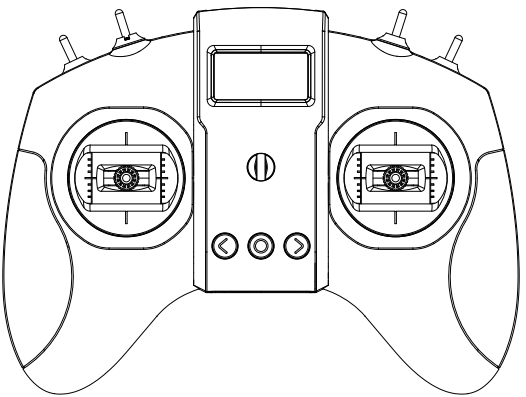
LDARC



ET01 Transmitter

User Manual

Version 250425

Introduction

Thank you for purchasing the ET01 remote control. This remote control is suitable for model aircraft, car models, ship models, robots, etc. It is available for both beginners and professionals For personal use, to ensure correct and safe use of this product, please carefully read the introductory guide before use. This guide includes, the information is subject to change without prior notice.

Safety Notice

Models controlled by remote controllers are mostly equipped with powerful motors and sharp propellers. Please proceed with caution when assembling them During maintenance, please ensure that the power supply to the model has been disconnected and the propeller has been removed. Do not operate the remote control in the following situations:

1. In adverse weather or strong wind conditions, such as rain, snow, hail, storms, or electromagnetic environments.
2. In any situation where visibility is limited.
3. In areas where there may be personnel, property, high-voltage power lines, public roads, vehicles, or animals present.
4. If you feel tired or uncomfortable, or under the influence of drugs or alcohol.
5. If the remote control or model appears to be damaged or not functioning properly.
6. In areas with high interference at 2.4GHz or where the use of 2.4GHz radio is prohibited.
7. When the battery voltage is too low to be used.
8. In areas where the use of aerial models is prohibited by local regulations.

Important Safety Notice

1. Please regularly check the voltage and condition of the battery.
2. Never charge it unattended.
3. Please make sure to charge in a safe area away from flammable materials. Do not charge if the remote control gets wet or damaged in any way.

Important Note

To operate this product in various countries and regions such as China, North America, Europe, Japan, Korea, etc., you may need to meet different legal requirements in your country or region. For details, please study the law and regulations imposed by your local aviation and radio administration. It is extremely important to always fly legally.

