CT01 TRANSMITTER USER MANUAL

- LDARC O₂ bidirectional 2.4Ghz wireless system
- Telemetry voltage for main battery, custom alert voltage
- 8 channels output, 5 model files
- 6 SW channels all support custom output PWM value
- Sound and vibration warning
- Support dual tracks (tank) mode

WARNING

- Backlight of key support white / color / lights out mode
- Transmitter support firmware update

- English and Chinese language menu
- Wireless signal strength indication, receiver connect / disconnect alert
- 6 SW channels all support channel remap
- 8 channels independent failsafe setting
- Detachable 18650 battery, standard USB Type-C charging interface
- Custom RGB rear light
- 50Hz / 100Hz / 200Hz servo speed

This product is not a toy, user need model hands-on experience. Please be careful when using, we do not assume responsibility for any property damage or personal injury caused by use this product.

DO NOT using in thunderstorm, bad weather and harsh environments.

Remove ESC and motor before run binding procedure or else may result in serious injury.

Receiver maybe lost signal when the distance too far, sheltered by barrier or radio interference. Use reasonable failsafe setting, under the premise of ensuring safety, remove motor gear then power off transmitter to test failsafe working properly or not.







Setting M0	Model Setting M0	Functional specifications
Exit	Exit	
切换到中文	Model No. 0	Switch current running model file, number 0/1/2/3/4 total five model files
Model	Model Name	Custom model file name
Advanced	ST Setting	CH1 ST channel reverse, end point and sub trim
About	TH Setting	CH2 TH channel reverse, end point and sub trim
	CH Remap	Remap define of SWA/B/C/D/E and SV1
	SW Custom	Define SW channel output value, please read blue words #Notice below
	Failsafe	See <failsafe> this page</failsafe>
	Servo SPD 50	Setting receiver output servo speed (PWM speed)
	Telemetry	See page 10 <telemetry></telemetry>
	RGB	Custom RGB rear light color and brightness
	TX Type	<normal car=""> or <dual (tank)="" tracks=""> mode</dual></normal>
SWA/B/C are 3 gears structure, SWD are 2 gears structure, use SWE is trigger structure, user ca SV1 is virtual potentiometer, use	user can define 3 different output va r can define 2 different output values in define 2 different output values, h er can define potentiometer output va	ilues, range is 900us ~ 2100us. , range same as above. old SWE will sent one value, release will sent another, range same as above. alues, range same as above.
SWA/B/C are 3 gears structure, SWD are 2 gears structure, use SWE is trigger structure, user c: SV1 is virtual potentiometer, use	user can define 3 different output va r can define 2 different output values in define 2 different output values, h er can define potentiometer output va	Nues, range is 900us ~ 2100us. , range same as above. old SWE will sent one value, release will sent another, range same as above. alues, range same as above.
SWA/B/C are 3 gears structure, use SWD are 2 gears structure, use SWE is trigger structure, user c: SV1 is virtual potentiometer, use <advanced> is the setting page Setting ve</advanced>	user can define 3 different output va r can define 2 different output values in define 2 different output values, h r can define potentiometer output va related to transmitter hardware.	Nues, range is 900us ~ 2100us. , range same as above. old SWE will sent one value, release will sent another, range same as above. alues, range same as above. Functional specifications
SWA/B/C are 3 gears structure, SWD are 2 gears structure, use SWE is trigger structure, user cr SV1 is virtual potentiometer, user SV1 is virtual potentiometer, user CAdvanced> is the setting page Setting vo Exit	user can define 3 different output values r can define 2 different output values, h r can define 2 different output values, h r can define potentiometer output va- related to transmitter hardware. Advanced 30 Exit	Ilues, range is 900us ~ 2100us. ; range same as above. old SWE will sent one value, release will sent another, range same as above. alues, range same as above. Functional specifications
SWAB/C are 3 gears structure, use SWD are 2 gears structure, user co SWE is trigger structure, user co SV1 is virtual potentiometer, user <advanced> is the setting page Setting 00 Exit (別発列中文)</advanced>	user can define 3 different output va r can define 2 different output values un define 2 different output values, h r can define potentiometer output va related to transmitter hardware. Advanced M Exit Bind TLM-On	Ilves, range is 900us - 2100us. s, range same as above. old SWE will sent one value, release will sent another, range same as above. alues, range same as above. Functional specifications
SWAB/C are 3 gears structure, use SWD are 2 gears structure, use SWD is trigger structure, user cr SV1 is virtual potentiometer, user <advanced> is the setting page Setting Wo Exit 切影到中文</advanced>	user can define 3 different output values r can define 2 different output values, h r can define 2 different output values, h r can define potentiometer output va- related to transmitter hardware. Advanced wa Exit Bind TLM-Off	Ilues, range is 900us ~ 2100us. I, range same as above. old SWE will sent one value, release will sent another, range same as above. alues, range same as above. Functional specifications See page 11 < BIND>
WARJC are 3 gears structure, use SWD are 2 gears structure, user SWE is trigger structure, user cr SV1 is virtual potentiometer, user <advanced> is the setting page Setting WE Exit U別発到中文 Model Advanced</advanced>	user can define 3 different output va r can define 2 different output values in define 2 different output values, h r can define potentiometer output va related to transmitter hardware. <u>Advanced</u> <u>Exit</u> <u>Bind TLM-Oft</u> <u>Bind TLM-Oft</u> <u>Bind TLM-Oft</u>	Intres, range is 900us ~ 2100us. s, range same as above. old SWE will sent one value, release will sent another, range same as above. alues, range same as above. Functional specifications See page 11 < BIND> LCD backlight brightness. turn off backlight if set to 0
SWABIC are 3 gears structure, use SWD are 2 gears structure, use SWD is trigger structure, user or SV1 is virtual potentiometer, use <advanced> is the setting page Setting to Exit U)B(B)IP(12) Exit U)B(B)IP(2) Advanced Advanced Advanced Advanced</advanced>	user can define 3 different output values r can define 2 different output values, h r can define 2 different output values, h r can define potentiometer output va- related to transmitter hardware. Advanced 30 Exit Bind TLM-Off LCD-Birt Tast	Ilues, range is 900us ~ 2100us. , range same as above. old SWE will sent one value, release will sent another, range same as above. Ilues, range same as above. Functional specifications See page 11 < BIND> LCD backlight trightness, turn off backlight if set to 0 LCD contrast
WARJC are 3 gears structure, use SWD are 2 gears structure, user SWE is trigger structure, user ca SWI is virtual potentiometer, user CAdvanced> is the setting page Setting 地 Exit 可能 所有的目前 Advanced Advanced Advanced	user can define 3 different output values r can define 2 different output values, in the can define 2 different output values, in r can define potentiometer output va- related to transmitter hardware. Advanced 10 Exit Bind TLM-Oft Bind TLM-Oft DD-BRT LCD-Contrast	Intres, range is 900us ~ 2100us.
SWABIC are 3 gears structure, use SWD are 2 gears structure, use SWD is trigger structure, user or SV1 is virtual potentiometer, use <advanced> is the setting page Setting vo Exit U)ByB/I+12 Model Advanced About</advanced>	user can define 3 different output values r can define 2 different output values, h r can define 2 different output values, h r can define potentiometer output va- related to transmitter hardware. Advanced 30 Exit Bind TLM-Off LCD-Birt LCD-Birt LCD-Contrast SW-ERT	Ilues, range is 900us ~ 2100us. , range same as above. old SWE will sent one value, release will sent another, range same as above. Ilues, range same as above. Functional specifications See page 11 < BIND> LCD backlight trightness, turn off backlight if set to 0 LCD backlight trightness, turn off backlight if set to 0 LCD contrast The LED of SW key Vicitores: murd file LBT feet to 0
SWAB/C are 3 gears structure, use SWD are 2 gears structure, user SWE is trigger structure, user ca SV1 is virtual potentiometer, user cAdvanced> is the setting page Satting the Exit UN規制中文 Model Advanced About	user can define 3 different output values r can define 2 different output values, in the can define 2 different output values, in r can define potentiometer output va- related to transmitter hardware. Advanced 10 Exit Bind TLM-Off Bind TLM-Off Contrast SW-BRT Calibration	Intege is 900us ~ 2100us. ,r, range same as above. old SWE will sent one value, release will sent another, range same as above. alues, range same as above. Functional specifications See page 11 <





