DK32S TRANSMITTER USER MANUAL

Thank you for purchasing SIYI Technology's product. DK32S is a professional, intelligent and universal radio transmitting and receiving system, applied with advanced SHTT digital frequency hopping technology. To maintain a safe and orderly public space and to ensure you a good using experience of DK32S transmitter, please read this manual carefully. If you have any issue using the product, please consult the manual or check online pages of DK32S on SIYI Technology's official website (http://www.siyi.biz). You can also inquire our after-sale service coordinator (support@siyi.biz).

CONTENT

2019 SIYI Tech All Right Reserved

    2019 SIYI Tech All Right Reserved

2019 SIYI Tech All Right Reserved

1 READ TIPS

1.1 Icon Definition

Please pay more attention to content indicated with the following marks:

⚠️**DANGER** Dangerous manipulation probably leads to human injuries.

⚠️**WARNING** Warnings on manipulation possibly leads to human injuries.

⚠️**CAUTION** Cautions on what manipulation may lead to property loss.

🚫 **Prohibited**　❗ **Mandatory**　🔴 **Mark**

1.2 Flight Safety

DK32S transmitting and receiving system is designed for professional application in specific industries, users who approaches to the device should have at least the basic ability to manipulate it. Any irregular or irresponsible manipulations of the device may cause damages and lead to property loss or human injuries. Non-adult users must follow their trainer's guidance or the supervision of any adult. Disassembling or modification on the DK32S transmitter is prohibited without the permission from SIYI Technology.

To maintain a safe and orderly public space and to ensure you a good using experience of SIYI's products, please read the prohibited and mandatory terms carefully:

🚫 Do not use DK32S transmitter to control an aircraft in places of intensive crowd (squares, parks), places of many obstructions (streets, parking lots), fields of strong magnetic or interference (power/radar stations, railways) or any other fields that may cause property loss or human injuries.

🚫 Do not hold or cover transmitter antenna or obstruct transmission by any mean in a flight.

🚫 Do not point directly to your aircraft with the sky station antennas' upper end in a flight.

🚫 Do not fly an aircraft when you are tired, drunk, sickness or in any occasion without a good feeling.

🚫 Do not fly an aircraft when it is rainy, windy or at night.

🚫 Do not power off the transmitter in a flight while the aircraft engine and motors are still working.

❗ Keep the aircraft within sight range in a flight.

❗ Make sure the DK32S transmitter's screen menu is back to system menu before taking off a flight, in case of any accident caused by mistouching to system settings.

❗ Do not forget to check both battery levels of the transmitter and the sky station before flying an aircraft.

❗ Before finishing flight, power off the aircraft first, then the transmitter.

⚠️ Before doing any setting or adjustment to the transmitter, make sure the aircraft engine is powered off and motor wires are off connection, in case of an accidental power-on.

⚠️ Before fly an aircraft for the first time, make sure that the fail-safe function in the DK32S transmitter is activated.

⚠️ Before fly an aircraft for the first time, power on the transmitter first and hold the throttle joystick at its bottom position, then power on the aircraft.

1.3 Precautions on Charging the DK32S Transmitter

The DK32S transmitter is equipped with a built-in Li-Po 1S rechargeable battery, compatible with standard USB chargers (5V/2A output) in market.

Considering there are many different types of chargers, please read the prohibited and mandatory carefully before charging the DK32S transmitter.

🚫 Do not use any USB chargers over 5V output to charge the DK32S transmitter.

🚫 Make sure the DK32S transmitter is powered off before charging. And the charging current should not exceed 2A.

🚫 Stop charging if you find the charger is damaged, broken or overheated.

🚫 Stop charging if you sense a peculiar smell, smoke or leak, and sent the transmitter back to SIYI Technology for detection and testing.

🚫 Do not charge the DK32S transmitter when the environment temperature or the battery temperature is over 60℃.

⚠DANGER

Keep the DK32S transmitter away from any places that a baby or a kid may reach while you are charging it, and it could be better if there are supervision of any adult in case of accidents.

1.4 Precautions on Using SD Card

🚫 Do not disassemble, bend, press, abandon or damage SD card by any means.

🚫 Stop using the SD card if you find it soaked by water, oil or any other chemical liquid.

⚠CAUTION

A SD card is also an electronic product, keep it away from static electricity.

Keep the Micro-SD card slot clean in case of blocking by sand or dirt.

Keep the SD card in slot while you are downloading or uploading data; taking out it mistakenly, hitting it or shattering it may cause damage or data loss.

Keep the SD card away from places that a baby or a kid may reach in case that it was swallowed mistakenly by the baby/kid.

1.5 Precautions on Storage/Carrying/Recycling

⚠CAUTION

Keep the DK32S transmitter away from any places that a baby or a kid may reach when you are placing or storing it.

⚠️DANGER

Please avoid placing or storing the DK32S transmitter in places below:

Places are extremely hot (above 60℃) or cold (under -20℃);

Places with direct sunshine, places are too dusty or wet;

Places with an unstable structure or may cause vibration;

Places near steam or other heat sources.

2 PRODUCT INTRODUCTION

2.1 Product Features

Advanced SHTT Spread-spectrum Technology

The DK32S transmitting and receiving system applies SIYI Technology's latest bidirectional 2.4GHz spread-spectrum technology named as SHTT (SIYI Hopping Telemetry Technology), the maximum effective transmission distance with stable flight control can be up to 20km (unobstructed, free of interference). The transmitter and the sky station are linked by a unique matching code, enhancing their anti-interference performance beyond and among transmitters, allowing multiple transmitters working in stability synchronously.

Extraordinary Handling & Accurate Manipulating Experience

The DK32S transmitter fits any users' palm perfectly by applying a fashionably streamlined and compact industrial design, a delicate ergonomics design and even a thoughtful matte silicone pad as additional protection. All these ideas and results enable you to free your mind before taking off flight.

16-Channel Multi-functional Fast-response Mode

The DK32S transmitter's 16 channels support all kinds of models and aircrafts including fixed-wings, helicopters, gliders, quadcopters and multi-rotors, and other models.

20KM Super Long Distance Data Transmission, Real-Time Telemetry

In an unobstructed, free of interference environment, the DK32S transmitter's transmission distance can reach up to 20 kilometers, which perfectly meets most agricultural drone pilots' operating requirement on BVR (Beyond Visual Range) flight.

In the built-in screen of the DK32S transmitter, it displays real-time telemetry of the sky station voltage, aircraft power, transmission signal strength, information of the GPS module and other multi-sensors.

Voice Broadcast with Vibration Alert

The voice broadcast function with vibration alert help users be more concentrate on flight.

High Brightness Colorful LCD Touch Screen, Brand New GUI System

The DK32S transmitter's high brightness colorful screen is clearly visible in sunlight. There are no complicated traditional keys and buttons, but a built-in LCD touchscreen on the transmitter, assisted by a turntable menu in the brand new GUI system. All these revolutionary new features in both software and hardware provide a more user-friendly experience on transmitting settings.

Creative 5-dimensional Sub-trim Buttons

Sub-trim button designs in traditional transmitters have been overturned in the DK32S transmitter, now you are able to do quick adjustment between sub-trim

buttons and joysticks in a flight. The sub-trim buttons are made of elegant aluminum alloy molding by CNC, along with the unity industrial design, they would bring you an extraordinary manipulating experience.

Fulfils the Requirement of Complicated Models or Robots

● In default, the DK32S transmitter can save 64 sets of model data, the amount can be extended to limitless if necessary.

● Powerful programmable mixing control supports various customized linear mixing and curve mixing.

● Adjustable rate, editable throttle curve and pitch curve make any complicate control easy to be complied.

● The data copy function provides convenience to users for sharing transmitter settings with friends.

● The trainer mode support two transmitters working synchronously, one for trainer, the other for trainee. In trainer mode there are various protection. For instance, the trainer transmitter can take control of flight from the trainee transmitter through a pre-defined switch.

● The channel mapping function supports customize channel definition; The fail-safe function provides more security to flight safety.

Built-in High Capacity Li-Po Battery

The DK32S transmitter is equipped with a high capacity Li-Po 1S rechargeable battery, reliable and easy to be maintained. Through the standard Micro-USB port

you can charge the DK32S transmitter easily, and the transmitter works continuously for more than 12 hours after a charge. You'll never have to worry about long-time flight in outdoor.

SD Card Data Saving and Extending

The DK32S transmitter supports saving flight data in a SD card and copying data to another transmitter after that.

Adjust Transmitter Settings and Upgrade Firmware on PC

The DK32S transmitter supports adjusting system settings and upgrading firmware through the PC software "SIYI Assistant". It's an obviously promotion on user experience, and SIYI Technology promises to offer continuous service on updating firmware and other cool features.

2.2 Parts

2.2.1 At a Glance

2019 SIYI Tech All Right Reserved

S6

S5

SD Card Slot

Power Button

Headphone Jack Port
(flight simulator)

Micro-USB Port
(charging, uploading/
downloading data)

4-Pin Groove Port
(trainer mode/GPS/
SDK/Bluetooth)

USB Port (Datalink)

4-Pin Groove Port
(trainer mode/GPS/
SDK/Bluetooth)
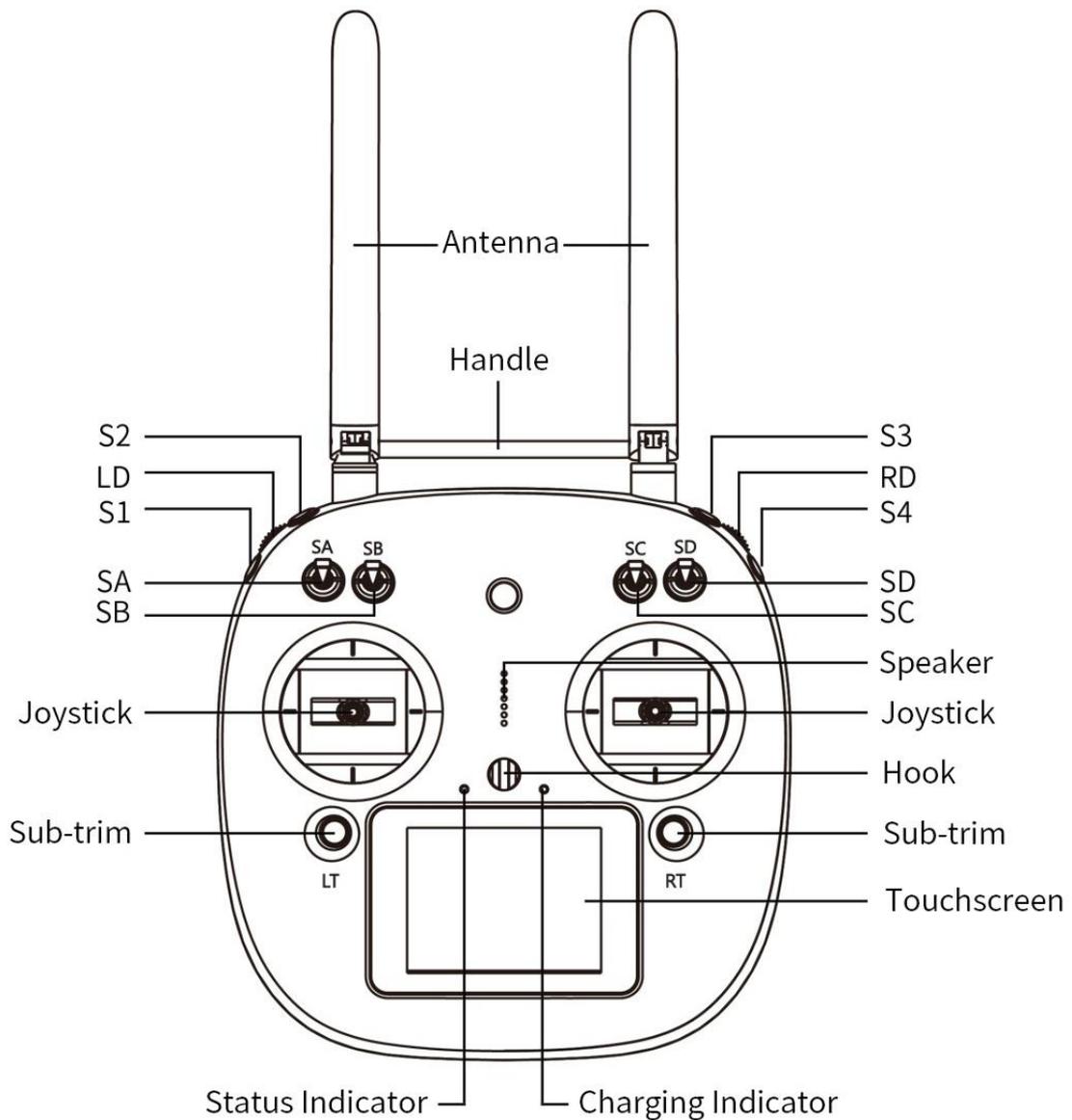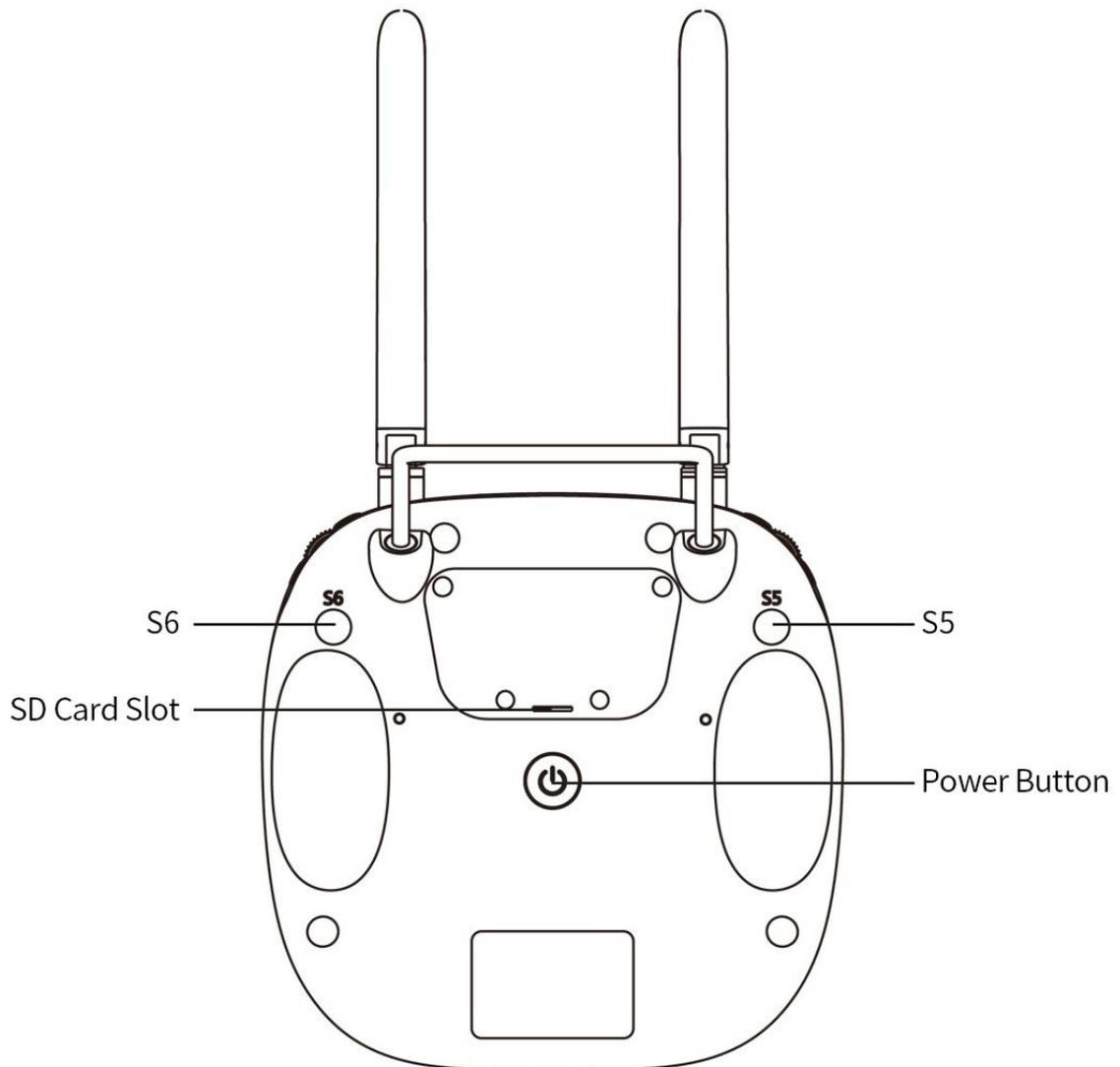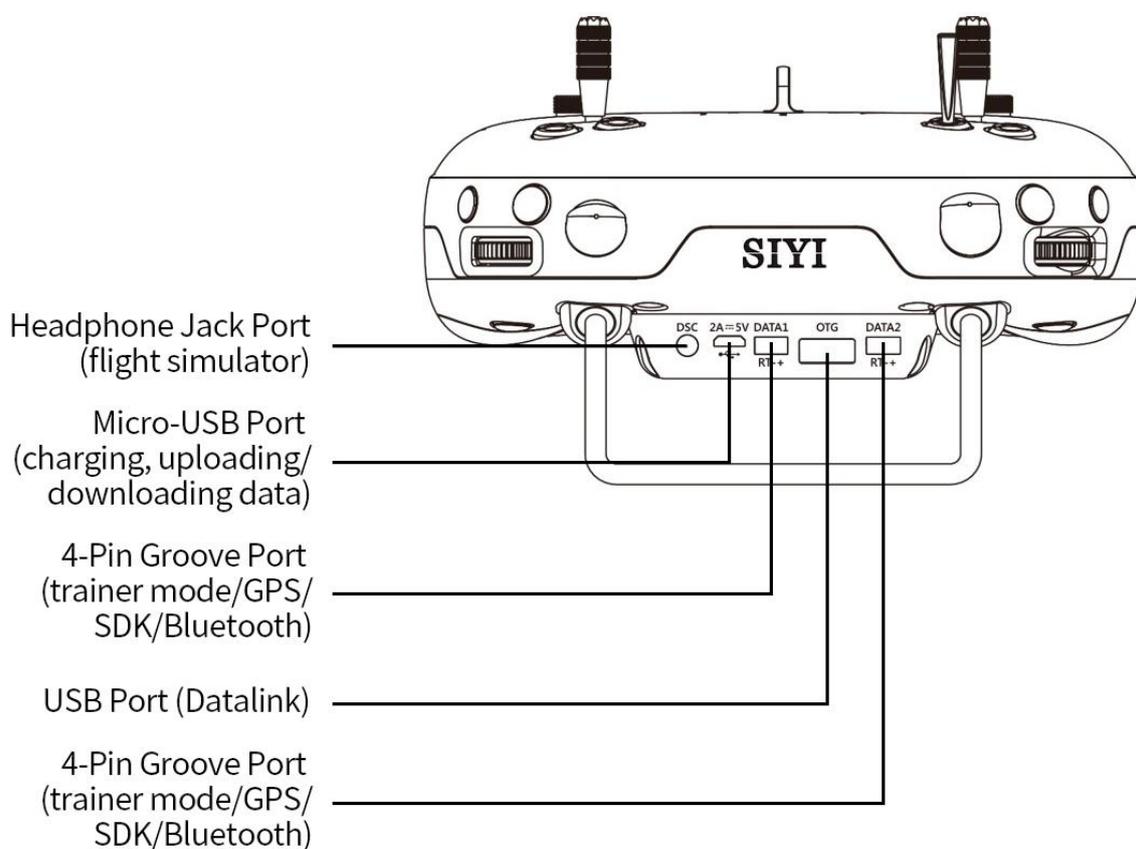
2.2.2 Button/Switch Types

Name	Type
SA	3-stage Switch
SB	3-stage Switch
SC	3-stage Switch
SD	3-stage Switch
LD	Self-centering Dial
RD	Thumb-slide Dial
S1	Self-resetting Button
S2	Self-locking Button
S3	Self-locking Button
S4	Self-resetting Button
S5	Self-resetting Button
S6	Self-resetting Button

⬤ **Mark:** Self-locking button stays in the position you press them to; Self-resetting button rebound to original position after a press.