Feature

Wireless key

Adjustable transmission power

High precision mechanical remote control group

LCD display screen with backlight

Teaching lock mode

TYPE-C charging, built-in battery, long battery life

USB direct connection computer simulator

Real time voltage and signal feedback

Sound vibration alarm

Chinese and English operation menu

Parameter

Protocol：ELRS

Work time：~8h

RF power：10mW-100mW

Screen：128*64 LCD

Channel：8CH

Frequency：2.4G

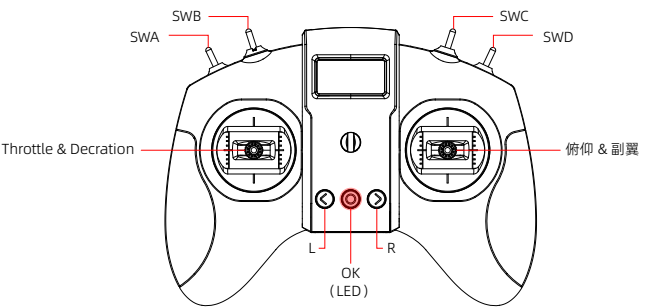
RF：AT2401C

Battery：3.7V 1200mAh

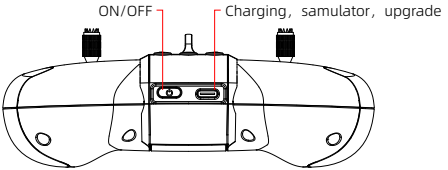
Weight：238g

Size：165*125*63mm

ET01 Function （Model 2）



SWA 2 Level；SWB/SWC/SWD 3 Level

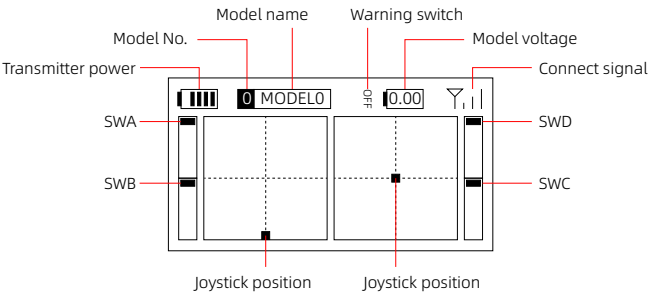


Press and hold the "ON/OFF" key to turn on/off the transmitter

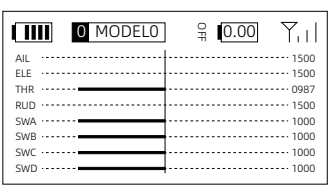
Charging

Please bring your own Type-C charging cable to connect to the charging port of the transmitter. The transmitter indicator light is red means charging; the indicator light is off means end of charging. Charging voltage is 5V, over 5V charging will damage the transmitter.

Main Screen



Monitor



Shot press "L" or " R" key to change bettewn with main and monitor screen

Setting menu

SETTING	M0
EXIT	
切换到中文	
Model Name	
Telemetry	
Advanced	
Simulator	1
About	

→ Submenu

Telemetry	M0
Exit	
C/L Alert	ON
LV Alert	OFF
LV Setting	35
Scale	100
Offset	0

Advanced	M0
Exit	
Bind	
TX Power	25
LCD-BRT	10
LCD-Contrast	10
Key Tone	2
Auto PwrOff	OFF
Hide Menu	ON
CAL-ET01	
FACTORY RESET	

Expert Setting	M0
Exit	
Model No.	0
AIL Setting	
ELE Setting	
THR Setting	
RUD Setting	
CH Remap	
SW Custom	
TX Type	M2
Custom UID	OFF

→ Submenu

Model Number	M0
Exit	
MODEL0	0
MODEL1	1
MODEL2	2
MODEL3	3
MODEL4	4
MODEL5	5
MODEL6	6
MODEL7	7
MODEL8	8
MODEL9	9

AIL Setting	M0
Exit	
Reverse	OFF
End Point	
Sub Trim	0

ELE Setting	M0
Exit	
Reverse	OFF
End Point	
Sub Trim	0

Channel Remap	M0
Exit	
CH-01	AIL
CH-02	ELE
CH-03	THR
CH-04	RUD
CH-05	SWA
CH-06	SWB
CH-07	SWC
CH-08	SWD

THR Setting	M0
Exit	
Reverse	OFF
End Point	
Sub Trim	0

RUD Setting	M0
Exit	
Reverse	OFF
End Point	
Sub Trim	0

SW Custom	M0
Exit	
SW-A	
SW-B	
SW-C	
SW-D	
SW-V1	
SW-V2	

TX Type	M0
Exit	
Model 2	
Model 1	

E-UID	M0
Exit	
Custom UID	OFF
UID 0	145
UID 1	71
UID 2	99
UID 3	25
UID 4	247
UID 5	2

Built-in simulator

Simulator meau		
SETTING M0		SETTING M0
Exit		Exit
切换到中文		切换到中文
Model Name		Model Name
Telemetry		Telemetry
Advanced	⟷	Advanced
Simulator 1		Simulator 2
About		About

“Simulator 1”：XTR，DRL，DCL，Freerider，Liftoff，RDSRotor Rush，FPV Air2，Velocidrone，FPV drone，Hotprops，Next-CGM.

“Simulator 2”：PHRC 5.0，PHRC 6.0.

1. This product is for hardware only. Please use genuine game software and obtain the software from the STEAM platform or other channels.

