

EACHINE TX526

EACHINE TX526 5.8G 40CH AV Wireless FPV Transmitter User Manual

Model: TX526

INTRODUCTION

This manual provides comprehensive instructions for the proper setup, operation, and maintenance of your EACHINE TX526 5.8G 40CH AV Wireless FPV Transmitter. Please read this manual thoroughly before using the device to ensure safe and optimal performance.

PRODUCT OVERVIEW

Package Contents



Image: The EACHINE TX526 FPV Transmitter, a detachable antenna, a multi-wire connection cable, and the product instruction manual are included in the package.

- EACHINE TX526 FPV Transmitter
- RP-SMA Female Antenna
- Multi-wire Connection Cable
- Product Instruction Manual

Key Features



Image: The product packaging lists key features of the TX526 transmitter.

- 40CH Raceband support
- Super mini size for compact installations
- Button control for easy channel and power adjustment
- One screen display for clear status indication
- High stability for reliable video transmission
- Switchable power output: 25mW / 200mW / 600mW

SETUP

Component Identification



Image: A detailed view of the TX526 transmitter's connection pads, labeled GND, Audio, Video, GND, and 7-24V.

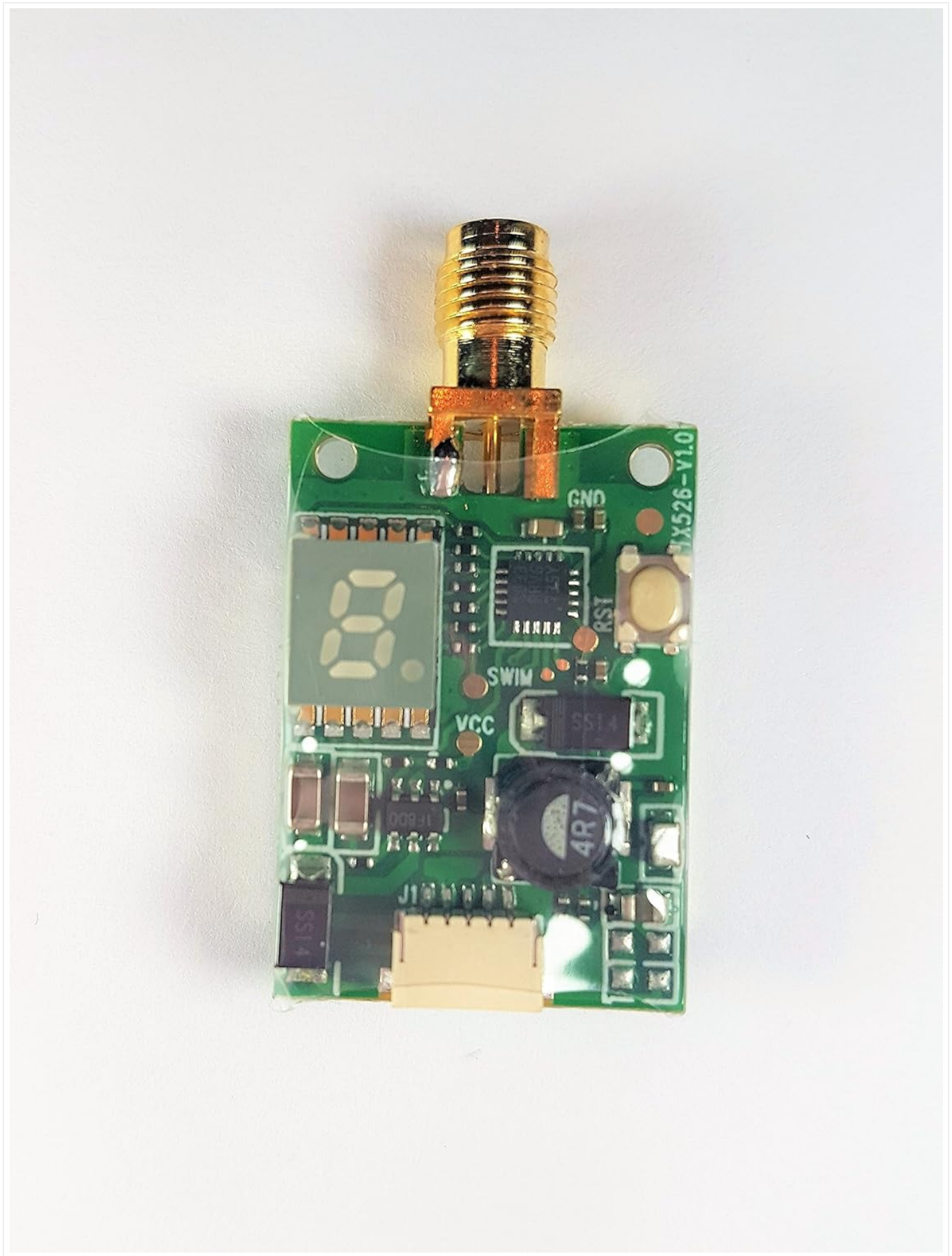


Image: The reverse side of the TX526 transmitter, showing the digital LED display and the control button.

Wiring Diagram

Connect the supplied multi-wire cable to the transmitter's pin header according to the following pinout:

Pin	Function	Description
1	GND	Ground connection
2	Audio	Audio input from camera/microphone (if applicable)
3	Video	Video input from FPV camera
4	GND	Ground connection
5	7-24V	Power input (DC 7V to 24V)

Ensure correct polarity when connecting power. Incorrect wiring can damage the transmitter.