2.2.3 Sub-trim Button
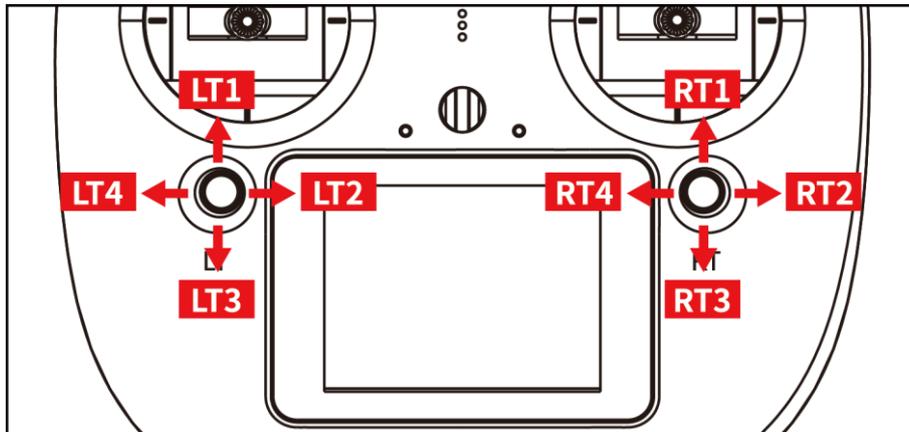
● There are 2 sub-trim buttons on DK32S transmitter, which support continuous sub-trim on all 4 channels.

● Each sub-trim button has 2 dimensions (up-down, left-right) for direct trim settings to mapped channel.

● Every push on sub-trim button leads to a movement from former position at default stepping value. Keep pushing on sub-trim button will speed up the movement. There will be different alerting sound when sub-trim button is in neutral position.

● Sub-trim position shows as dynamic changes in system menu.
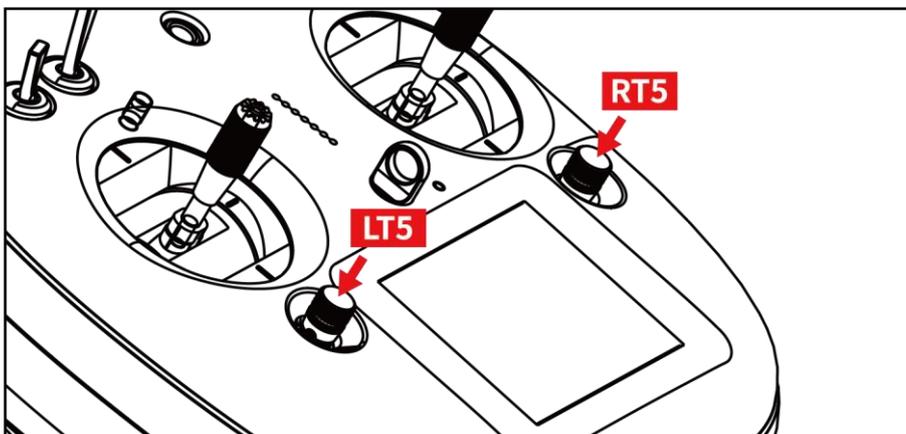
● Sub-trim buttons can also be used to unlock transmitter system menu when transmitter lock is activated. Press and hold left/right sub-trim button to unlock transmitter.

Mark: Please refer to "Sub-trim Settings" menu to adjusting settings of Sub-trim button.

2.3 Technical Specifications

Channels	26 Physical Channels, 16 Sky Station Output Channels
Applicable Model	Fixed Wings / Helicopters / Gliders / Quadcopters / Multi-rotors / Vehicles / Boat / Robots
Data Memory	64 sets of transmitter setting data; extensible
Language Display	Chinese / English
Joystick Resolution	4096 grades
Frequency Band	2.4000GHz - 2.4830GHz
Transmitting Power	20 dBm
Receiving Sensibility	-101 dBm
Transmission Distance	Maximum 20 kilometers (unobstructed, free of interference)
PC Software	SIYI Assistant

Display Screen	2.8 inch high brightness colorful LCD screen, display resolution: 240x320
Screen Type	Capacitive touch screen
Battery Type	Built-in 3.7V 3000mAh Li-Po 1S battery
Working Current	270 mA
Duration	12 hours
Charging Port	Micro-USB port
Product Dimension	194.5 x 172.5 x 114 mm
Product Weight	610 g

2.4 LED Indicator Definition

On DK32S transmitter, above touch screen there are two LED indicators. The left one is status indicator, the right one is charging indicator.

● Status Indicator: displays transmitter's RF transmitting status.

● Charging Indicator: displays transmitter's charging status.
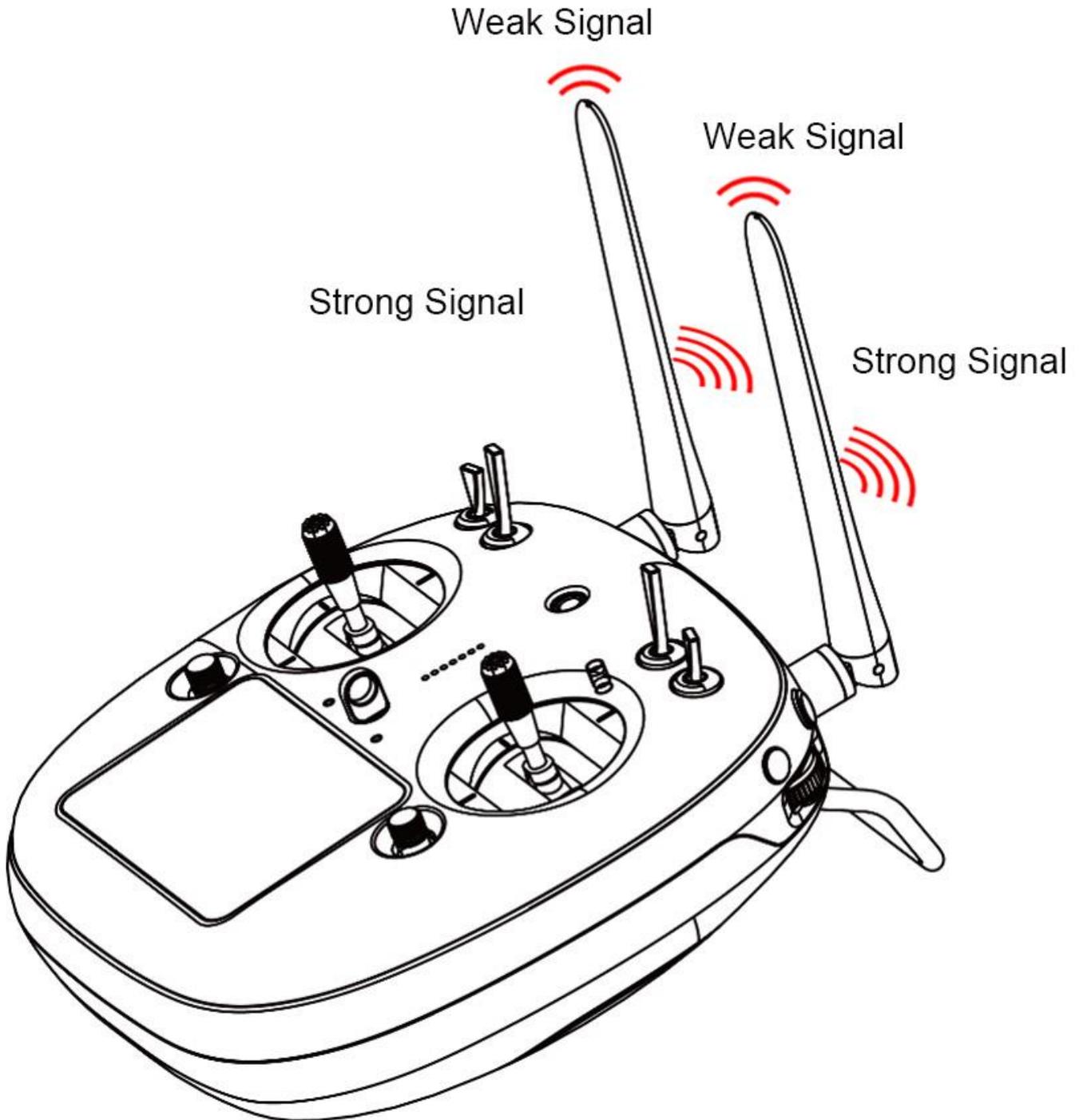
Status Indicator Definition

● Solid Red: RF transmitting is off.

○ Solid Green: RF transmitting is on.

Charging Indicator Definition

● Solid Red: Transmitter in charging.

○ Solid Green: Charging finished.

3 GET READY TO USE DK32S

3.1 How to Place Transmitter Antenna Right

Weak Signal

Weak Signal

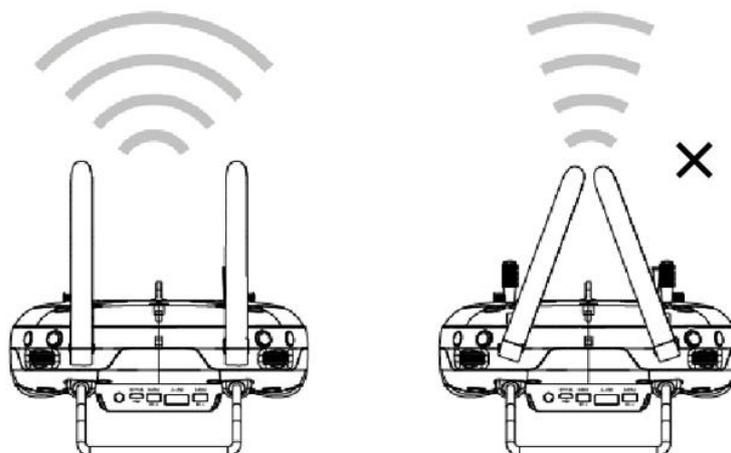Strong Signal

Strong Signal

A

⭕ **Mark**: Transmitter antennas reach the best signal strength when they are placed horizontally (A). Thus, please avoid pointing antennas' upper end directly to your aircraft (B) and do not fold the antennas (C).
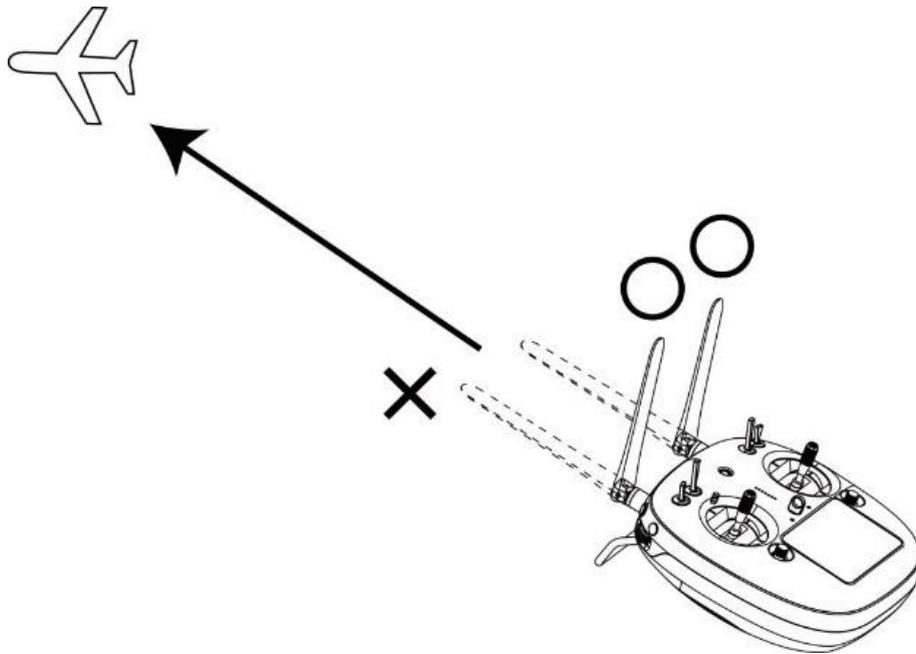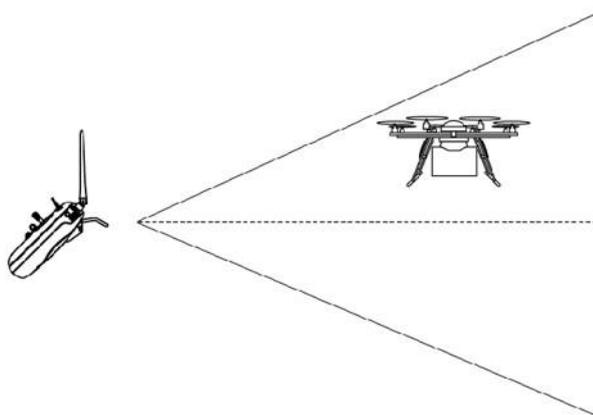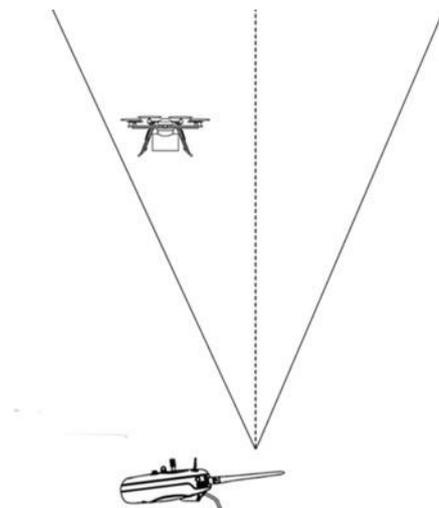

B

C

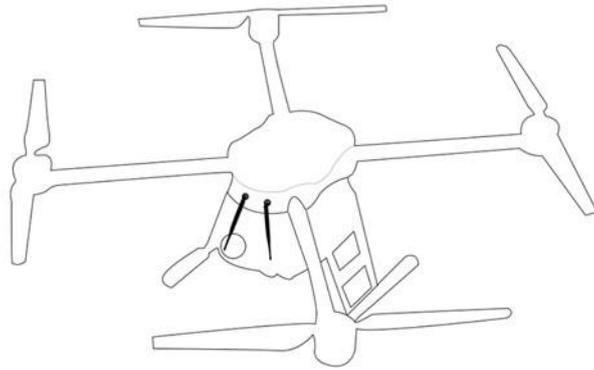## 3.1.1 Good Antenna Angle of Transmitter

Aircraft in front of the transmitter

Aircraft above the transmitter

3.1.2 Good Antenna Angle of Sky Station

Flying at a high altitude

(Altitude higher than 10 meters, antennas should be placed downwards)
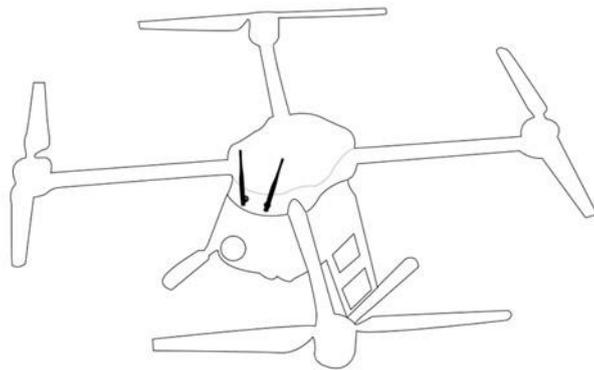
Flying at a low altitude

(Altitude lower than 10 meters, antennas should be placed upwards)

⚠️WARNING

Do not fold or cover antennas and avoid any obstruction between the transmitter and the

aircraft in flight, otherwise there will be an obvious decrease to transmission signal quality.

3.2 How to Charge the DK32S Transmitter

Before charging the DK32S transmitter, please read the part "1 READ TIPS - 1.3

Precautions on Charging the DK32S Transmitter" carefully.

Transmitter charging time is limited by the charger's output current. More current

the charger outputs, less charging time it uses.