2. When using the simulator, please connect the computer and transmitter with a data cable. If using a charging cable without data functionality on the market, this feature will not function properly.

Hiddden setting menu

Hiddedn setting menu

<Hidden setting menu> function

SETTING	M0
Exit	
切换到中文	
Model Name	
Telemetry	
Advanced	
Simulator	1
About	

→

Advanced	M0
Exit	
Bind	
TX Power	25
LCD-BRT	10
LCD-Contrast	10
Key Tone	2
Auto PwrOff	OFF
Hide Menu	ON
CAL-ET01	
FACTORY RESET	

Function description:

<Hide Settings Menu>Set Parameters

<Enable>: Default setting, users entering the transmitter settings menu from the main interface need to execute [key unlock sequence]:

Left-click three times, right-click three times, and finally click the OK button

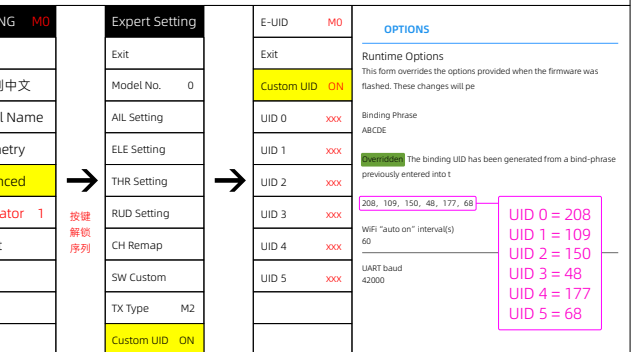
<Close>: Click the OK button to directly enter the settings menu from the main interface

This function is like to a keyboard lock, used to prevent students from arbitrarily changing remote control settings and affecting the teaching process By default, it is enabled when leaving the factory. To enter the remote control settings menu from the main interface, users need to execute the [key unlock sequence].If you don't need this feature, you can set it to<Off>in the<Hide Settings menu>of<Advanced Features>.

Expert mode

<ELRS Binding Phrase>

The ET01 transmitter supports to connect the receiver with ELRS Binding Phrase to directly. This function is called 'Radio Private Key' in the ET01 transmitter, and the menu location is shown in the following figure.
Note: When entering<Expert Settings>on the transmitter, you need to execute [Key Unlock Sequence]: The user first selects [Advanced Settings] from the menu, clicks the left button three times, clicks the right button three times, and finally clicks the confirm button,
■<Wireless Private Key>Function



Function description：

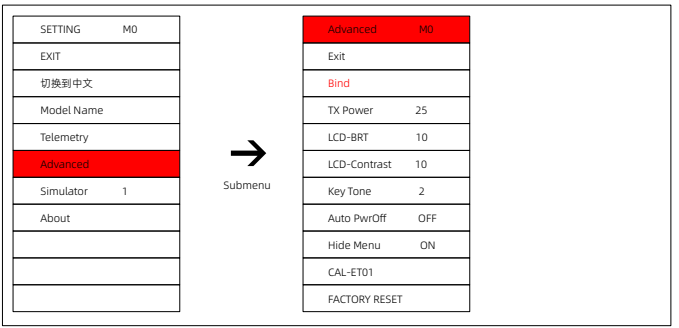
The wireless private key is a unique UID automatically generated by users in the ELRS system through custom Binding Phrases.
All receivers and remote controllers using this numerical combination do not need to be directly connected to the code.
Users need to fill in their Binding Phrase string in the ELRS system, and then enter the six digits generated by the system into UID 0-5 in the ET01 remote control<Radio Private Key>menu,this setting will only take effect after the remote control is restarted.