Antenna Connection

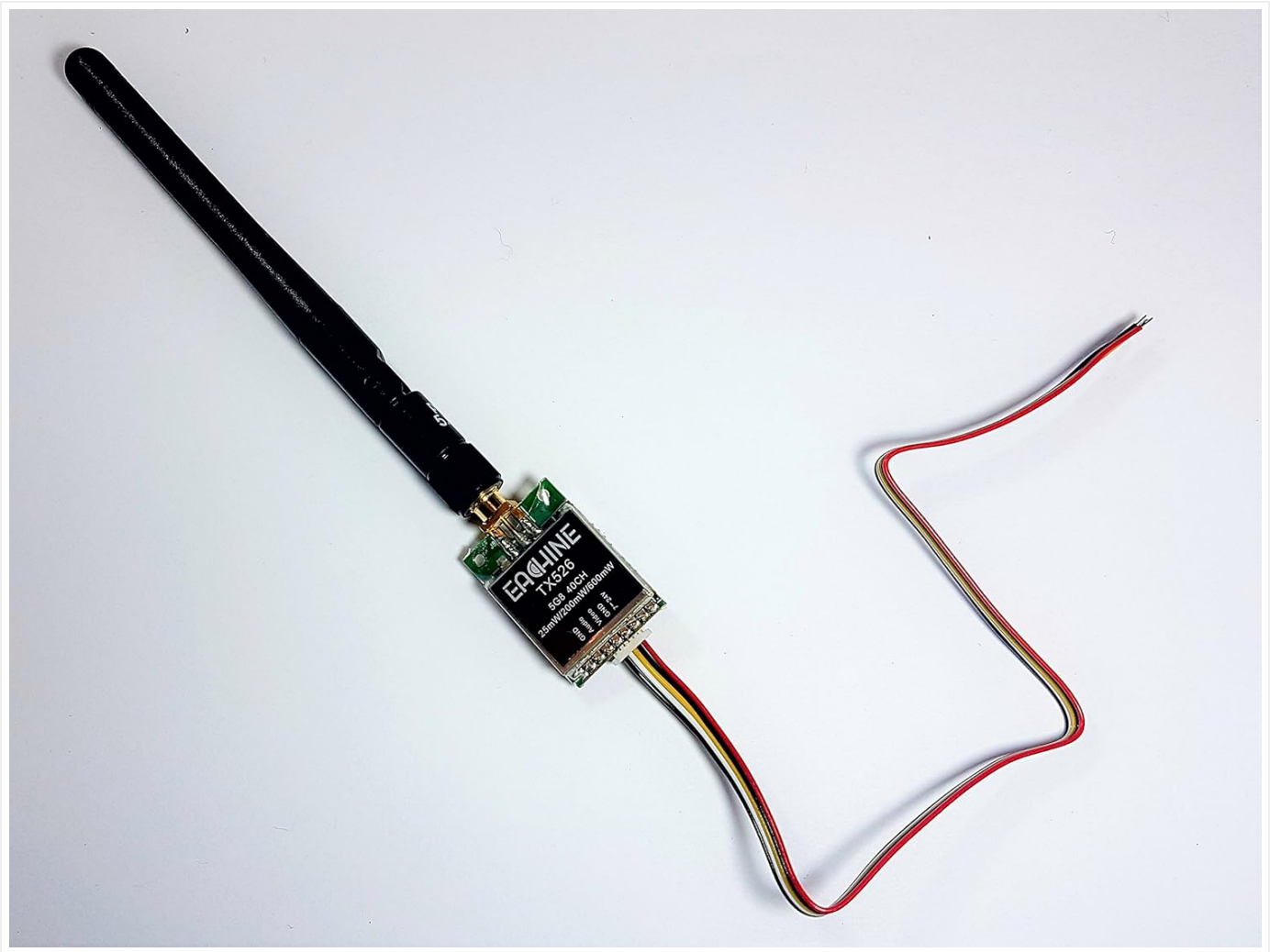


Image: The TX526 transmitter with its antenna securely attached and the power/signal cable connected.

Carefully screw the supplied RP-SMA antenna onto the transmitter's antenna connector. Ensure it is finger-tight to prevent signal loss. **Never power on the transmitter without an antenna connected** as this can permanently damage the device.

OPERATING INSTRUCTIONS

Powering On

Once all connections are secure, apply power (7-24V DC) to the transmitter. The LED display will illuminate, indicating the

current channel and band.

Changing Channels and Bands

The TX526 features a single button for controlling channel and band selection.

- **Short Press:** A short press of the button will cycle through the channels (1-8) within the current band. The LED display will update to show the new channel number.
- **Long Press (2-3 seconds):** A long press of the button will cycle through the available frequency bands (A, B, E, F, R). The LED display will show the band letter (e.g., 'A', 'b', 'E', 'F', 'r') for a moment before returning to the channel number.

Refer to the frequency table below for specific frequencies per channel and band.

Changing Power Output

The TX526 allows switching between 25mW, 200mW, and 600mW output power. The method for changing power output is typically a very long press or a specific button combination. *(Note: Specific button sequence for power output change is not detailed in provided images. Refer to the physical manual for precise instructions.)*