Steps to Charge the DK32S Transmitter

1. Choose a proper charger for the DK32S transmitter;
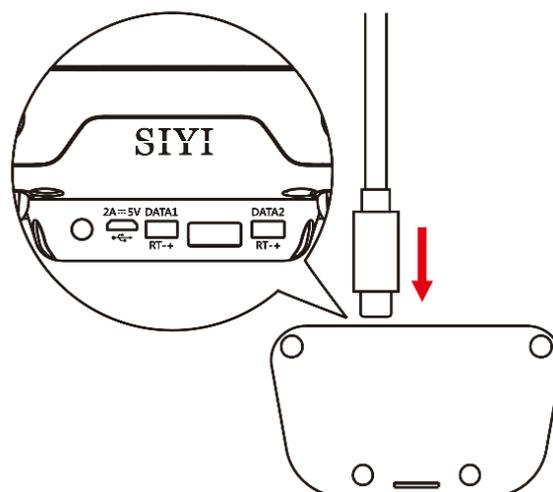
2. Make sure that the DK32S transmitter is powered off;

2019 SIYI Tech All Right Reserved

3. Find the Micro-USB cable packed with the DK32S transmitter, connect its Micro-USB end to the Micro-USB port on the back of the DK32S transmitter, and its USB end to the charger;

4. Plug the charger into adapted AC power outlet;

5. In charging, the charging indicator is solid red; when charging is finished, it turns to solid green.

● **Mark**: The DK32S transmitter is equipped with a built-in 3000mAh Li-Po 1S battery. Charging time is generally between 2.5 to 3 hours using a standard charger with 5V/2A output. Charging time may change according to chargers with different standard, please also pay an attention to the transmitter charging indicator when you are charging the DK32S transmitter.

3.3 How to Link a DK32S Transmitter to a DK32S Sky Station

Each unit of the DK32S transmitter is assigned with a unique ID code. Before linking a DK32S sky station to a DK32S transmitter, the sky station must identify transmitter ID (*Linking*) first. After the first linking between the transmitter and the sky station, the ID code will be memorized in the sky station, so that you don't have to repeat linking next time (except when the transmitter was to be linked with a different sky station).

Steps

1. Keep the distance between the DK32S transmitter and the DK32S sky station within 1 meter, then power on the transmitter;

2. In the DK32S transmitter screen menu, tap on "System Settings – General Settings";

3. On the DK32S sky station, stick a pin or needle into the sky station's linking hole, press and hold the linking button for 3 seconds till the sky station's status indicator blinks a fast red; now the sky station is ready for linking;
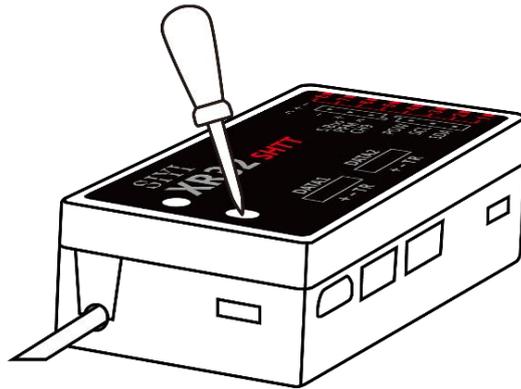
4. In the "General Settings" menu, tap on "Link - Start", wait for a second, when the transmitter's status indicator and the sky station indicator both blink green, the linking is finished.

2019 SIYI Tech All Right Reserved

⚠WARNING

Before linking the transmitter to the sky station, make sure the aircraft engine is powered off and motor wires are off connection.

Reboot the sky station when linking steps are finished, and try to manipulate on the transmitter to confirm if it is a successful linking.

3.4 Throttle Joystick Type

The throttle joystick of the DK32S transmitter has two types, thumb-slide and self-centering. Users can decide to use which type according to their preference.

Thumb-slide Joystick: While users are powering on the transmitter, it alerts with voice broadcast if the throttle joystick is not in its bottom position, and disables RF transmitting automatically (the transmitter status indicator is off). The transmitter will not enable RF transmitting until throttle joystick was back to the bottom position.

Self-centering Joystick: No alert, the transmitter works normally.

Steps

In the "System Settings" menu, tap on "General Settings", then tap on "Throttle –
Thumb-slide / Self-centering" to choose your favorite type.

2019 SIYI Tech All Right Reserved
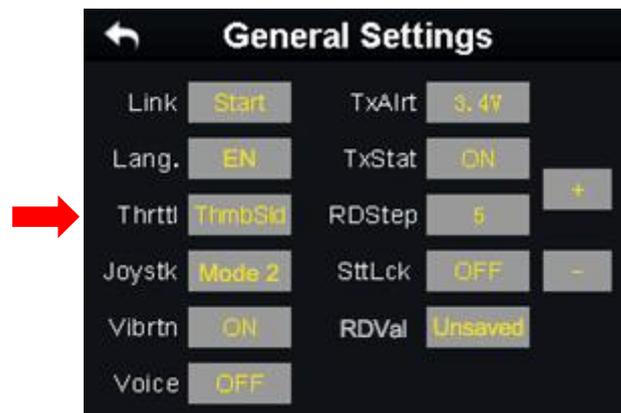
4 MAIN MENU
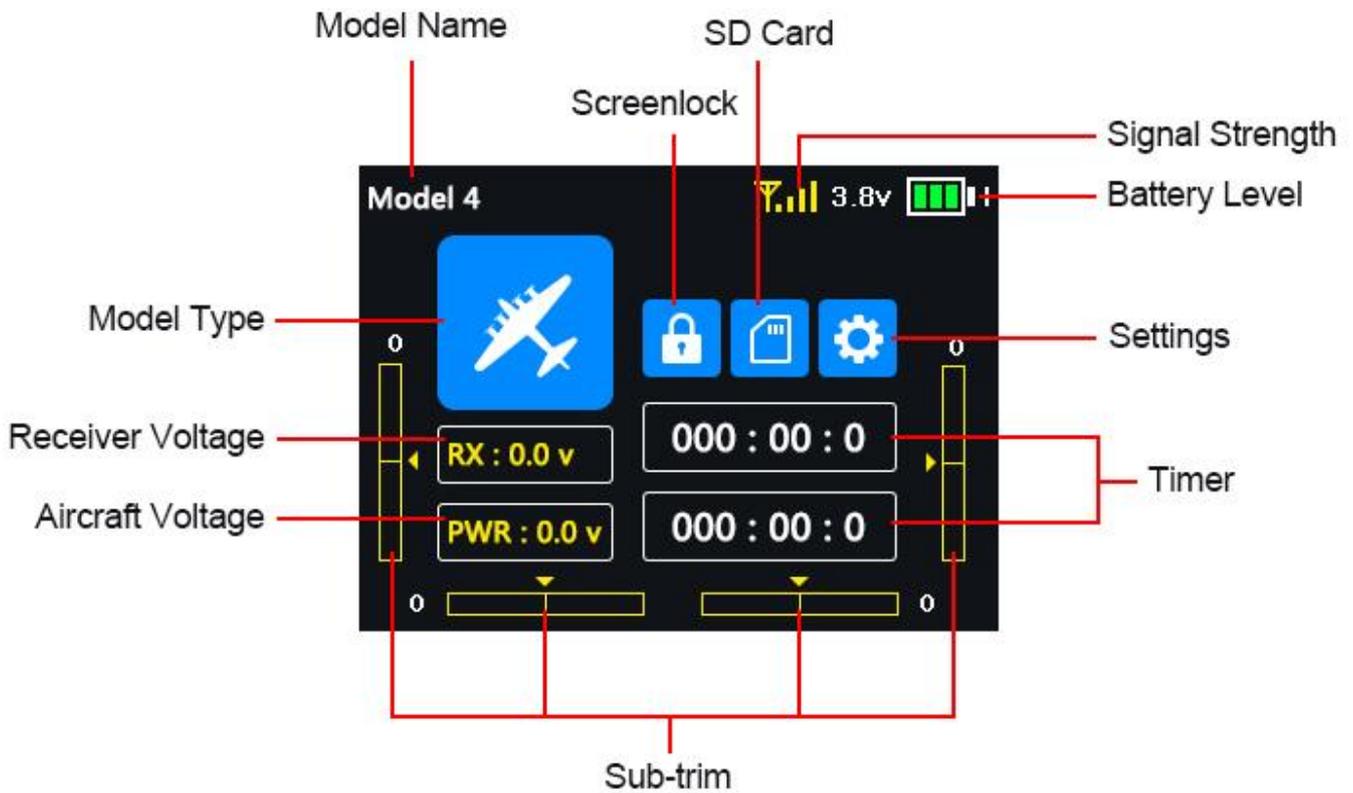
Model Name: Displays the name of the selected model.

Model Type: Displays the selected model type.

Battery Level: Real-time display of the DK32S transmitter's battery level.

Settings: Approach to the "Transmitter Settings" menu.

Sky Station Voltage: Real-time display of the sky station's voltage telemetry.

Aircraft Voltage: Real-time display of the aircraft's voltage telemetry.

Sub-trim: Displays the digital sub-trim value of all 4 channels.

Screen Lock: The main menu is locked, the touchscreen is disabled (the icon disappears when main menu is unlocked).

SD Card: A SD card is inserted in the DK32S transmitter (the icon disappears when the SD card is taken out).

Timer: Displays maximum two timers as to assist users with the flight.

Signal Strength: Real-time displays of the RF transmitting signal quality.

5 MODEL SETTINGS

In the DK32S transmitter's "Model Settings" menu there are a series of useful functions, offering basic and advanced settings for different kinds of model devices.
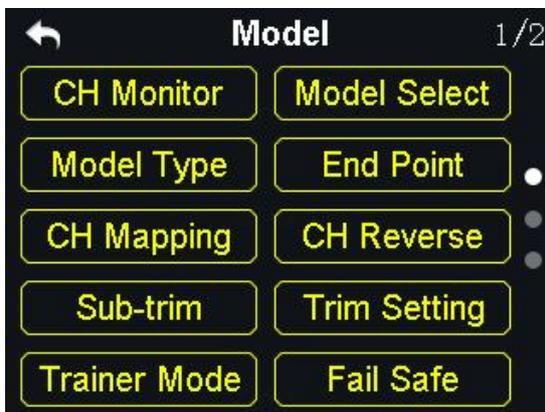
CH Monitor (Channel Monitor): Real-time display of all channels' output value.

Model Select: Select / Save model data.

Model Type: Choose the right model type for your device.

End Point: Set the output values of a channel and the maximum / minimum limit.

CH Mapping (Channel Mapping): Set / Change the defined function of a channel.

2019 SIYI Tech All Right Reserved

CH Reverse (Channel Reverse): Reverse a channel's output direction.

Sub-trim: Do trim adjustment to your aircraft's flight attitude.

Trim Setting: Adjust the stepping value of the sub-trim function.

Trainer Mode: One on one training through two transmitters.

Fail Safe: Adjust fail safe settings.

Timer: Turn on / off the timer.

LowVol Alert (Low Voltage Alert): Low power alert of the aircraft battery.

Special Function for Agricultural Drones

Farm. Voice (Farming Voice): Real-time voice broadcast specialized for agricultural drones.

JstkDeadZone (Joystick Dead Zone): Filter mistaken manipulation caused by touching joysticks unintentionally.

MultiDroCtrl (Multi-Drone Control): Control the flight of up to three drones at the same time through one transmitter.

2019 SIYI Tech All Right Reserved
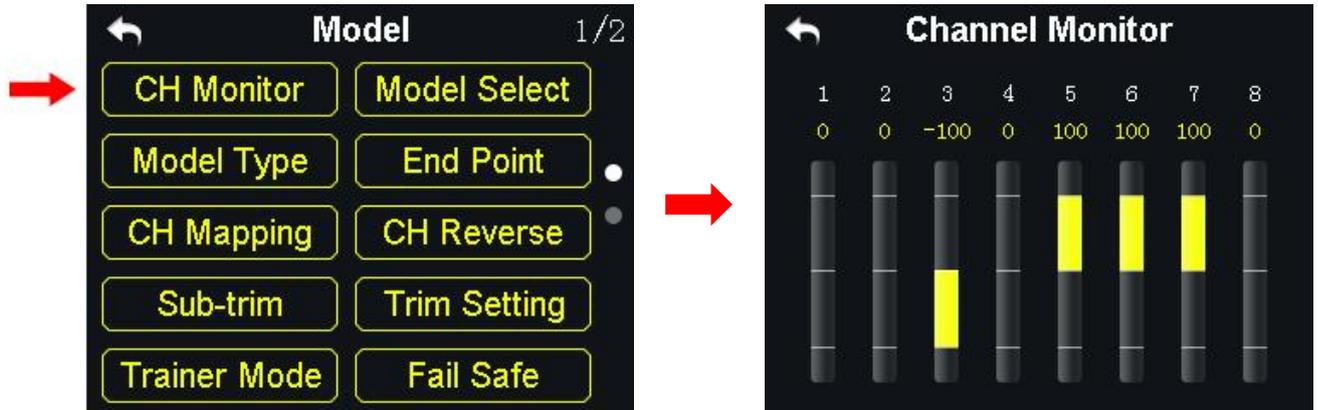
5.1 Channel Monitor

In the channel monitor, users can check the real-time changing of output values in

all 16 channels.

5.2 Model Select
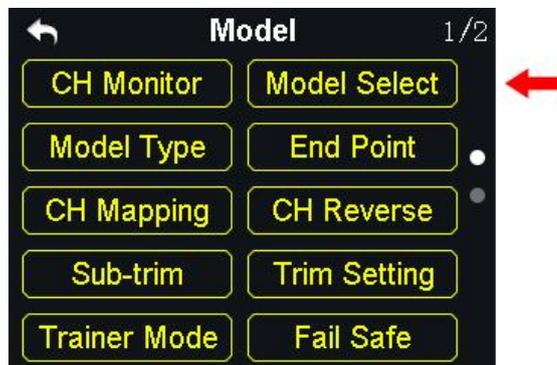
The Model Select function supports users to select, rename, copy and reset model

data.

5.2.1 Select a Model

In the DK32S transmitter's default model list there are up to 64 sets of model data

for your selection.

2019 SIYI Tech All Right Reserved

Steps to Select a Model

1. In the "Model Settings" menu, tap on "Model Select", in the screen it shows the

   model select menu;
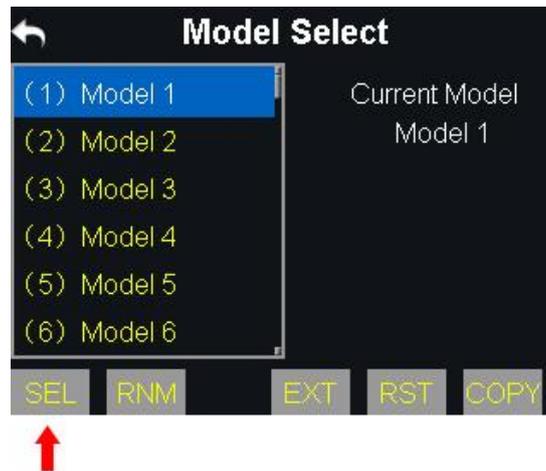
2. Tap on a model name, then "Select", in the screen it pops up "Confirm your

   selection", tap on "Yes" to finish selecting.

5.2.2 Rename a Model

Users can rename a model data in the default model list as a mark of the difference.

Once selected, the model name displays in transmitter main menu as well.

Steps

1. Tap on a model name, then "Rename", in the screen it pops up "Confirm to

   rename the model"; then "Yes", in the screen it shows a virtual keyboard menu;
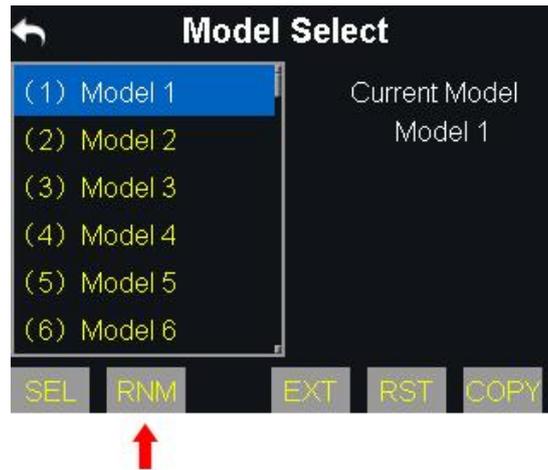
2. Input a new name for the model by using the virtual keyboard, then tap on "yes" to finish.
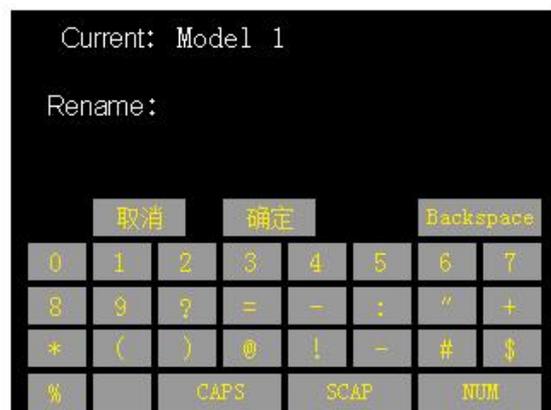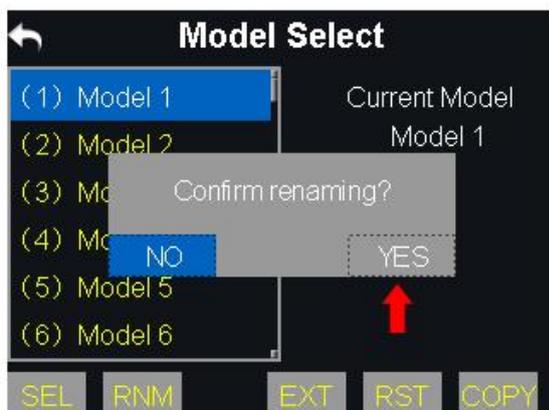
About Virtual Keyboard

CAPS: Switch keyboard to input capital letters.

SCAP: Switch keyboard to input lower case letters.

NUM: Switch keyboard to input numbers and punctuations.

2019 SIYI Tech All Right Reserved

Backspace: Delete what is already input.

Cancel: Cancel inputting, the transmitter will not save the input.

5.2.3 Copy a Model

Users can copy a model data from the transmitter's default model list for backup.

By doing so, you will not have to input all the data again for a new model.

Steps

1. Tap on a model name, then "Copy", in the screen it shows the "Copy a Model" menu;

2. Select the target model on the turntable, then tap on "Yes" to finish.
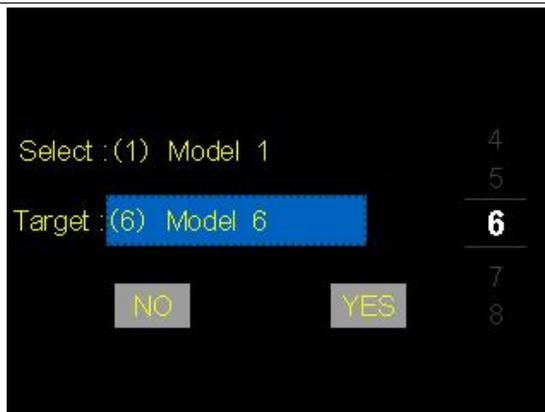
5.2.4 Reset all Models

Users can reset all the data in the model list to the default settings.

