AT-6 TEXAN EP

Requires: 5-channel radio w/ 5 micro servos, Outrunner Motor KM0283010 w/ Propeller Adaptor HW2340100, 20A brushless ESC, 3 cells 11.1V, 2100 mAh Li-Po battery & charger.

Specifications

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<tr>
<td>Wing Span</td>
<td>44 in / 1120 mm</td>
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<tr>
<td>Wing Area</td>
<td>295 sq in / 19 sq dm</td>
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<tr>
<td>Flying Weight</td>
<td>31 oz / 870 g</td>
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<tr>
<td>Fuselage Length</td>
<td>31.5 in / 800 mm</td>
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* Specifications are subject to change without notice.*

Warning! This model is not a toy.

It is designed for maximum performance. Please seek advice if one is not familiar with this kind of electric powered precision model. Operating this model without prior preparation may cause injuries. Remember, safety is the most important thing. Always keep this instruction manual at hand for quick reference.
BEFORE YOU BEGIN

1. Read through the manual before you begin, so you will have an overall idea of what to do.

2. Check all parts. If you find any defective or missing parts contact your local dealer. Please DRY FIT and check for defects for all parts that will require CA or Epoxy for final assembly. Any parts you find to be defective after the gluing process may be difficult to remove for warranty replacement. The manufacturer will replace any defective parts, but will not extend to the parts that are good before gluing to defective parts during assembly. Warranty will not cover any parts modified by customer.

3. Symbols used throughout this instruction manual comprise of the following:

- **Apply epoxy glue.**
- **Apply instant glue** (C.A.glue, super glue.)
- **Apply thread locker**
- **Must be purchased separately!**
- **Assemble left and right sides the same way.**
- **Ensure smooth non-binding movement while assembling.**
- **Peel off shaded portion covering film.**
- **Cut off shaded portion.**
- **Drill holes with the specified diameter (here: 3mm).**
- **Pierce the shaded portion covering film.**
- **Pay close attention here!**
- **Warning! Do not overlook this symbol!**
Parts List

1. MAIN WING -- 1 pc.
2. RETRACTABLE LANDING GEAR -- 1 pair
   MAIN WHEEL Ø40mm -- 2 pcs
   RETRACTABLE LANDING GEAR COVER -- 2 sets
3. LINKAGE CONNECTOR Ø2.1mm w/ Set Screw -- 2 sets
4. SERVO MOUNTING PANEL -- 1 pair
   SCREW PA1.7x8mm -- 8 pcs
   SCREW PB2x16mm -- 4 pcs
   FUEL TUBE d2xD4x4mm -- 4 pcs
   STRAPER -- 2 pcs
   CLEVIS -- 2 pcs
   HORN -- 2 sets
   PUSHROD Ø1.4x48.5mm w/ Threads (For Aileron) -- 2 pcs
5. STABILIZER & ELEVATOR -- 1 set
   FUSELAGE -- 1 pc.
   ELEVATOR PL4510010 -- 1 pc.
   SCREW PB2x8mm -- 2 pcs
   BALSA 4x11.9x24mm -- 1 pc.
6. VERTICAL FIN & RUDDER -- 1 pc.
7. TAIL LANDING GEAR -- 1 set
   TAIL WHEEL Ø23mm -- 1 pc.
   PLASTIC COLLAR d1xD5x2mm -- 2 pcs
   SCREW PA2x8mm -- 2 pcs
   ALUMINUM PLATE 0.3mm -- 1 pc.
   SCREW PM2x8mm -- 1 pc.
   M2 NUT -- 1 pc.
8. PUSHROD Ø1.4x414mm w/ Threads (For Rudder) -- 1 pc.
   FUEL TUBE d2xD4x4mm -- 1 pc.
   CLEVIS -- 1 pc.
   HORN -- 1 set
   SCREW PB2x8mm -- 2 pcs
9. PUSHROD Ø1.4x398mm w/ Threads (For Elevator) -- 1 pc.
   FUEL TUBE d2xD4x4mm -- 1 pc.
   CLEVIS -- 1 pc.
10. SOCKET HEAD SCREW M2.5x8mm -- 4 pcs
    WASHER d3xD7mm -- 8 pcs
    SCREW PM3x6mm -- 4 pcs
    FOLDING PROPELLER SET (10x6) -- 1 set
    COWLING -- 1 pc.
    SCREW PWA2x8mm -- 4 pcs
    EP SPINNER NUT Ø15mm -- 1 set
    MOTOR MOUNT (For 400 Size Model) -- 1 pc.
11. FUEL TUBE d2xD4x4mm -- 2 pcs
    STRAPER -- 2 pcs
    SPONGE 10x50x150mm -- 2 pcs
    DOUBLE-SIDED TAPE 30x35mm -- 1 pc.
    BATTERY TIE -- 1 pc.
12. NYLON BOLT PM2.5x20mm -- 2 pcs
    NYLON WASHER d2.6xD9mm -- 2 pcs
    PLASTIC PLATE 1x25x50mm (Wing Protection) -- 1 pc.
13. CANOPY -- 1 pc.
    PILOT (PC101042B) -- 1 pc.
    SCREW PWA2x8mm -- 4 pcs
    CARB INTAKE -- 1 pc.
14. DECALS E269XMDEC -- 1 set
    COVERING--
    LIGHTEX SGX 201 BLACK
    LIGHTEX SGX 331 CUB YELLOW

E269XMPO24481007 P.2
1 Main Wing

- Apply instant type CA glue to both sides of each hinge.