Higher power output provides greater range but consumes more battery and generates more heat. Always ensure adequate airflow around the transmitter, especially at higher power settings.

MAINTENANCE

- Keep the transmitter clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Avoid exposing the transmitter to extreme temperatures, humidity, or direct sunlight.
- Ensure all connections (antenna, power, video) are secure before each use.
- Regularly inspect the antenna for damage. A damaged antenna can significantly reduce performance.
- Do not attempt to open the transmitter casing, as this may void the warranty and cause damage.

TROUBLESHOOTING

No Video Signal

- Check all wiring connections, especially power and video input.
- Ensure the antenna is securely connected to the transmitter.
- Verify that your FPV receiver is on the same frequency and band as the transmitter.
- Confirm that the FPV camera is powered and functioning correctly.
- Check the power output setting; a very low setting might result in poor range.

Poor Video Quality / Static

- Ensure there are no obstructions between the transmitter and receiver.
- Check for interference from other 5.8GHz devices or strong Wi-Fi signals.
- Verify that both transmitter and receiver antennas are correctly oriented (e.g., vertical polarization).
- Consider increasing the power output of the transmitter if range is an issue.
- Inspect antennas for damage or bends.

Transmitter Overheating

- Ensure adequate airflow around the transmitter, especially when operating at 600mW.
- Avoid enclosing the transmitter in tight spaces without ventilation.

- Confirm the input voltage is within the specified 7-24V range.