Steps

1. In the Model Select menu, tap on "Reset", in the screen it pops up "Confirm to reset";
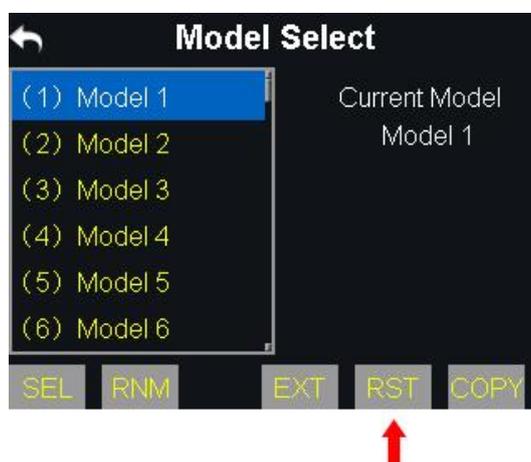
2. Tap on "Yes" to finish.

5.3 Model Type

In the DK32S transmitter there are several default model types, Fixed-wings / Gliders, Multi-rotors (racing drones, agricultural drones) and the others (helicopters), each model type with its default settings done in advance. Users can choose a model type according to their requirement and customize the settings.

⚠ **CAUTION**

When you switch a model type, all the data in the current model will be reset automatically. It is better to save the model data before switching to another model type.

5.3.1 How to Select a Model Type

Steps

1. In the "transmitter settings" menu, tap on "Model Settings - Model Type";

2. In the screen, it displays the current model type; tap on it, in the screen it is switched to the "Model Type" list;
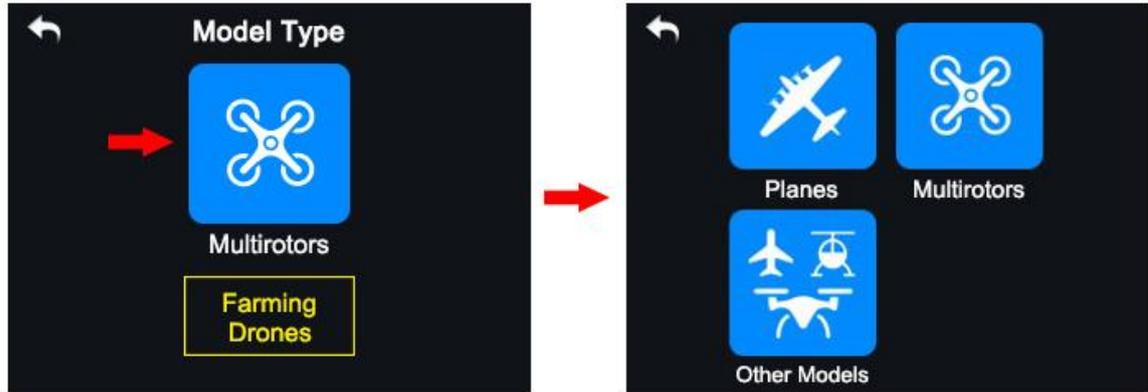
3. Tap on a model type according to your requirement, then "Apply" to finish.

5.3.2 One Move to Do Agricultural Drone Settings
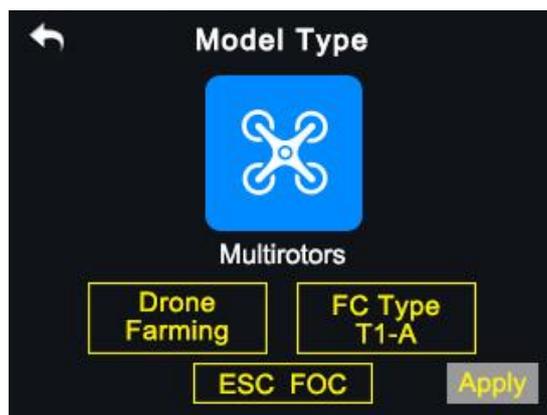
Through the DK32S transmitter users can finish agricultural drone settings easily.

Users just pick a FC(Flight Controller) type and an ESC(Electronic Speed Controller)

type according to what they have bought, then the switch/button/joystick definition

settings, voice broadcast and datalink function settings will be finished automatically.

⚠ CAUTION

Make sure the transmitter and the sky station are linked before doing agricultural drone settings.

When the settings are finished, do not forget to calibrate the transmitter joysticks before unlocking motors and taking a flight.

Steps to Do Agricultural Drone Settings

1. In the model settings menu, tap on "Model Type", in the screen it shows the model type menu;

2. Choose "Multi-rotors" as the model type, "Farming Drone" as the drone type, and the FC and the ESC type according to what you have bought; then tap on "Apply" to finish;

3. Calibrate the transmitter joysticks in the ground station of the flight controller and finish the Fail-safe settings, then you will be ready for unlocking motors and taking a flight. (Please watch the tutorial videos for more detail: http://siyi.biz/cn/DK32S/video/)

5.4 End Point

The end point function helps users adjust the channel values and the maximum / minimum limit.

Steps

1. In the model settings menu, tap on "End Point", in the screen it shows the end point menu ("-E.P.A+" stands for the channel value, "-limit / limit+" stands for the minimum / maximum limit value);
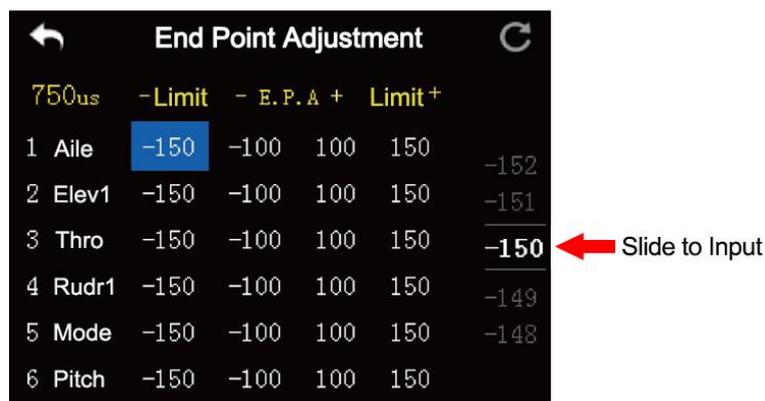
2. Tap on a channel value according to your requirement, then use the turntable dial to select the target channel value or the limit value (The range of the limit is from -150 to 150);

3. The limit value is for protecting servo and other external devices. With the limit, channel values will not exceed a certain value even under programmable mixing function.

⭕ **Mark**: In the end point menu, tap on "Reset" at upper right corner screen to reset all channel values.

5.5 Channel Mapping

All 16 channels of the DK32S transmitter can be mapped randomly to joysticks, switches, buttons and dials on transmitter.

Steps

1. In the model settings menu, tap on "Channel Mapping", in the screen it shows the channel mapping menu (in the DK32S transmitter, Channel 1-4 are default function such as aileron, elevator, throttle and rudder);

2019 SIYI Tech All Right Reserved

2. Take an example of channel 1 (aileron), tap on "J1", in the screen it shows the

transmitter channel list;

3. Select a joystick, a switch, a button or a dial from the list according to your

requirement;

4. Tap on "Return" to finish.
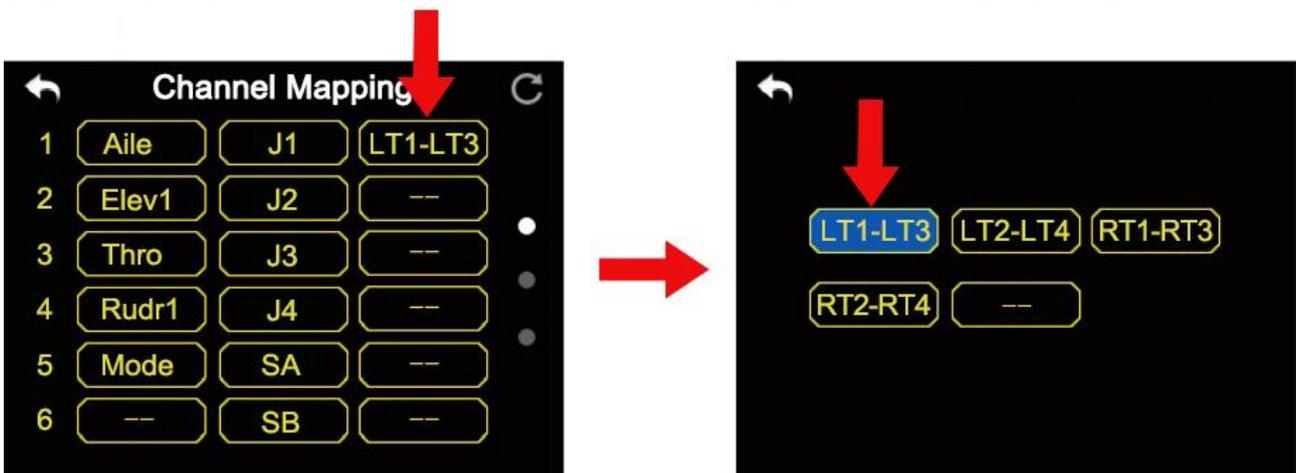
⭕ **Mark**:

- In the channel mapping menu, if you are to redefine a channel, tap on the channel name, in the screen it shows the definition list of all the transmitter channels; select a definition from the list to finish.
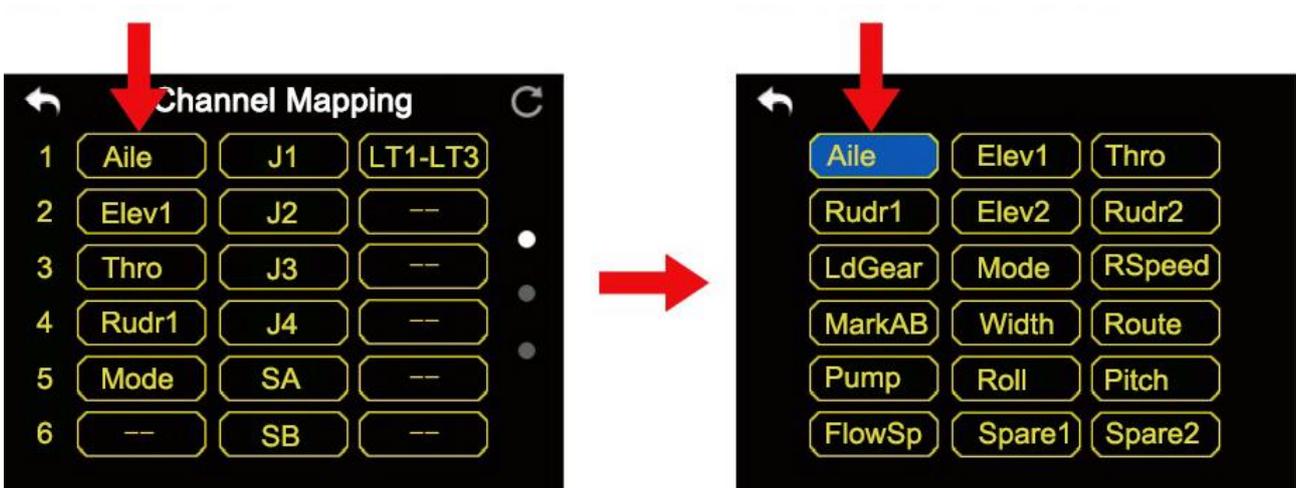
- In channel mapping menu, tap on "Reset" to rest all channel data.

DK32S Transmitter's Channel Definition Introduction
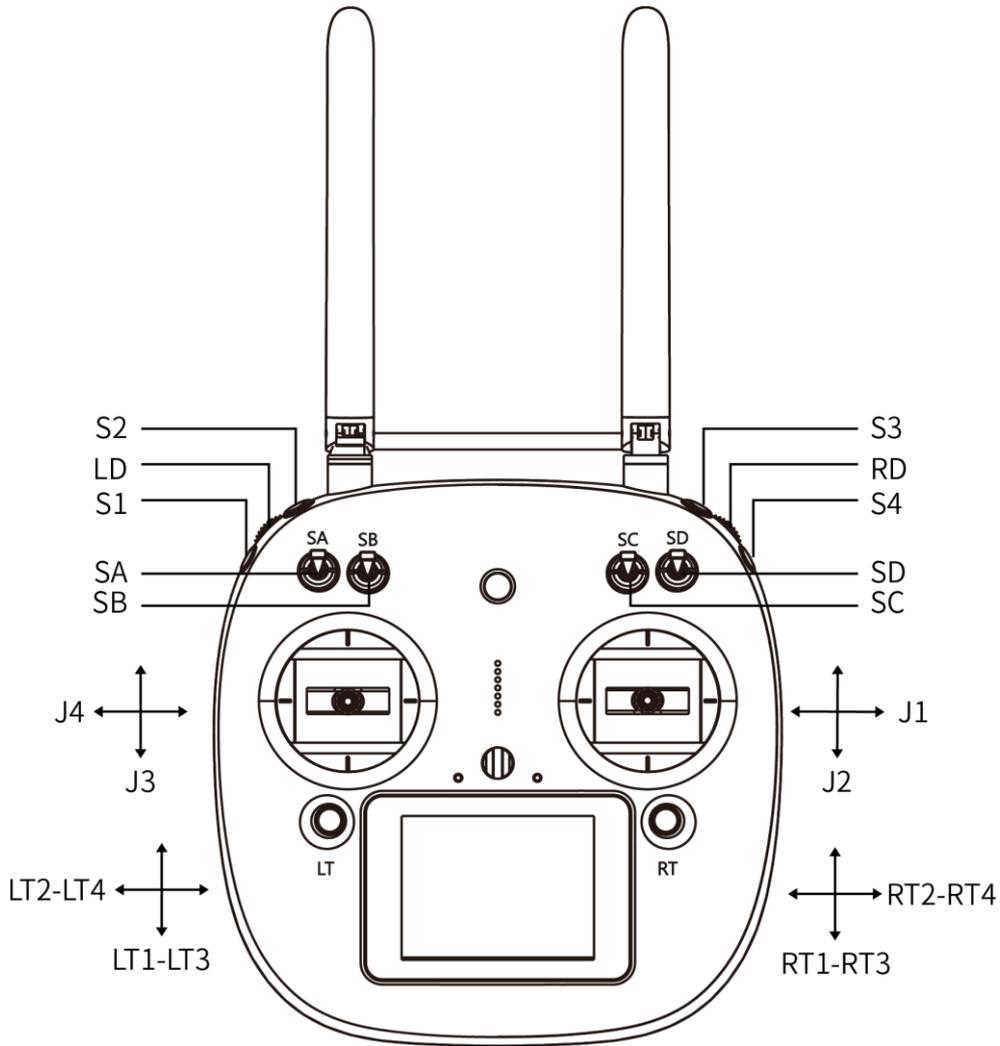
Sub-Trim Mapping
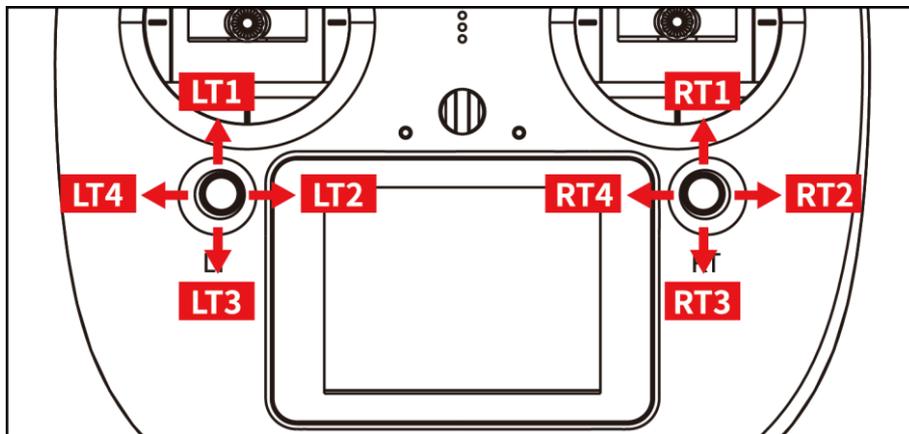
When the channel mapping settings is done, users can set the digital sub-trim mapping according to their preference.

The default channel definition of the digital sub-trim channel are Up-Down (LT1-LT3, RT1-RT3) and Left-Right (LT2-LT4, RT2-RT4).

Steps

When the channel mapping is done, tap on the blank option next to your requiring channel, select your target sub-trim direction to finish settings.

Mark: Sub-trim mapping can be repeatedly used in different channels; sub-trim mapping data is reset together with channel mapping data, please make backup in advance.

5.6 Channel Reverse
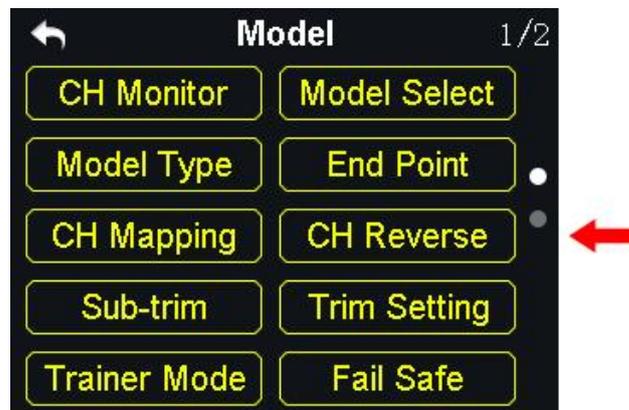
The channel reverse function helps users reverse a channel's direction.