As shown in the upper right corner image, the user-defined Binding Phrase string is ABCDE, and the ELRS system generates 6 based on this stringUID0、UID1、UID2、UID3、UID4、UID5; array number 208,109,150,48,177,68。

Note:
1. In the ELRS system, users can customize the Binding Phrase string and fill in "ABCDE", "HelloJackMa", or "1111BuyBuyBuy" according to their preferences, Wait for any string, no matter what the user fills in, the ELRS system will eventually generate a combination of 6 digits, namely UID0~5. Please fill in the 6 digits generated by the ELRS system into this remote control, Instead of user-defined strings.
2. UID0~5 can only be automatically generated using the ELRS system, and users are strictly prohibited from manually entering numbers such as 0,0,0,0,0 or 1,1,1,1,1. Because the ELRS system automatically avoids danger when generating UID The combination of numbers, filled in by users themselves, may result in uncontrollable consequences such as loss of control.
3. Changes to UID0~5 and the activation or deactivation of the<Custom Private Key>function require a restart of the ET01 remote control to take effect.

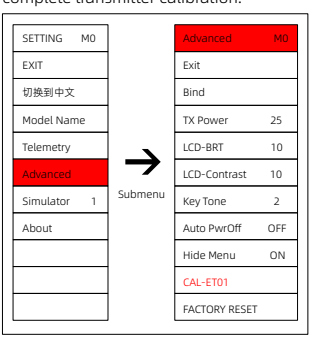
Bind（ER01）

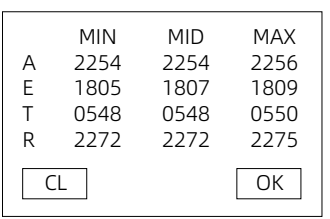
1. Power off your transmitter.
2. Power-cycle the receiver 3 times.(Supply power to the receiver. The receiver LED lights up. Turn it off within 2 seconds. Repeat 2 more times.)
3. Make sure the LED is doing a quick double-blink, which indicates the receiver is in bind mode.
4. Power up your transmitter and use the [BIND] button on the ExpressLRS Lua script, which sends out a binding pulse. The Popup will briefly show up and then disappear.
5. If the receiver LED turned into a solid light, means bind successful.



Transmitter calibration

1. Enter the "Advanced Settings" menu, select "Calibrate transmitter", and press the "Confirm" button briefly to enter the calibration page.
2. Move all joysticks to the limit, then keep all joysticks centered, select OK and confirm to complete transmitter calibration.

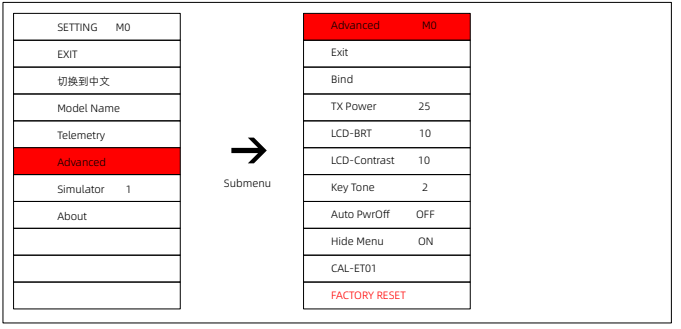




Calibration page

Factory reset

1、Enter to the “advanced” menu，select “factory reset”，shot push “OK” key。
2、Prompt that all data will be cleared, select OK and confirm; The transmitter is turned off.
3、Reopen the transmitter, the transmitter will sound an alarm. Press the "confirm" button briefly to complete the factory reset.



Firmware Upgrade

1、Refer to the detailed firmware upgrade document，http://ldarc007.ysepan.com

2、Item list

<1>. ET01 8通道ELRS手柄遥控器

ET01升级***固件***年***月***日更新

Campany information

WWW.LDARC.COM

Manufacturer：DongGuan LDARC Technology Co.,Ltd

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Service：SERVICE@LDARC.COM

B2B/Complaint：BOSS@LDARC.COM

More

WWW.LDARC.COM

BILIBILI

LDARC007.YSEPAN.COM
Manual

FCC Warning

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.

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

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.

* RF warning for Portable device:
The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.