



Tactic's FPV-T1 first person video transmitter (Tx) is intended for sending video signals from a camera (available separately) mounted inside an R/C hobby

FPV-T1
5.8GHZ 25mW TRANSMITTER

model to a 5.8GHz receiver (Rx) on the ground. Three bands with a total of 22 frequencies in the 5.8GHz spectrum can be user selected. For optimum use, operate the system away from other 5.8GHz transmitters, in areas having as few obstructions possible between the Tx and Rx. For best signal, use a clean and stable DC power source (battery, voltage regulator, etc.). Allow for maximum space from other electronic components such as ESCs and cables, R/C receivers, high power servos, telemetry radios, etc.

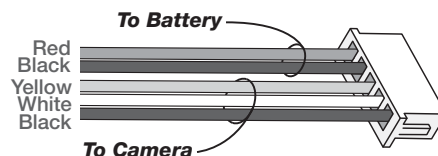
ANTENNA INSTALLATION

Carefully thread the included antenna onto the RP-SMA receptacle on the Tx, being careful not to cross-thread. Turn the mounting screw until snug – do NOT overtighten. Do NOT apply power to the transmitter if the antenna is disconnected as it could cause the Tx to overheat!

CONNECT TO CAMERA AND INPUT POWER

The included Y-wire harness connects the Tx to a camera and battery (both available separately). Attach the adapter's white connector to the Tx. Connection polarities are as follows:

Yellow = Video Red = 7.4-22.2V
White = Audio Black = Ground
Black = Ground



CAMERA CONNECTION: Attach the white/yellow/black wire to the camera's A/V signal output. Make sure the polarities on the camera's input matches those of the adapter. Use the included gray/yellow/black cable extension with USB Mini-B plug if necessary.

BATTERY CONNECTION: Attach the red/black wire to the battery. Use the included cable extension with red connector if necessary. **IMPORTANT:** Make sure polarities match! Do NOT exceed the acceptable input voltage range of 7.4 – 22.2 volts, which can be achieved with a 2S-6S lithium-polymer (LiPo) battery.

SELECT THE CHANNEL/FREQUENCY

Refer to the charts below to determine the frequency to transmit the video signal. The frequency number is shown at the bottom of each switch diagram:

BAND A			
ON 1 2 3 4 5 CH1 5.865G	ON 1 2 3 4 5 CH2 5.845G	ON 1 2 3 4 5 CH3 5.825G	ON 1 2 3 4 5 CH4 5.805G
ON 1 2 3 4 5 CH5 5.785G	ON 1 2 3 4 5 CH6 5.765G	ON 1 2 3 4 5 CH7 5.745G	ON 1 2 3 4 5 CH8 5.745G

BAND B			
ON 1 2 3 4 5 CH1 5.733G	ON 1 2 3 4 5 CH2 5.752G	ON 1 2 3 4 5 CH3 5.771G	ON 1 2 3 4 5 CH4 5.790G
ON 1 2 3 4 5 CH5 5.809G	ON 1 2 3 4 5 CH6 5.828G	ON 1 2 3 4 5 CH7 5.847G	ON 1 2 3 4 5 CH8 5.866G

BAND F			
ON 1 2 3 4 5 CH1 5.740G	ON 1 2 3 4 5 CH2 5.760G	ON 1 2 3 4 5 CH3 5.780G	ON 1 2 3 4 5 CH4 5.800G
ON 1 2 3 4 5 CH5 5.820G	ON 1 2 3 4 5 CH6 5.840G	ON 1 2 3 4 5 CH7 5.860G	ON 1 2 3 4 5 CH8 5.860G

BAND SELECTION: Switches 4 and 5 are used to set either band A, B, or F. Place both switches UP for band A, switch 4 down and switch 5 up for band B, and both switches DOWN for band F.

CHANNEL SELECTION: Switches 1, 2, and 3 are used to set the frequency. Set each respective switch to the location which matches that shown in the chart for band A, B, or F, depending on your desired frequency.

MOUNTING THE TX

Determine the best location to mount this Tx on the model, using double-sided tape, hook-and-loop material, etc. For optimum results, mount the Tx to allow for the least amount of obstructions as possible between the antenna and open air.

WARNING! Keep all components clear of moving parts in/on the model!

FCC STATEMENT

This device complies with part 15.249 of the FCC rules. Changes or modifications not expressly approved by Tactic will void the user's authority to operate this Tx. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Radiation Exposure Statement: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.

CE COMPLIANCE INFORMATION FOR THE EUROPEAN UNION

Instructions for Disposal of Waste Equipment by Private Users in the European Union:

This symbol on the product or its packaging indicates this product must not be disposed of with other household waste. Instead, it is the user's responsibility to dispose of their waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or location where you purchased the product.



Declaration of Conformity:

Product: Tactic FPV-T1 5.8GHz 25mW Transmitter

Item number: TACZ5000



The object of the declaration described here is in conformity with the requirements of the specifications listed below, following the provisions of the European R&TTE Directive 1995/5/EC:

EN 300 440-1 V1.6.1(2010-08) EN 301 489-1 V1.9.2(2011-09)
EN 300 440-2 V1.4.1(2010-08) EN 301 489-3 V1.6.1(2013-08)

SPECIFICATIONS

Input power: 7.4-22.2V (2-6S LiPo)

Channels: 22

Frequencies: 5.733 – 5.866GHz

Output power: 25mW

Antenna gain: 3 dBi

Range: * 300 meters

FCC ID: IYFFPVT1

Dimensions w/case: 37x24x11mm (1.5x1.0x0.4") w/o antenna connection

Weight w/o antenna: 11.2g (0.40 oz.) with case, 6.6g (0.24 oz.) w/o case

* maximum range in open areas free of signal obstructions

1-YEAR LIMITED WARRANTY

Tactic warrants this product to be free from defects in materials and workmanship for a period of one (1) year from the date of purchase.

For service on your Tactic product if purchased in the U.S.A. or Canada, send it postpaid and insured to:

HOBBY SERVICES

3002 N. Apollo Dr., Suite 1

Champaign, IL 61822

Tel: (217) 398-0007 (9:00am - 5:00pm CST, M-F)

E-mail: hobbyservices@hobbico.com

If purchased in the European Union, send it postpaid and insured to:

Service Abteilung Revell GmbH

Henschelstrasse 20-30

32257 Bünde Germany

Tel: 01805 110111 (nur für Deutschland)

Email: Hobbico-Service@Revell.de

- This product is suitable only for people of 14 years and older. This is not a toy!
- **WARNING: CHOKING HAZARD** - May contain small parts. Keep away from children under 3 years. Please retain packaging for future reference.
- No part of this manual may be reproduced in any form without prior permission.
- The contents of this manual are subject to change without prior notice.
- Tactic is not responsible for the use of this product.

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