Steps to Reverse a Channel

1. When the DK32S transmitter is linked to a new model device, please confirm if all the servos of the new device have been mapped to the right channels;

2. Try to manipulate the transmitter's joysticks, switches, buttons and dials to confirm if the direction of each channel is normal or reversed;

3. In the model setting menu, tap on "Channel Reverse", in the screen it shows the channel reverse menu;

4. In the channel reverse menu, select a channel according to your requirement, tap on "Normal" to turn it to "Reverse";

5. The channel has been reversed.
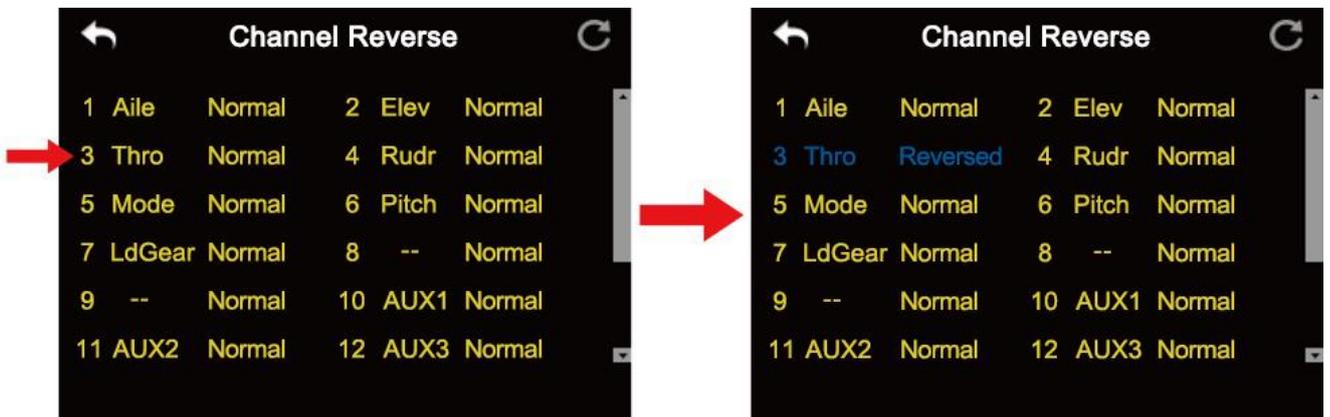
● **Mark**: In the channel reverse menu, tap on "Reset" to reset all channels.

5.7 Sub-Trim

The sub-trim function helps users set the middle position value of a channel's and do trim adjustment to the aircraft's flight attitude.

Before doing sub-trim settings, please make sure that the target sub-trim channel is in its middle position.

⚠CAUTION

It is not a good idea to use sub-trim function when you are flying an agricultural drone.

Steps to Do Sub-Trim Settings

1. In the model settings menu, tap on "Sub-trim", in the screen it shows the sub-trim menu;

2. Select a channel according to your requirement; use the virtual turntable to select a target middle channel value;

2019 SIYI Tech All Right Reserved

3. Repeat step 2 if you are to adjust any other channels.
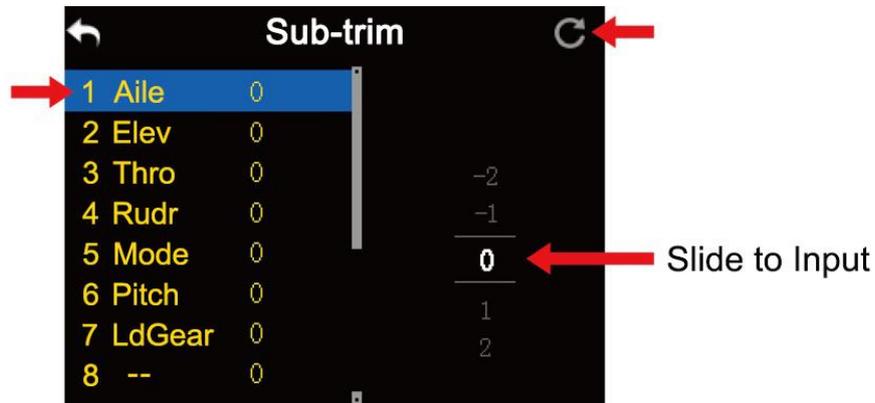
Mark: In the sub-trim menu, tap on "Reset" to reset all channels.

5.8 Trim Settings
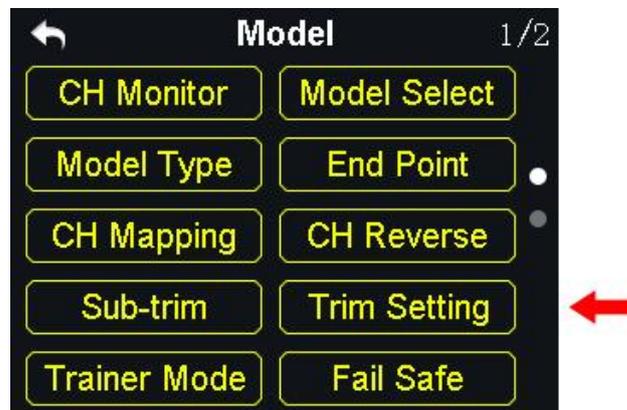
The trim setting function helps users adjust digital sub-trim's stepping value.

The equivalence relationship between trim setting value and trim stepping value are,

5 Trim Setting Value = 1 Trim Stepping Value

That is, when the trim setting value is changed in 5, the trim stepping value changes in 1.

2019 SIYI Tech All Right Reserved

The DK32S transmitter's trim setting value is default to be 5, the minimum limit of the trim setting value is 0, the maximum limit is 100; the minimum limit of the trim stepping value is 0, the maximum limit is 20.

Steps to Do Trim Settings

1. In the model settings menu, tap on "Trim Setting", in the screen it shows trim settings menu;

2. Through the trim settings function, users are able to adjust all 4 sub-trim channels; tap on a channel according to your requirement to change its trim stepping value;

3. Use the virtual turntable to select a target trim stepping value, the adjustable range is from 0 to 100;
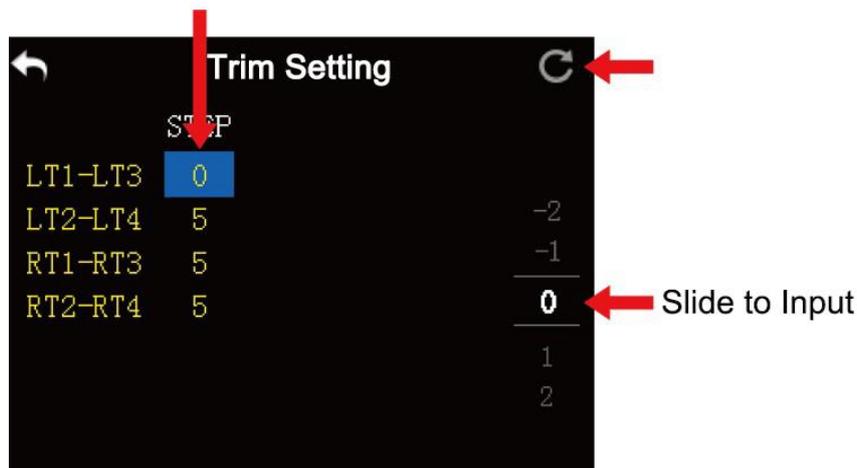
4. Tap on "Return" to finish.

🔴 **Mark**: In the trim settings menu, tap on "Reset" to reset all channels.

5.9 Trainer Mode

The DK32S transmitter's trainer mode helps experienced users train new talents. In the trainer mode, two transmitters are connected by a trainer cable. The users can decide which channel to use for training.

In the trainer mode, the DK32S transmitter supports turning on/off the function through a physical switch or button. And users can switch the identity between trainer and student.

Steps

1. Use the trainer cable to connect the DATA1 port of the trainer transmitter with the DATA1 port of the student transmitter;

2. In the model settings menu, tap on "Trainer Mode", in the screen it shows the trainer mode menu;

3. In the trainer mode menu it shows the list of all 16 channels; tap on "ON/OFF" to turn on/off the function;
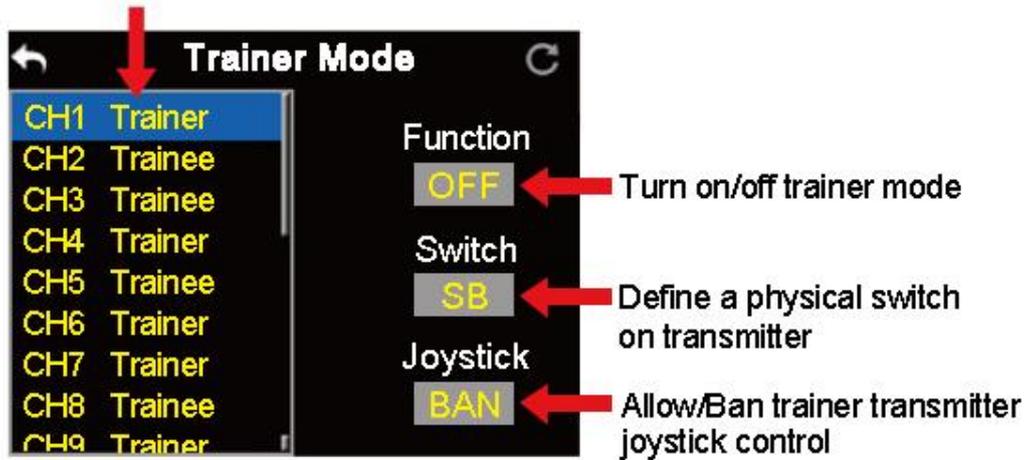
4. The transmitter with the trainer mode turned on is the master transmitter, the other one is the slave transmitter; in the master transmitter the channel is default to be "Trainer";

5. Each channel in the list has two status, trainer and student; if you change the status to "Student" in the master transmitter, the slave transmitter will get authority to manipulate the channel, otherwise it will has no authority;

6. In the trainer mode menu, you can define a physical switch or button to turn on / off the function; tap on "NULL", in the screen it pops up "Choose a switch / button"; follow the hint to manipulate a switch / button, in the screen it shows switch status menu; tap on an icon to define a switch / button according to your requirement;

7. When you have defined a switch / button, it will takeover the control of turning on / off trainer mode.

5.10 Fail Safe

2019 SIYI Tech All Right Reserved
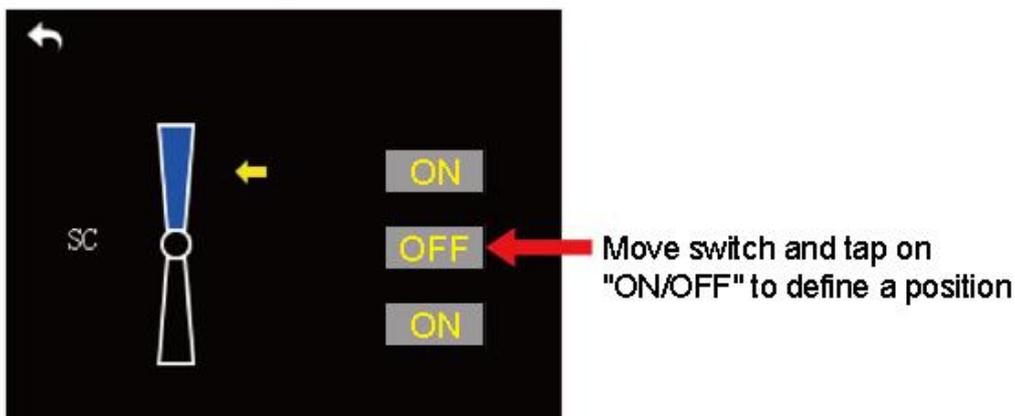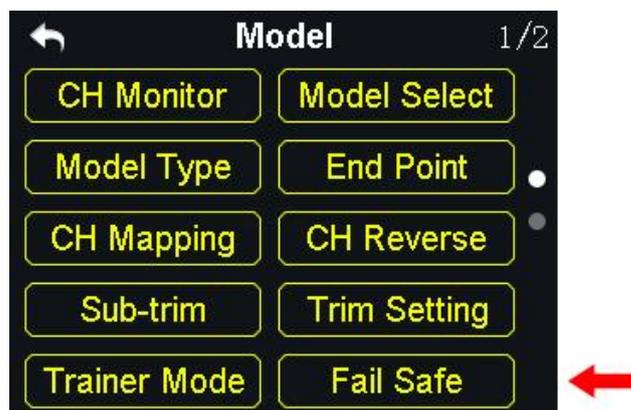
Before linking the DK32S transmitter to the sky station, do not forget to do fail-safe settings and turn on the function. Thus if the transmitter lost link with the sky station, the fail-safe function will run automatically and immediately to protect the aircraft from a crash.

Step to Do Fail Safe Settings

1. In the model settings menu, tap on "Fail Safe", in the screen it shows the fail-safe menu;

2. In the fail-safe menu, the function is default to be off and it displays "HOLD" in every channel; in this circumstance, if the transmitter lost link with the sky station, the channel values that the sky station outputs will be the ones received from the transmitter in the last moment;

3. Tap on "OFF" and switch it to "ON" to turn on the fail-safe function;

4. When the function is turned on, tap on a channel according to your requirement and switch "HOLD" to "0", then use the virtual turntable to input channel value;

5. You can also input channel value by manipulating a joystick, a switch, a button, or a dial which is mapped with the channel; input a target value, tap on "SET" to finish;

6. The virtual turntable helps users to adjust channel value more accurately when it is very close to the target value.

2019 SIYI Tech All Right Reserved

Turn on/off fail safe function   Move joystick, switch or dial to target position, tap on "SET" to input value
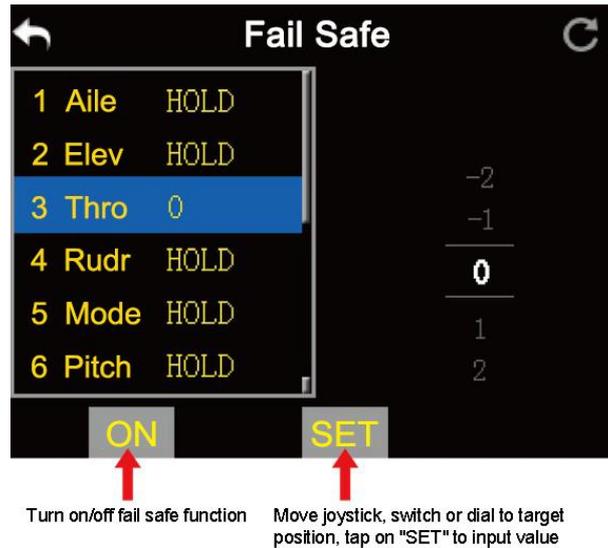
⚠️ WARNING

For flight safety, the fail-safe settings must be done and the function must be turned on.

5.11 Timer

In the DK32S transmitter main menu there are two timers.

Timing Mode

Up: Counts from 0, the timer alerts when it reaches the time.

Down: Counts from the start time, the timer alerts when it is back to 0.

2019 SIYI Tech All Right Reserved

Define a Timer Function Switch

Start: Define a switch / button for "Start".

Stop: Define a switch / button for "Stop".

Reset: Define a switch / button for "Reset".

5.12 Voltage Alert

When the user's aircraft power voltage is lower than the safe level, the DK32S transmitter will vibrate and send voice alert.

Steps

1. In the model settings menu, tap on "Voltage Alert", in the screen it shows the

voltage alert menu;

2. Tap on power voltage, then "+/-" to input the target voltage value according to your requirement;

3. Tap on "Return" to finish.

5.13 Farming Voice

The Farming Voice is a professional function is for farming drones. The function is supported by up to 6 switches with 16 positions. They are SA, SB, SC, SD, S2 and S3.

Steps

1. In the model settings menu, tap on "Farming Voice", in the screen menu it shows the farming voice menu;

2019 SIYI Tech All Right Reserved

2. In the farming voice menu, tap on "ON/OFF" to enable/disable the function;

3. Select a switch and a position; in the screen menu it shows the voice list; select a voice to define the switch;

4. Repeat step 3 if you are to define the other switches.

Voice List

Atti. (Attitude): Attitude Mode

Stab. (Stablize): Stable Mode

Hold (AttiHold): Attitude Hold Mode

GPS: GPS Mode

AB Ln (AB Line): A/B Line Flight Mode

Auto (AutoMode): Auto Flight Mode

Rcd A (Record A): Record A Point

Rcd B (Record B): Record B Point

ExeAB (Execu AB): Execute A/B Line (for Topxgun flight controller only)

Clear (Clear AB): Clear AB Line

SpON (SprayON): Turn on spraying.

SpOFF (SprayOFF): Turn off spraying.

RTH (RtnHome): Drone return to home

RTB (RtnBreak): Drone return to breakpoint

Loit. (Loiter): Loiter Mode

RaON (RadarON): Turn on radar

RaOFF (RadarOFF): Turn off radar

AuSpr (AutoSpr): Auto Spraying

MnSpr (ManulSpr): Manual Spraying

LtON (LightON): Navigation light on

LtOFF (LightOFF): Navigation light off

5.14 Joystick Dead Zone

By setting a certain dead zone range, the DK32S transmitter helps user filter out

channel values which are input by touching the joysticks unintentionally.

When the range is set, the channel value does not change if the joysticks stay moving in the range; when the joysticks move out of the range, the channel value continues to change.

Steps to Set Dead Zone

1. In the model settings menu, tap on "JstkDeadZone", in the screen it shows the Joystick Dead Zone menu;

2. Tap on the range, then "+/-" to input a target range according to your requirement;

3. Tap on "Return" to finish.

5.15 Multi-Drone Control
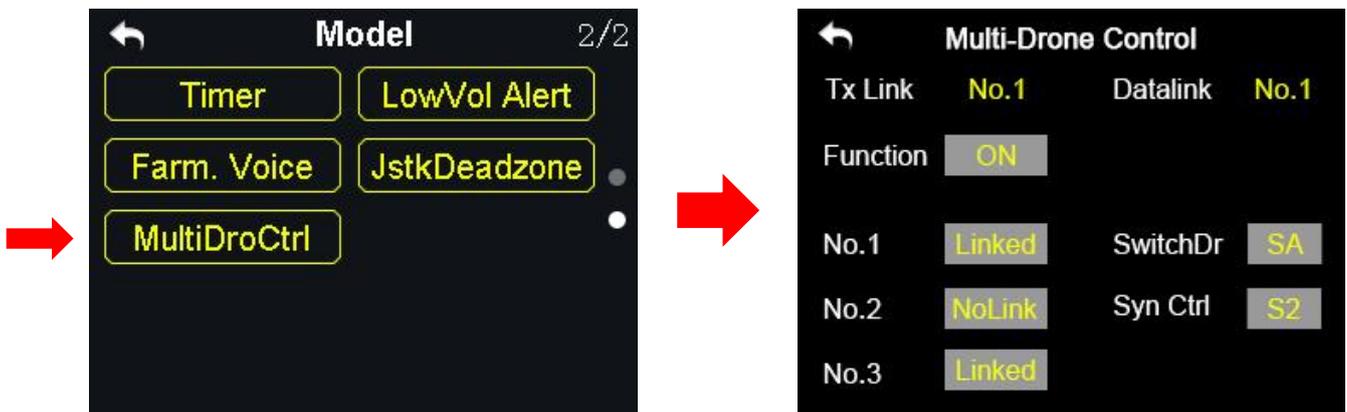
Through one DK32S transmitter users can control up to three drones at the same time.

