Part name: Rubber ring set 零件编号: K2A100.018 零件名称: 橡胶环 | Part No:K2A100.019 Part name: Binding set 零件编号: K2A100.019 零件名称: 对频器 | Part No:K2A100.020 Part name: Battery set 零件编号: K2A100.020 零件名称: 电池 |
| Part No:K2A100.021 Part name: Receiver set 零件编号: K2A100.021 零件名称: 接收机 | Part No:K2A100.022 Part name: Rubber ring set 零件编号: K2A100.022 零件名称: 橡胶环 | Part No:K2A100.023 Part name: Binding set 零件编号: K2A100.023 零件名称: 对频器 | Part No:K2A100.024 Part name: Battery set 零件编号: K2A100.024 零件名称: 电池 |