■ Bind function in transmitter menu. Settine Exit 功表列中文 Model Advanced Advanced Advanced Advanced Advanced Co-Contrast SW-Color SW-BRT Calibration Period

Power on the receiver then press the <BIND> key within 10 second until green blue LED fast blink meaning receiver in blind mode. Select the <Bind TLM-On> or <Bind TLM-On> option on the transmitter <Setting>. <Advanced> menu, respectively to the receiver's <TELEMETRY ON> or <TELEMETRY OFF> mode. Receiver will red blue slow blink or red green slow blink after bind success. User need exit transmitter from bind menu and cycle receiver power. The LED meaning please refer to receiver manual.

Sind TLM-On> & <TELEMETRY ON> mode : Bidirectional communication between transmitter and receiver, receiver will send telemetry packet to transmitter, user can set the alert voltage value on the transmitter. One model file on the transmitter can bind more than one <TELEMETRY ON> mode receiver, <u>but user need keep ONLY</u> ONE receiver yourd on at the same time, because more than one <TELEMETRY ON> mode receiver working in parallel will results in telemetry packet error.

 Asing the same time, because more than one <TELEMETRY ON> mode receiver working in parallel will results in telemetry packet error.

 Sind TLM-Offs & <TELEMETRY OFF> mode : One-way communication between transmitter and receiver, user can't view the telemetry data and signal strength on transmitter.

Notice:

<BIND>

SPECIFICATIONS

The CT series transmitter use LDARC 0: wireless system, each model file of transmitter have unique ID. This feature lets receiver bind to model file instead of transmitter. If receiver does not bind to current running model file will go to failsafe mode, even when use the same transmitter.

Electrical performance

- Operating voltage : 3.5V ~ 4.2V
- Operating current : less than 90mA (all light off)
- Operating current : less than 300mA (all light maximum brightness)
- Charging current : 600mA
- Weight : 240g (not include battery)

LDARC O2 wireless system

- Wireless packet refresh time : 7.5ms
- Communication data rate : 1Mbps
- Channel resolution : 11bit (2048)
- PWM maximum range : 900us ~ 1500us ~ 2100us (±125%)
- Total channels of O2 system : 16 channels (CT01 only use CH1~8)

8 channels hardware define

- 2 linear channels : ST and TH
- 3 channels with 3 gears : SWA、SWB、SWC
- 1 channel with 2 gears : SWD
- 1 trigger channel : SWE
- 1 virtual potentiometer channel : SV1