Switch Drone

The function is to switch the control of linked drones, from drone No.1 to No.3.

When the "Syn-control" function is not activated, the DK32S transmitter controls one drone only. At this time, if you switch the control of a linked drone to another, for the uncontrolled drones, the channel value of CH1-4 stays in center (1500), the other channels stays not changing. The datalink goes with the drone in control.

Syn-Control

When the "Syn-control" function is activated, the DK32S transmitter can control up to three drones at the same time. In this circumstances, all drones fly at the same pace. The datalink only goes with one drone, which is the drone in control before activating the "Syn-control" function.

⚠ **CAUTION**

Please keep a safe distance between the drones when the "Syn-Control" function is activated.

Steps

1. In the model settings menu, tap on "MultiDroCtrl", in the screen it shows the multi-drone control menu;

2. Tap on "SwitchDr", define a 3-stage switch according to your requirement to switch the control of the drones;

3. Tap on "Syn-Control", define a 2-stage switch or a button (S3/S4 is better) to switch on/off the function;

4. Hold the "link" button on the sky station of the drone No.1; when the indicator

2019 SIYI Tech All Right Reserved

blinks red fast, go to the "MultiDroCtrl" menu, tap on "NoLink" of the drone No.1;

When the indicator is on green, linking is finished.

5. Repeat Step 4 for drone No.2 and drone No.3 to finish all the linking process.

6 SYSTEM SETTINGS

Functions

General Stts (General Settings): Set transmitter's basic functions

Lock&Display (Screen Lock & Display): Turn on / off the display of the transmitter touch screen and adjust brightness

H/W Settings (Hardware Settings): Change the hardware definition of several transmitter channels through software settings

ExtPort Stts (Extending Ports Settings): Set the definition of the transmitter's extending ports

Joystk Cali (Joystick Calibrating): Calibrate the joysticks

LD Calibrtn (LD Calibrating): Calibrate the left dial (LD)

EXT/IMT Stt (Export/Import Setting Data): Export the transmitter settings or model

settings

Power Ratio: Adjust the power ratio

ESC Cali: Calibrate ESC through PWM ports on the sky station

6.1 General Settings
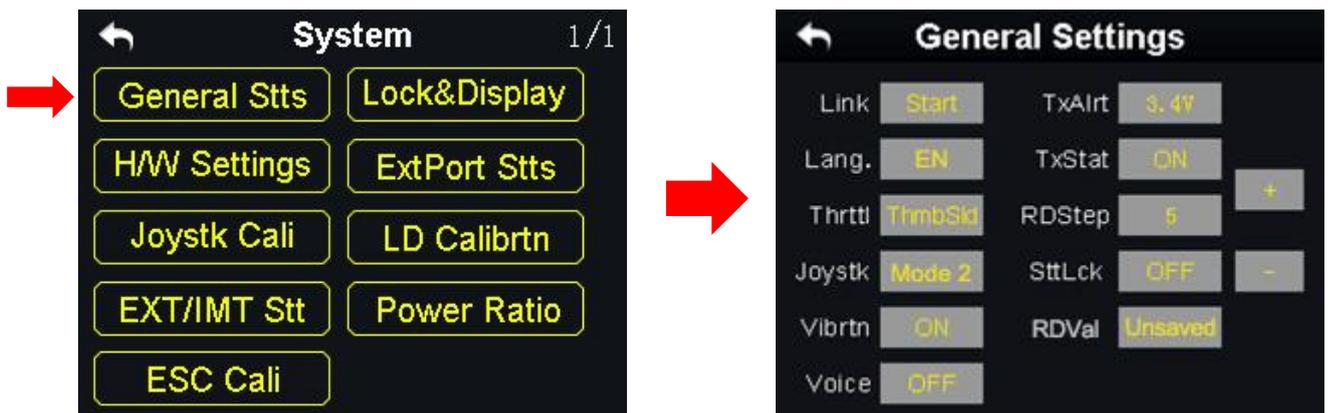
General Settings Menu Introduction

Link (Linking): Start linking the DK32S transmitter to the sky station.

Lang. (Language): Switch the system language between Chinese/English.

Thrttl (Throttle Type): Switch the throttle joystick type between "Self-centering" and "Thumb-slide".

Joystk (Joystick Mode): Switch the joystick mode from American Hand / Japanese Hand / Chinese Hand / Custom Hand.

2019 SIYI Tech All Right Reserved

Vibrtn (Vibration): Turn on / off the vibration alert function.

Voice (Voice Broadcast): Turn on / off the voice broadcast function.

TxAlrt (Transmitter Low Battery Level Alert): Set a limit for the transmitter battery level lower than which transmitter will alert.

TxStat (Transmitting Status): Turn on / off the radio signal transmitting.

RDStep (RD Stepping Value): Set the stepping value (range: 1-100) of the right dial (RD). Higher it is, more channel value the channel value increases in a single movement.

SttLck (Setting Lock): When the setting lock is "ON", password is required for entering the transmitter setting menu (the default password is "8888"); when the setting lock is "OFF", no password is required.

RDVal (RD Value): When it is "Unsaved", the RD channel returns to the default channel value (1500) the next time you power on the transmitter; when it is "Saved", the RD channel stays at the channel value before the last powering off.

6.2 Screen Lock & Display
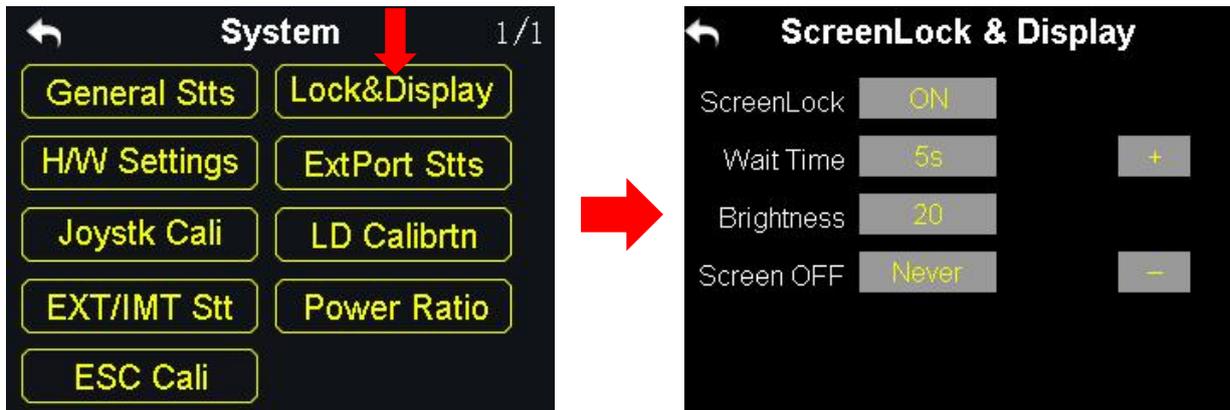
Users can turn on / off the screen lock, set the waiting time, adjust the screen brightness and the screen sleep waiting time of the DK32S transmitter.

Screen Lock and Display Introduction

Screen Lock: The touchscreen lock is disabled when the screen lock is enabled.

Screen Lock Waiting Time: Set the waiting time before locking transmitter screen.

Screen Brightness: Adjust the screen brightness (range 1 - 20).

Screen Sleeping Time: Turn on / off the sleeping function (screen display turns off automatically after waiting time) of the transmitter screen and set waiting time. When you set "Never", the transmitter screen stays on.

⭕ **Mark**: When the screen lock is enabled, press down a sub-trim button (LT5 direction of left sub-trim button, RT5 direction of right sub-trim button) for 3 seconds to unlock the screen.

2019 SIYI Tech All Right Reserved

6.3 H / W Settings

Through the H / W settings users can do advanced settings for the left dial (LD) to switch it between the Position Mode and the Speed Mode and the switch S1 / S4 / S5 / S6 to switch between Self-locking and Self-resetting.

The Difference between the Left Dial (LD)'s Position and Speed Mode

Position Mode: Output of the LD channel value depends on the dial's position. More dial angle it changes, more channel value it outputs.

Speed Mode: Output of the LD channel value depends on the dial's rotating speed. Faster the dial rotates, more channel value it outputs. The speed mode is widely used among aerial photography users to change the camera angle.

Steps

1. In the system settings menu, tap on "H / W Settings", in the screen it shows the H / W settings menu;

2. Tap on "Position / Speed" to switch the left dial's working mode; in speed mode, "+ / -" is to input the stepping value so as to change the LD's rotating speed.

How to Define the S1 / S4 / S5 / S6 Switch

In the H / W settings menu, select a switch according to your requirement, tap on "Self-locking / Self-resetting" to define the working mode.

6.4 Extending Ports Settings
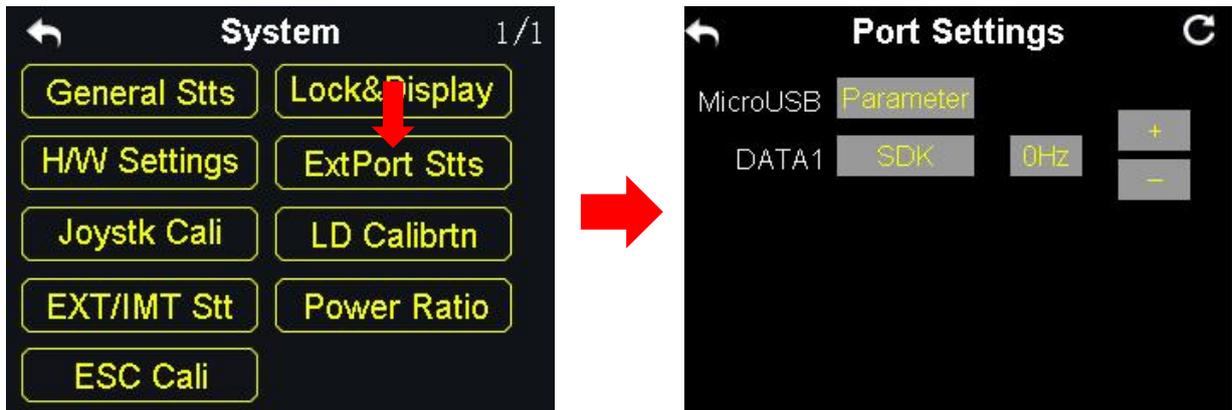
The extending ports function help users extend transmitter function to external hardware devices and SDK. Currently the DK32S transmitter supports a Micro-USB port, a USB port and a 4-Pin Groove Port (DATA1).

The Assigned Function to the Extending Ports

Micro-USB: Charging, parameter adjustment, firmware upgrading and datalink output.

USB: Datalink output.

DATA1: Firmware upgrading of the sky station, trainer mode and SDK.

Steps to

1. In the system settings menu, tap on "Extending Ports Settings", in the screen it shows the extending ports settings menu;

2019 SIYI Tech All Right Reserved

2. Select DATA1 to assign a function (transmitter / sky station / GPS / SDK);

3. Under "Transmitter", the DATA1 port supports the trainer mode, output of the trainer transmitter and input of the student transmitter;

4. Under "sky station", the DATA1 port supports upgrading the sky station firmware (please refer to the DK32S Sky Station User Manual for more);

5. Under "GPS" mode, the DATA1 port supports the GPS module. Agricultural drone pilots use the GPS module with the DK32S transmitter to mark flight points;

6. Under "SDK", the DATA1 port supports output of the joystick channel value. Tap on "+ / -" to increase or decrease output frequency.

SDK Agreement Format

Field	Index	Bytes	Description
STX	0	1	0X55
Data Length	2	1	Data field byte length value: 32
CMD ID	5	1	0x00
DATA	6	32	Joystick channel data Data type: 16-byte unsigned int for channel 1-16
Check Sum	38	1	8 bytes (check sum from 0 byte to 37 byte)

2019 SIYI Tech All Right Reserved

6.5 Joystick Calibrating

The Joystick calibrating function help users calibrate the joysticks' middle position. Regular calibration can maintain the control accuracy of the joysticks.

No calibration is required if it was the thumb-slide joysticks. The self-centering joysticks require calibrating when they fail to reach the maximum / minimum positions or when they stay out of the middle position (channel value is not 0).

Steps

1. In the system settings menu, tap on "Joystick Calibrating", in the screen it shows the calibrating menu of the joystick;

2. The cross coordinate system displays the real-time position of the joysticks;

3. Tap on "Start", in the screen it pops up "Confirm if both the joysticks are in the middle position";
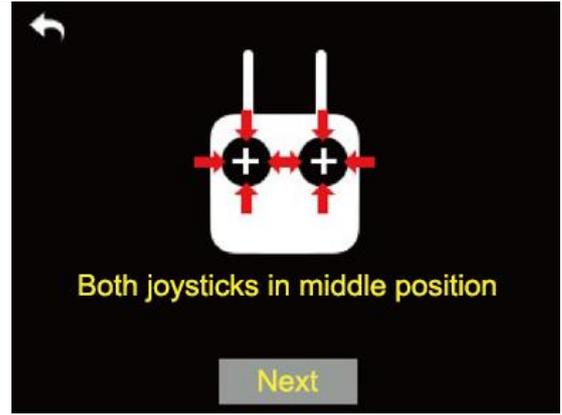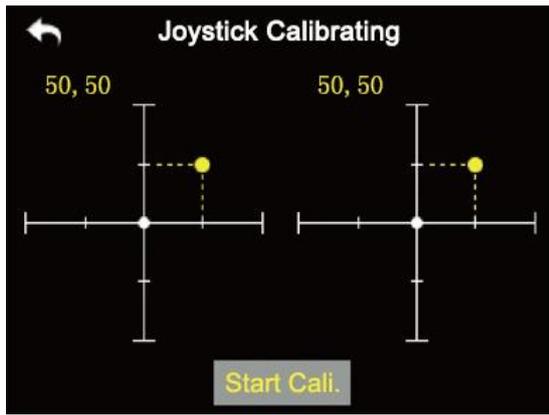
4. Hold the joysticks and make them stay in the middle position (the joystick's tick mark aligns with the transmitter's tick mark), then tap on "Next";
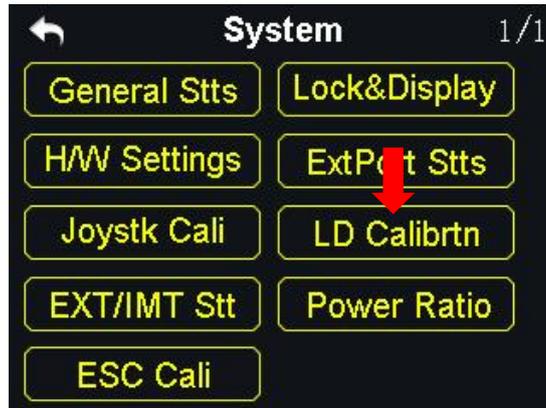
5. The transmitter starts detecting the middle position automatically, do not touch the joysticks while you are waiting;

6. When the detecting is finished, push both joysticks to the maximum position and move them in circle for several times;

7. Tap on "Finish" when it is over.

6.6 LD Calibrating

Calibrating the left dial can maintain its output accuracy. The left dial requires calibration when it stays out of the middle position (channel value is not 0) or it fails to reach the maximum / minimum position.

Steps to Calibrate LD

1. In the system settings menu, tap on "LD Calibrating", in the screen it shows the LD calibrating menu;
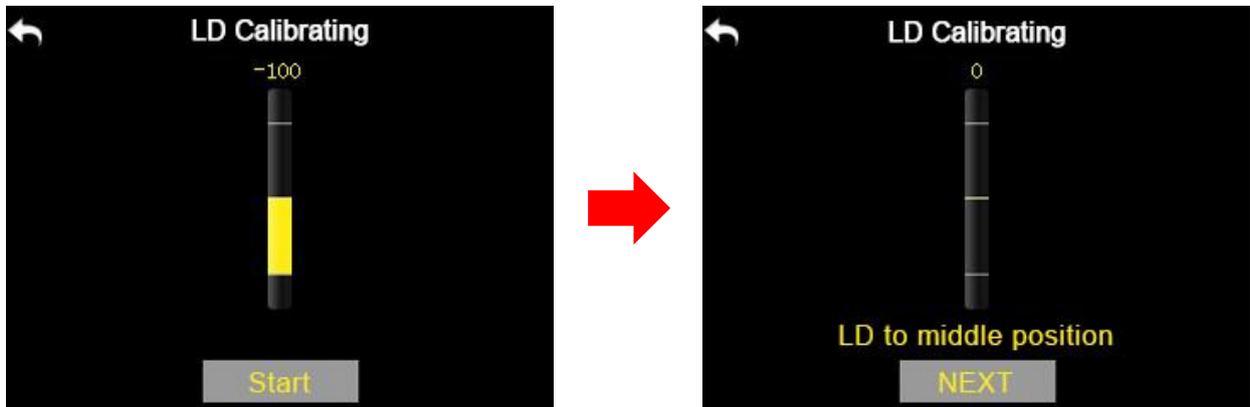
2. Tap on "Start", in the screen menu it shows "LD to the middle position";

3. Make sure the left dial is in the middle position, then tap on "Next"; in the screen it shows "Calibrating LD's middle position, do not move LD";

4. Please do not touch the left dial until it shows "LD to the maximum and minimum position"; follow the hint and repeat it several times;

2019 SIYI Tech All Right Reserved

5. Tap on "Finish" when it is over.

6.7 Export/Import Setting Data

Through the export setting function users can export the data of system settings and model settings to the SD card so as to share the data to another DK32S transmitter.