![Main Wing]

2 Retractable Landing Gear

![Retractable Landing Gear]
3. Retract Servo

- Please refer to attached sheet for linkage connector installation.

4. Aileron Servo

- Ø1mm pilot holes for World Models horn are pre-drilled.
- Please look for pin-hole marks at under side of control surfaces.

- Please choose either 02L & 02R or 03L & 03R or 04L & 04R that suits your servo.
5 Stabilizer & Elevator

- Apply instant type CA glue to both sides of each hinge.

- Ø1mm pilot holes for World Models horn are pre-drilled. Please look for pin-hole marks at under side of control surfaces.

- Temporary install the main wing, adjust leveling of the stabilizer to make it as parallel to the main wing as possible.

6 Vertical Fin & Rudder

- Apply instant type CA glue to both sides of each hinge.
7 Tail Landing Gear

- **PA2x8mm Screw**: 2
- **PM2x8mm Screw**: 1
- **M2 Nut**: 1

![Bottom View](image)

8 Rudder Pushrod

- **Ø1mm pilot holes for World Models horn are pre-drilled.**
- **Please look for pin-hole marks at under side of control surfaces.**

![Bottom View](image)

9 Elevator Pushrod

- **Ø1mm pilot holes for World Models horn are pre-drilled.**
- **Please look for pin-hole marks at under side of control surfaces.**

![Bottom View](image)
10 Outrunner Motor / Cowling

M2.5x8mm Socket Head Screw 4
PWA2x8mm Screw 4
PM2x12mm Screw 2
PM3x6mm Screw 4
d3xD7mm Washer 8

- Make sure rotating motor casing is not in contact with wirings or anything.

TWM KC2025A02A
25A Brushless ESC

PM3x6mm d3xD7mm Washer

M2.5x8mm

Propeller Adaptor (d3xD5)
HW2340100

Optional Parts

- Don’t over-tighten the PM2 screws, let the propeller blades align themselves when spinning.

M5 Nut

Completed

PM2x12mm

PM2x12mm

PWA2x8mm

Spinner Nut Ø15x25mm

- Completed
Radio Equipment

- 20A Brushless ESC
- Receiver
- Battery

Main Wing

- Nylon Bolt d2.6xD9mm x 2
- Nylon Washer x 2
- Plastic Plate 1x23x74mm
- Nylon Bolt PM2.5x20mm
- Nylon Washer d2.6xD9mm
13 Canopy

PWA2x8mm Screw

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Canopy

Carb Intake

L/R

14 Wing Setting

Adjust the wing and fuselage configuration as shown in the diagrams.

![Diagram of aircraft wing setting with measurements](image_url)

A=A' B=B' C=C'
15 Control Throws

- Adjust the control throws as shown in the diagram. These throws are good for general flying. You can adjust according to your personal preference.

- Elevator: 10mm, 10mm
- Rudder: 15mm, 15mm
- Ailerons: 6mm, 6mm

16 C.G.

- The ideal C.G. position is 76mm (3 in.) behind the leading edge measured at where the wing meets the fuselage. In order to obtain the C.G. specified, add weight to the fuselage or move the battery position. Check the C.G. before flying.

- Measure C.G. with the wheels in retracted position.

Warning!

Important Safety Precautions

- First time flyer should never fly by himself/herself. Assistance from experienced flyer is absolutely necessary.

- Pre-flight adjustment must be done before flying, it is very dangerous to fly a badly pre-adjusted aircraft.

- **AT-6 Texan EP** is specially designed to be powered by KM0283010 Outrunner Motor.

- Make sure the air field is spacious, never fly the plane too close to people and never get too close to a running propeller. Extreme caution should be exercised when working with electric powered models. Make sure the propeller is cleared of all objects, especially your hands before connecting the battery to the model. Make sure you understand the operation of the ESC (Electronic Speed Control) by studying the ESC manual. Once you plug in the battery for electric powered model, always treat the propeller as a rotating one, as accidental movement of the throttle stick will spin the propeller and could cause injuries.

- If you find wrinkles on the covering as a result of weather changes, you can use hot iron to remove the wrinkles. Please begin with lower temperature setting and gradually raise the temperature until the wrinkles are gone. Too hot an iron may damage the covering. Don't use hot iron near the seams or edges, hot iron will melt the glue and shrink the covering at the same time, causing the seams to pull away.

- Check and re-tighten up all factory assembled screws, use thread locker if necessary.