

MANUAL

TINY R7TM

- * Texas Instruments DRV8850 brush motor driver, 5A continuous 8A peak-drive current each way
- * Support Flip Over
- * VTX include lap timer (need LDARC's LT1000 lap timer gate)

Motor protocol must use DSHOT300

TINY R7TM Configuration

Wheelbase: 75mm

Prop: 1545-4

Motor Driver: Texas Instruments DRV8850 brush motor driver, 5A continuous 8A peak-drive current each way

VTX: 25mW 32CH include lap timer (need LDARC's LT1000 lap timer gate)

Camera: 199C(800TVL 150°)







Motor: 820 Brushed(16000KV)












Battery: 3.8V 550mAh 50C










Charger: 1-WAY 4.2V/4.35V Charger

Receiver options: ①NO RX, ②AC900, ③RX2A

Package List

PNP					
					
R7TM*1	Battery*1	1-WAY 4.2V/4.35V Charger*1	Prop tool*1	Wire(PH2.0)*2	1545-4blades*2pairs

RTF+G1 FPV					
					
R7TM*1	Battery*1	Handbag R10*1	1-WAY 4.2V/4.35V Charger*1	EXB*1	G1 FPV GOGGLES*1
					
Prop tool*1	Wire(PH2.0)*2	1545-4blades*2pairs	18650*1	Parts	

RTF				
				
R7TM*1	Battery*1	Handbag R10*1	1-WAY 4.2V/4.35V Charger*1	EXB*1
				
Prop tool*1	Wire(PH2.0)*2	1545-4blades*2pairs	Parts	

Motor

M4(CW)

Red&Blue
wire

M2(CCW)

Black&White
wire



M3(CCW)

Black&White
wire

M1(CW)

Red&Blue
wire

Clockwise motor(CW)



Counterclockwise motor(CCW)



Note: Pay attention to the direction of motor and prop

Please replace the power plug after 100 flight or power plug changed black.



Transmitter

1. 5CH SA : switch to DIS-ARM (fly) or ARM (forbidden to fly)
2. 6CH SB : three-stage mode switch
3. Flip over function: 5CH SA switch to ARM position, and then 7CH SC switch to ON position, switch the 5CH SA to the DIS-ARM position to implement the flip over function.



VTX

Q25TMQ 25mW 32CH VTX include lap timer

Need LDARC's LT1000 lap timer gate, details of LT1000 please visit website

<http://note.youdao.com/groupshare/?token=C9CDEA62AC604211B4B72270D06925A98&gid=119274086>

Click the button after power on can change the frequency point

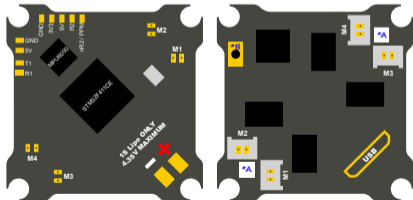
■ ■ ■ 5800Mhz	■ ■ ■ 5806Mhz	■ ■ ■ 5847Mhz	■ ■ ■ 5790Mhz
■ ■ ■ 5828Mhz	■ ■ ■ 5843Mhz	■ ■ ■ 5740Mhz	■ ■ ■ 5820Mhz
■ ■ ■ 5733Mhz	■ ■ ■ 5866Mhz	■ ■ ■ 5760Mhz	■ ■ ■ 5860Mhz
■ ■ ■ 5769Mhz	■ ■ ■ 5745Mhz	■ ■ ■ 5780Mhz	■ ■ ■ 5752Mhz
■ ■ ■ 5362Mhz	■ ■ ■ 5510Mhz	■ ■ ■ 5695Mhz	■ ■ ■ 5905Mhz
■ ■ ■ 5400Mhz	■ ■ ■ 5547Mhz	■ ■ ■ 5705Mhz	■ ■ ■ 5917Mhz
■ ■ ■ 5436Mhz	■ ■ ■ 5584Mhz	■ ■ ■ 5840Mhz	■ ■ ■ 5925Mhz
■ ■ ■ 5473Mhz	■ ■ ■ 5658Mhz	■ ■ ■ 5880Mhz	■ ■ ■ 5945Mhz

FC

MOTOR PROTOCOL MUST USE DSHOT300

Flight controller F411-B2 use LDARC's custom betafight firmware please download the .hex file here

<http://note.youdao.com/groupshare/?token=98A3762FF4FC4883B38C2BD1B366FA80&gid=119274086>



*A 2 onboard WS2812 LED_STRIP

*B into boot loader / DFU mode, first <Enable Expert Mode> then use <activate boot loader / DFU> button in <setup> menu of betafight configurator

After sale service

1. Provide free reparation service when find the product defect after purchase.
2. Provide pay-needed reparation service when product damage because improper operation.
3. China customers please contact with the after-sales service, overseas client please contact the dealer.

PNP/RTF Test report ID :

Flight test

- Transmitter functions properly
- Flying in good condition
- Camera OK
- VTX OK

QC: _____

Package check

- PNP
- RTF
- Frame
- Transmitter
- ID is the same
- All parts of the installation
- Insulating sleeves have been installed manual
- Complete accessories, total _____ packages

QC: _____