Steps to Export Setting Data

1. Insert the SD card to the DK32S transmitter (ignore this step if it was there);

2. In the system settings menu, tap on "EXT/IMT Stt", in the screen it shows the export/import setting data menu;

3. Tap on "System Settings" to export the transmitter's system setting data, "All Models" to export all the data of model settings saved in the transmitter; if you are to export the data of the current model's settings, tap on "Current Model";

4. In the screen it pops up "Confirm to export" dialog, tap on "Confirm" to finish.

Steps to Import Setting Data

1. Connect the DK32S transmitter to the computer via USB cable, and open the "SIYI Assistant" software;

2. Import the setting data saved in the SD card to the computer through a SD card reader, the files are in format ".CFG". The data of the system settings is named as "SYS.CFG", the data of all model settings is named as "ALL.CFG"; the data of the current model settings is named as "MODEL+X(model number).CFG";

3. In the "SIYI Assistant" software, tap on "Upgrade"; in "Setting Files", tap on "Select File" to load setting files;
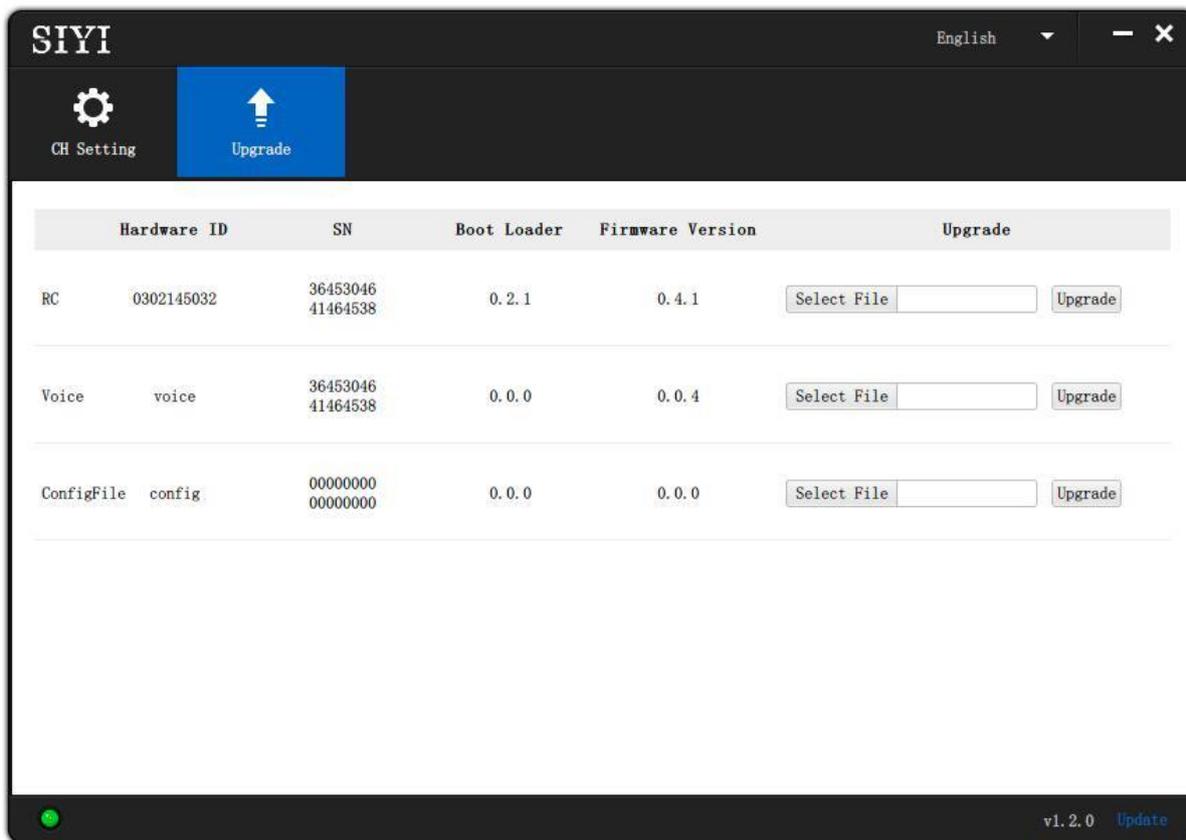
4. Tap on "Upgrade" to finish.

6.8 Power Ratio

2019 SIYI Tech All Right Reserved
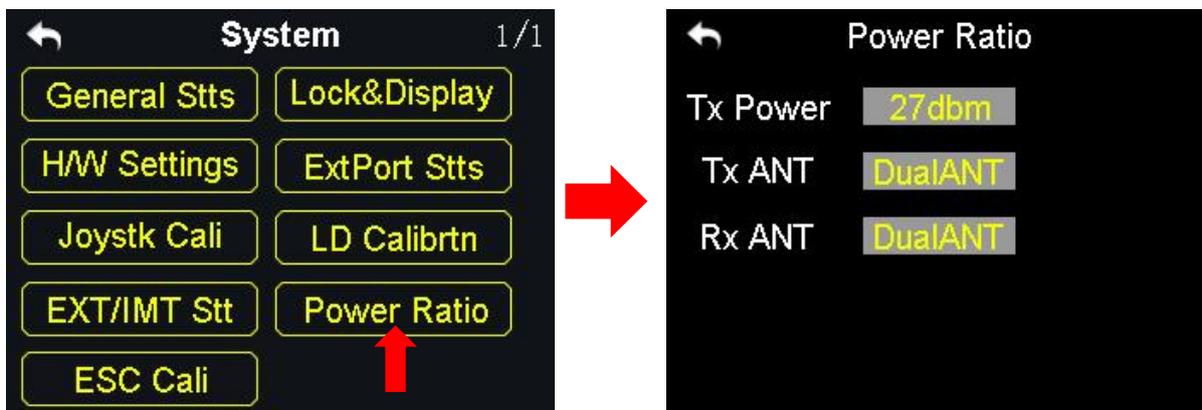
6.8.1 RF Power

Power ratio function helps users adjust RF transmitting power output according to their requirement. Optional output power are 10dBm and 27 dBm.

Steps

1. Power on the transmitter and sky station, make sure that they are linked with each other;

2. In the system settings menu, tap on "Power Ratio", in the screen it shows the power ratio menu;

3. Tap on "RF Power" to choose "10dBm" or "27dBm" for power output;

4. Tap on "Return" to finish setting.

6.8.2 Transmitter/Sky Station Antenna

Both the transmitter and the sky station have two antennas. Users can decide which antenna to use, the antenna 1, the antenna 2 or both according to their requirement.

Steps to Choose the Antenna(s)

1. Power on the transmitter and the sky station, make sure that they are linked with each other;

2. In the system settings menu, tap on "Power Ratio", in the screen it shows the power ratio menu;

3. Tap on "Tx/Rx ANT" to choose "ANT1/2" or "DualATN" for transmitter/sky station antenna;

4. Tap on "Return" to finish.

⚠ CAUTION

Please make sure that the distance between your transmitter and sky station is within 2 meters long.

6.9 ESC Cali

The DK32S transmitter simplified the ESC calibration a lot. Users just connect their ESC to the DK32S sky station's PWM port 1 to 8, then follow the tips in the screen menu or the steps below to finish calibration.

Steps to Calibrate the ESC

1. In the system settings menu, tap on "ESC Cali", in the screen it shows the ESC calibration menu;

2. According to the tips in the screen, connect your ESC signal wires to the sky station's PWM port 1-8, then tap on "Start";

3. In this circumstances, the channel value of transmitter throttle stick reaches to the maximum position automatically (do not push any joysticks); Supply power to the aircraft, and wait for the confirming sound from aircraft motors; Then tap on "Next", the channel value of the transmitter throttle stick reaches to the minimum position automatically, and wait for the confirming sound again;

4. The ESC calibrating is finished, you can cut off the power supply.

7 Sky Station Settings
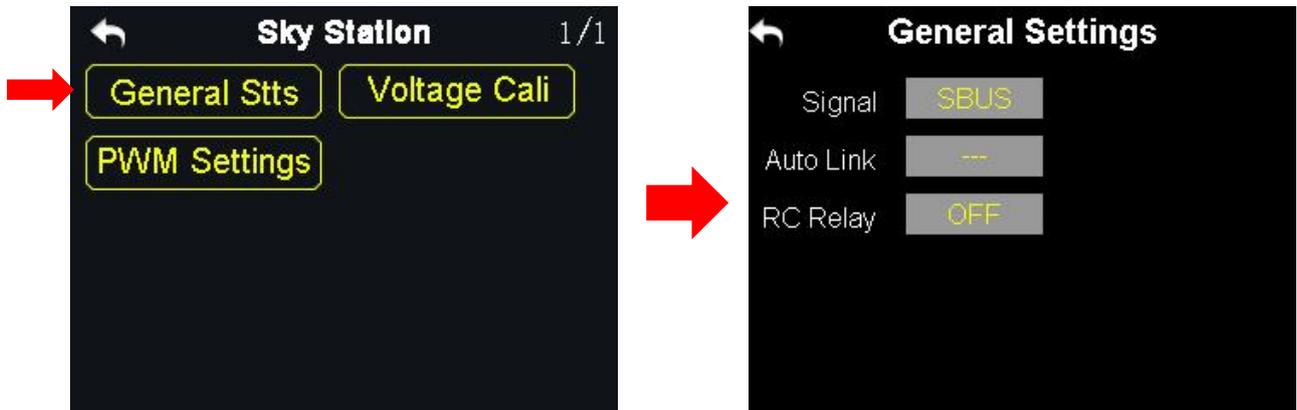

Functions
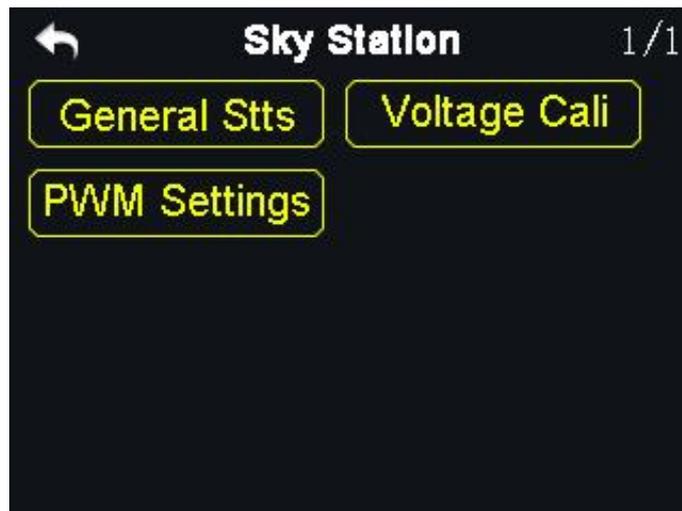
General Stts (General Settings): Set the basic functions of the sky station.

Voltage Cali (Voltage Calibrating): Calibrate the voltage telemetry.

PWM Settings: Change the channel definition under the PWM mode.

7.1 General Settings

7.1.1 Signal Mode

Set signal mode for the three different output mode of the sky station, SBUS, PPM and PWM.

Steps

1. In the general settings menu, select "Signal Mode" and tap on "SBUS / PPM / PWM" to switch different signal modes;

2. The sky station status indicator blinks yellow once when it is switched to the SBUS mode, yellow twice to the PPM mode, yellow 3 times to the PWM mode;

3. When it is done, the status indicator of the sky station blinks green in all modes, and the blinking speed indicates the signal strength. Faster it blinks, weaker the signal strength is.

7.1.2 Automatic Linking

When the sky station is powered on, turn on the automatic linking function. If it receives no signal from the transmitter in 20 seconds, the sky station starts linking

2019 SIYI Tech All Right Reserved

to the transmitter automatically.

The automatic linking function is to simplify procedure. It is necessary to turn on the function before installing the sky station into the aircraft body, in case that they may have no approach to the linking button of the sky station.

⚠CAUTION

Do not turn on the automatic linking function when you are using more than one sky stations at the same time.

7.1.3 Voltage Telemetry

When the voltage telemetry function is turned on, in the PWR (power) column of the DK32S transmitter main menu, users can check the real-time display of the aircraft voltage telemetry.

7.1.4 Remote Control Relay

The function helps users with long distance flight relay. It supports two transmitters at most.

How to Use the Remote Control Relay Function

1. Prepare two DK32S transmitters, mark them with 1 and 2;

2. Please link the transmitter 1 to the sky station first, then turn on "Remote Control Relay" in the "General Settings Relay" menu; the transmitter 1 is the slave transmitter;

3. Then link the transmitter 2 to the sky station; the transmitter is always the master transmitter even if you restart the sky station or transmitter.

7.2 Voltage Calibrating
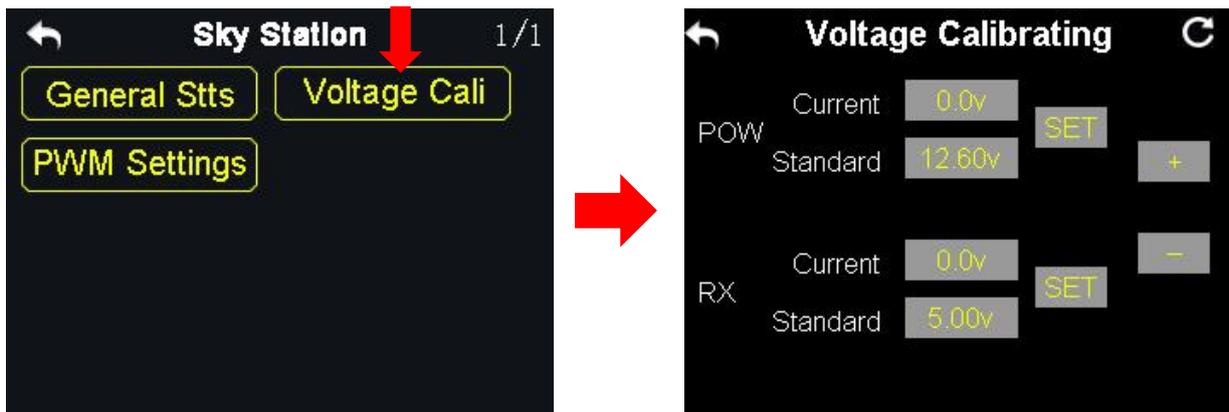
Before using the sky station, it is necessary to calibrate the telemetry voltage of both the sky station and the aircraft.

Here are some preparing work before calibration:

1. Power on the sky station and the transmitter;

2. Link the sky station to the transmitter.

**Steps to Calibrate the Telemetry Voltage of the Sky Station (RX)**

1. Power on the sky station through any of the PWM port, the voltage range is from 3.6V to 10V, measuring by a multi-meter;

2. Let's take an example of 6.0V; select "Standard Voltage" in the RX menu, tap on "+/-" to set the standard voltage to 6.0V;

3. Tap on "SET", in the screen it pops up "Calibrating Succeed", the calibration is finished.

Steps to Calibrate the Telemetry Voltage of the Aircraft Power (POW)

1. Power on the sky station through the POW port, the voltage range is from 3.3V to 50V, measuring with a multi-meter;

2. Let's take an example of 25V; select "Standard Voltage" in the POW menu, tap on "+/-" to set standard voltage to 25V;

3. Tap on "SET", in the screen it pops up "Calibrating Succeed", the calibration is finished.

7.3 PWM Settings
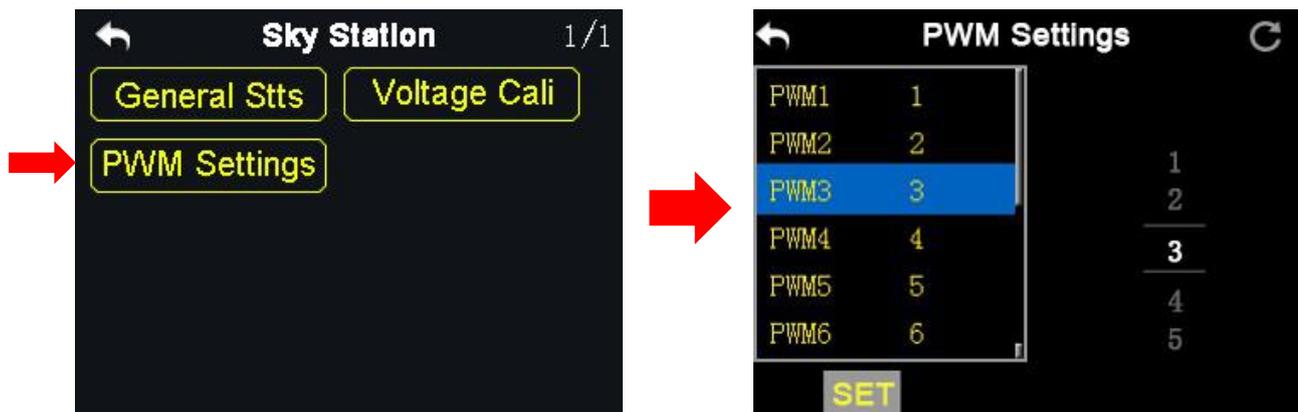
In the DK32S transmitter and the PWM mode, users can redefine the output channel of the sky station (channel 1-9 in default), so that if the channel 9 is already working in SBUS or PPM mode, the PWM ports 1 to 8 can still output to the channels 1 to 16 of the transmitter.

Steps

1. Power on the transmitter and the sky station, make sure that they are linked with each other;

2. The PWM port 1 of the transmitter is mapped to the PWM port 1 of the sky

station, the PWM port 2 of the transmitter is mapped to the PWM port 2 of the sky station…and so on;

3. In the "PWM Settings" menu, tap on a PWM port and select a channel through the virtual turntable in the screen according to your requirement;

4. Tap on "SET" to finish.

8 Video Transmission / Datalink Settings

Functions
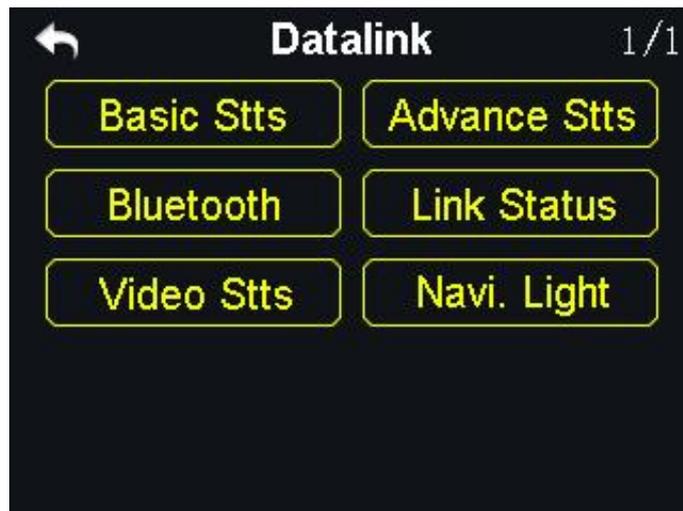
Basic Stts (Basic Settings): Set basic functions of the datalink module.

Advance Stts (Advanced Settings): Set the auto link function and the baud rate.

Bluetooth: Choose the Bluetooth module for your flight controller.

Link Status: Check the link status of the transmitter in real-time.

Video Stts (Video Transmission Settings): Set basic functions of the video transmission module.

Navi. Light (Navigation Light): Set the basic functions of the navigation light.