SPECIFICATIONS

Feature	Detail
Model	EACHINE TX526
Frequency	5.8GHz
Channels	40CH (Raceband compatible)
Power Output	25mW / 200mW / 600mW (Switchable)
Input Voltage	DC 7V - 24V
Antenna Connector	RP-SMA Female
Dimensions	Approximately 11.7 x 7.4 x 2.5 cm (Package Dimensions)
Weight	Approximately 45 g (Item Weight)

Note: Specifications are subject to change without prior notice.

WARRANTY AND SUPPORT

For warranty information, technical support, or further inquiries, please visit the official EACHINE website or contact your retailer.

Official Website: <http://www.eachine.com>



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5.8GHz 40CH power switchable among Zero,25,20 and 600mW mini video transmitter SP862 with racing band

Don't Buy Yet!

LED display

button

Via Powered on, indicate "0" means it is off status without any transmission.

One frequency stands for 25mW
Two frequency stands for 200mW
Three frequency stands for 600mW

Press to change Channel

Press to change Frequency

Long press for 5s (till LED display flicker)about press to change power

Features:

- Locks on CH: Green A, B, C, F, stands and all frequency compatible
- 20mW, 200mW, 600mW switchable
- One button control power, or (stand) and on
- One digital display to indicate power, or use on
- Tiny size

Specification:

- 20mm(L) x 45mm(W) x 8mm(H) mini size (main board)
- Video Format: PAL/NTSC
- Working Current: (stand) 220mA & 200mW 300mA & 600mW 350mA @ 1.5V
- Operating Voltage: 1-3.0V
- Audio Center Frequency: 4.5MHz
- Video Input Level: 1.0Vp-p (std.)
- Video Input Impedance: 75 Ohm
- Audio Input Level: 1.0Vp-p
- Audio Input Impedance: 10K Ohm
- Antenna Connector: 5P J55A Male Connector
- Weight: 6.5g

[Eachine SP862 5.8GHz 40CH 600mW FPV Video Transmitter - Technical Specifications and Features](#)

Detailed information on the Eachine SP862 FPV transmitter, including its 5.8GHz 40CH capability, switchable power (25mW, 200mW, 600mW), tiny size, and operation instructions. Ideal for FPV racing.

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Printables

TX526 Strix Alatus Mount

VIEW IN BROWSER

Summary

This is a mount to attach an eachine tx526 to a strix alatus flying wing. The bottom is open to keep good airflow to...

Hobby & Makers > RC & Robotics

Tags: eachine strix alatus tx526

This is a mount to attach an eachine tx526 to a strix alatus flying wing. The bottom is open to keep good airflow to the transmitter. The zip tie holes are tiny and fit the dollar tree tool bench zip ties. You will definitely need to print with supports.

Print Settings

Printer Brand: Prusa

Printer: Prusa MK2

Rafts: No

[\[pdf\]](#)

Printables TX526 Strix Alatus Mount by LB Download free STL model 100918 tx526 strix alatus mount a50d05e2 e6c9 4a24 bf25 3c0865afda9f files printables media prints s |||

LY N O L E D O M D 3 **TX526** Strix Alatus Mount LB VIEW IN BROWSER updated 12. 4. 2022 published 21. 12. 2021 Summary This is a mount to attach an eachine **tx526** to an strix alatus flying wing. The bottom is open to keep good airflow to... Hobby Makers RC Robotics Tags: eachine strix alatus t...

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5.8GHz 40CH power switchable among Zero,25,20 and 600mW mini video transmitter SP862 with racing band

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[\[pdf\]](#) User Manual Specifications

Administrator manual sp862 eng v2 flymod net |||

5.8GHz 40CH power switchable among Zero,25,20 and 600mW mini video transmitter SP862 with racing ban ... FR5 5658MHz 5695MHz 5732MHz 5769MHz 5806MHz 5843MHz 5880MHz 5917MHz Package Included: 1x Eachine **TX526** FPV Transmitter 1x Antenna 1x 5P Cable 1x Manual Operation Instruction: 1. Powering on the vtx...

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