8.1 Basic Settings
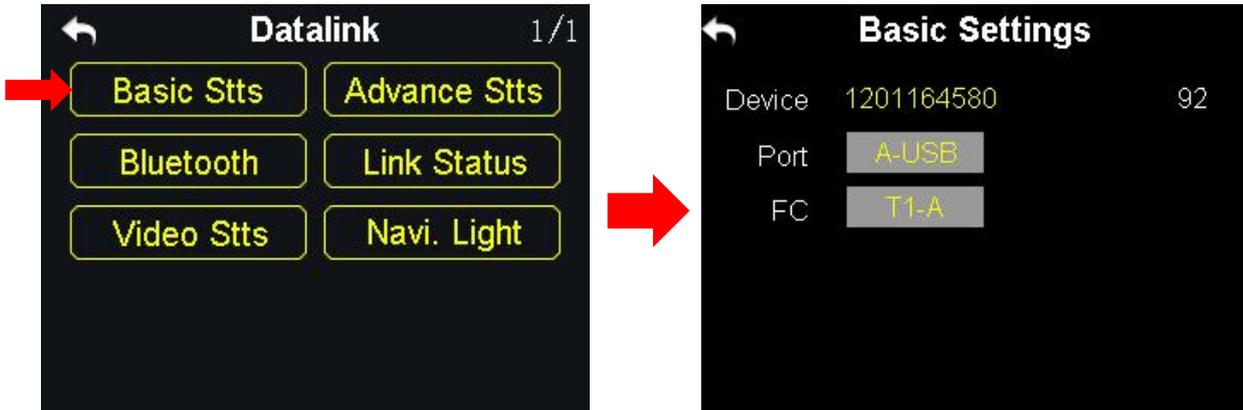
Functions

Device: Displays the serial number of the datalink module.

Port: Select a way of the transmitter output to a smartphone or a tablet. Available ports: A-USB output, Micro-USB output and Bluetooth output.

Flight Controller: Select a flight controller.

The DK32S transmitter supports all major flight controllers in market such as TOPXGUN (T1-A), WOOZOOM (THEONE-A), EFY (FINIX200M), BOYING (PALADIN), CHIAO (MATRIX), JIYI (K3-A), CFUAS (C1-A) and other flight controllers under open source Mavlink agreement such as PIX and APM.

2019 SIYI Tech All Right Reserved
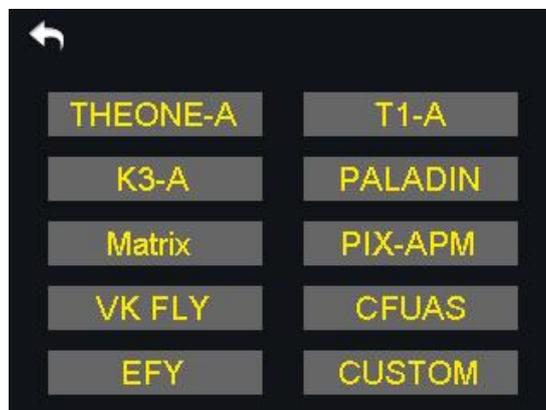
⚠️CAUTION

Before connecting the Micro-USB port of the transmitter to a smartphone or a tablet to communicate with the flight controller, you need to switch the port to Datalink.
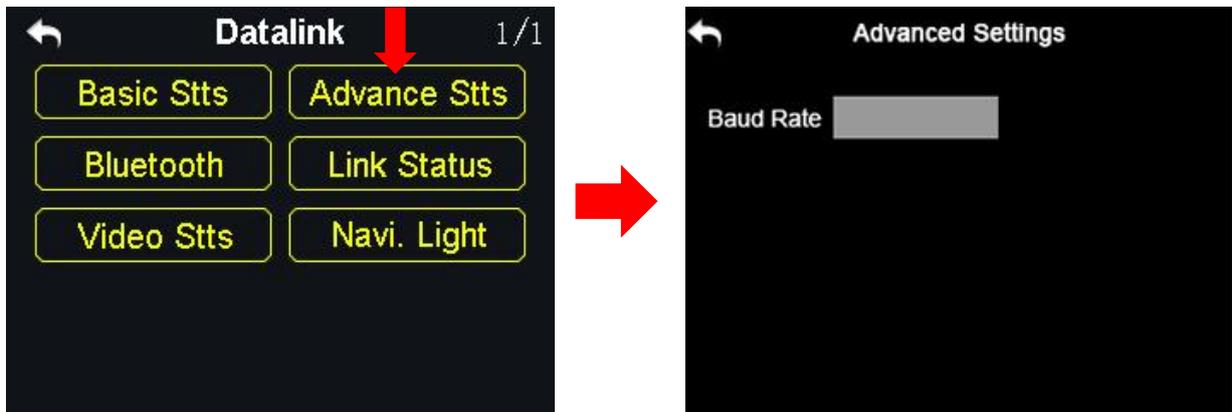
Steps

In the "System Settings" menu, tap on "Port Settings"; tap on "Micro-USB" to switch the port to "Datalink".

⭕ **Mark**: When you switch the Micro-USB port to "Datalink", the transmitter can no longer communicate with PC through the port. If you are to communicate it with a computer for firmware upgrading, please switch it to "Parameter".

8.2 Advanced Settings

If your flight controller type was not in the list, you can set a baud rate to match your flight controller.

Steps

Make sure that the sky station is linked with the transmitter; in the "Advanced Settings" menu, tap on "Baud Rate" and input the baud rate.

2019 SIYI Tech All Right Reserved
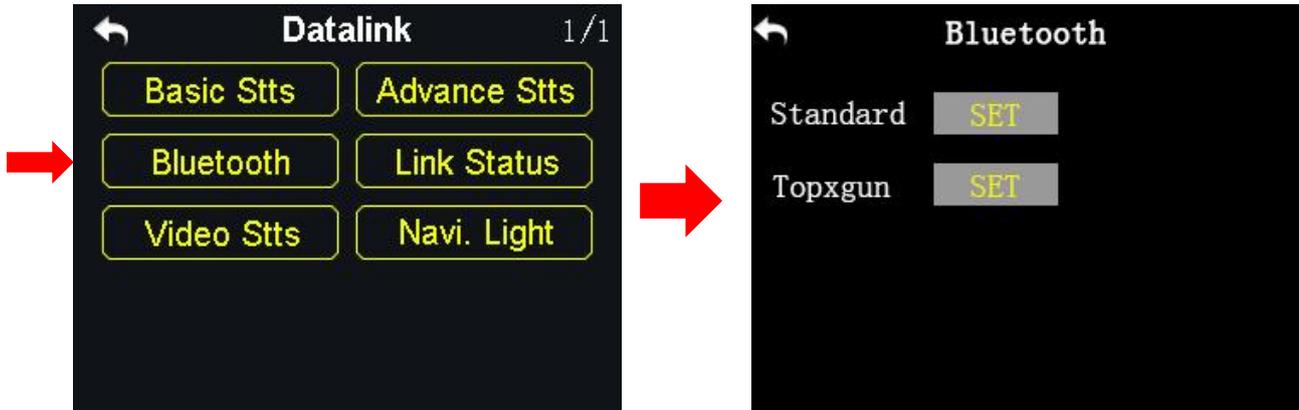
8.3 Bluetooth

Please select the right external Bluetooth device according to your requiring flight controller.

Standard: For any flight controllers except the Topxgun T1-A.

Topxgun: For the Topxgun T1-A flight controller.

8.4 Link Status
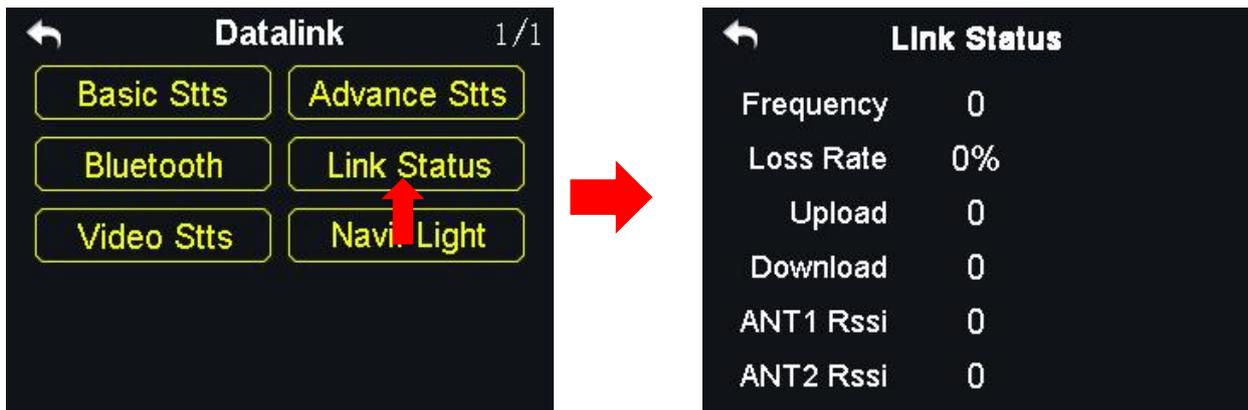
The link status function helps users check the detail signal and link status of the DK32S transmitter in real-time.

8.5 Video Transmission Settings
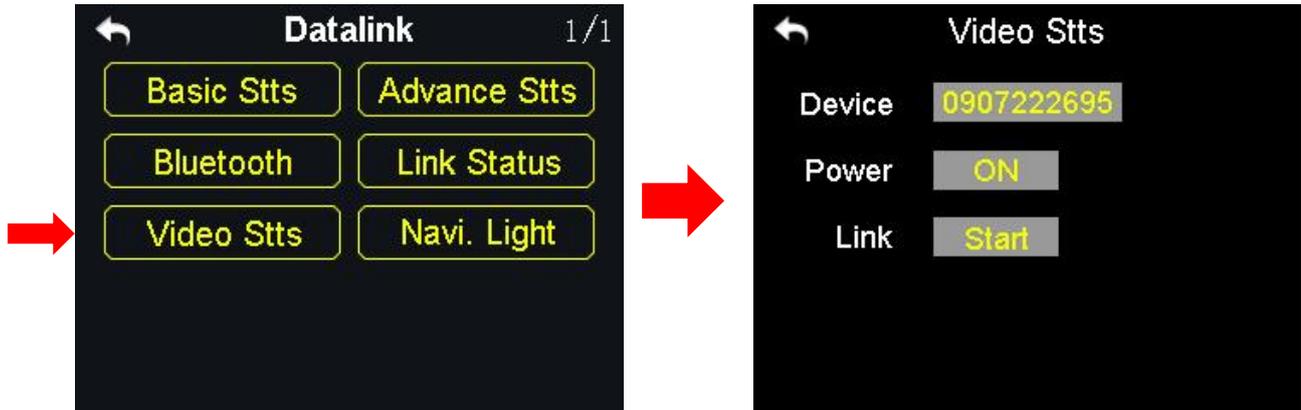
Users can check the serial number of the video transmission module and power on/off the function.

Function

Device: Displays the video transmission module's serial number.

Power: Power on/off the video transmission module.

Link: Link the transmitter with the video transmission module.

8.6 Navigation Light

Users can power on/off the navigation light on the drone.

9 Firmware and Voice Upgrading

The DK32S transmitter supports firmware and voice broadcast upgrading.

Please download the "SIYI Assistant" software and connect the transmitter with the computer.

Steps to Upgrade Firmware and Voice Broadcast

1. Please visit SIYI Technology's official website (http://www.siyi.biz);

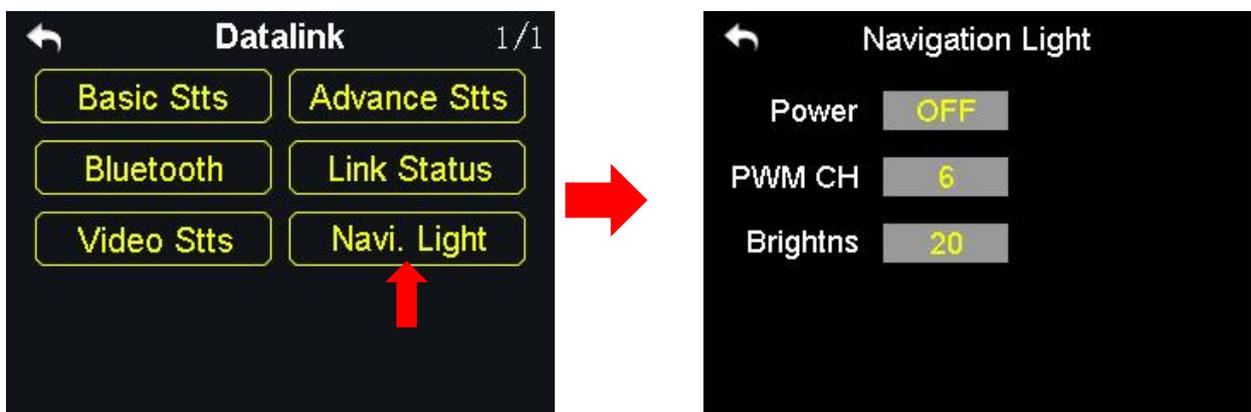2. In the product description page of the DK32S transmitter, tap on "Downloads";

3. Select the "SIYI Assistant" software, driver, the latest firmware and voice broadcast files, tap on "Download";

4. Unzip the files, install the "SIYI Assistant" and the driver to the computer;

5. When it is finished, use an USB cable, connect its one end to the Micro-USB port on the DK32S transmitter, another end to the computer;

6. Run the "SIYI Assistant", check transmitter's current firmware version; if it was not the latest version, tap on "Upgrade" to firmware upgrading menu;

7. Load the latest firmware, tap on "Upgrade" to upgrade firmware;

8. If you need to upgrade the voice broadcast files, please repeat the steps 6-7.

10 After-sale Service

10.1 To-be-repair Procedure

If you meet any difficulties using SIYI Technology's product, please consult our after-sale service center or technical support staff on SIYI's official website.

If it was a product defect or damage confirmed which requires a return, replace or repair, then please proceed with after-sale service procedure steps on official website.

SIYI Technology After-sale Service Guide

1. Please visit SIYI Technology official website: http://www.siyi.biz;

2. In "Service and Support" menu, tap on "To-be-repair Procedure";

3. Find after-sale service center or technical support staff information and consult them with your product issue;

4. If the issue stays unsolved after confirming with SIYI Tech, then please refer to our after-service for filling in a "To-be-repair" form (personal repair form for individuals, distributor repair form for distributors);

5. Send the bill with product to SIYI Technology for final check or repair;

6. If the product is confirmed damaged or defected by SIYI Technology, it goes in repair procedure. Product will be returned to you after repairing.

10.2 After-sale Policy

SIYI Technology guarantees that, subject to the following conditions, Return & Refund Service, Replacement Service and Warranty Repair Service can be requested. Please contact SIYI or your authorized SIYI dealer for more details. You will be required to fill out a repair form, which should be sent to us along with the to-be-repaired unit.

10.1.1 7-Day Return & Refund

You can request Return & Refund Service:

Within seven (7) days of receiving a product if the product has no manufacturing defect, has not been activated and is still in new or like-new condition.

Within seven (7) days of receiving a product if the product has a manufacturing defect.

Return & Refund Service will not be provided where:

It is requested beyond seven (7) calendar days of receiving a product.

A product sent to SIYI for Return & Refund Service does not include all original accessories, attachments or packaging, or any item is not in new or like-new condition, i.e. with cracks, dents or scratches.

A legal proof of purchase, receipt or invoice is not provided or is reasonably believed to have been forged or tampered with.

Any fault or damage of the product is caused by unauthorized use or modification of the product, including exposure to moisture, entry of foreign bodies (water, oil, sand, etc.) or improper installation or operation.

Product labels, serial numbers, waterproof marks, etc. show signs of tampering or alteration.

Damage is caused to the product by uncontrollable external factors, including fire, floods, high winds or lightning strikes.

A product is not delivered to SIYI within seven (7) calendar days after Return & Refund Service confirmation is sent from SIYI.

Other circumstances stated in this policy.

10.1.2 15-Day Replacement

You can request Replacement Service:

Within fifteen (15) calendar days of receiving the product if the product has sustained a substantial damage in transit, provided always that the damage proof issued by the carrier can be provided to SIYI.

Within fifteen (15) calendar days of receiving the product if the product does not match the original description of the product in one or more significant respects.

Within fifteen (15) calendar days of receiving the product if the product suffers performance failure.

Replacement Service will not be provided where:

Service is requested more than fifteen (15) calendars days after receiving a product.

Legal proof-of-purchase, receipts, or invoices are not provided, or are reasonably believed to have been forged or tampered with.

A product sent to SIYI for replacement does not include all original accessories, attachments and packaging, or contains items damaged by user error.

A product is found to have no defects after all appropriate tests are conducted by SIYI.

Any fault or damage of the product is caused by unauthorized use or modification of the product, including exposure to moisture, entry of foreign bodies (water, oil, sand, etc.) or improper installation or operation.

Damage is caused by uncontrollable external factors, including fires, floods, high winds, or lightning strikes.

Received product has not been sent back to DJI seven (7) calendar days after replacement confirmation from DJI.

Proof of damage during transit issued by the carrier cannot be provided.

Other circumstances stated in this policy.

10.1.3 1-Year Warranty Repair

You can request warranty repair service:

If a product does not function as warranted during the warranty period, you may obtain after-sales service by contacting SIYI's service center. You will need to provide a valid proof-of-purchase, receipt or order number for the warranty service.

Charges may apply for services not covered by this Limited Warranty. Please contact SIYI for information specific to your location.

Please note that the warranty service is only available in the respective SIYI service regions where you purchased your SIYI product.

Warranty Repair service will not be provided where:

Crashes or fire damage caused by non-manufacturing factors, including but not limited to pilot errors.

Damage caused by unauthorized modification, disassembly, or shell opening not in accordance with official instructions or manuals.

Damage caused by improper installation, in correct use, or operation not in accordance with official instructions or manuals.

Damage caused by non-authorized service provider.

Damage caused by unauthorized modification of circuits and mismatch or misuse of the battery and charger.

Damage caused by operation in bad weather (i.e. strong winds, rain, sand/dust storms, etc.)

Damage caused by operating the product in an environment with electromagnetic interference (i.e. in mining areas or close to radio transmission towers, high-voltage wires, substations, etc.)

Damage caused by operating the product in an environment suffering from interference from other wireless devices (i.e. transmitter, video-downlink, Wi-Fi signals, etc.)

Damage caused by reliability or compatibility issues when using unauthorized third-party parts.

Damage caused by operating the unit with a low-charged or defective battery.

Products or parts with an altered identification label or from which the identification label has been removed.