

Weekender
by **HITEC**

XTRA 300S

OPERATION MANUAL Ver 1.0



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SECTION 1

INTRODUCTION

Thank you for purchasing the Weekender Extra 300S radio controlled model. The Extra 300S is the perfect answer for the novice pilot looking to expand into the world of aerobatic flight. Built with a pre-painted, durable EPO airframe and featuring a powerful brushless motor, the Extra 300S promises hours of weekend high-flying fun!

Warning, Caution, Tip and Note Boxes



Warning



Caution



Tip



Note

Warning: Be sure to read this section for your own safety.

Caution: Be sure to read this section to prevent accidents and damage to your model.

Tip: This section will help you maximize the performance of your model.

Note: This section will provide more detailed explanations.



Caution

The Weekender Extra 300S is a radio control model plane designed for novice pilots over the age of 14. Improper assembly or user negligence can lead to serious injury and/or property damage to yourself or other persons. Weekender is not responsible for any damages or injuries caused by the user's negligence or improper assembly of the model. Be sure to read the instruction manual thoroughly before assembly and flying.



Caution

Safety is of the utmost importance when flying any model aircraft. Third party insurance is mandatory. If you join a model club or association, suitable coverage will usually be available through the organization. It is your personal responsibility to ensure that your insurance is adequate (i.e. that its coverage includes powered model aircraft). Always fly in such a way that you do not endanger yourself or others. Bear in mind that even the best RC systems are subject to outside interference. No matter how many years of accident-free flying you have, there is always the possibility of an unforeseen problem or error that can cause an accident. Make it your job to keep your models and your radio control system in perfect operating condition at all times. Check and observe the correct charging procedure for the batteries you are using.

Before every flight, check that the wings and the tail panels are attached and firmly seated. Also check to make sure that each control surface is operating correctly.



Warning

Flying Your Aircraft

- You should only fly at an official model airfield.
- Check that other pilots and spectators are positioned safely before flying your model.
- Wait for other pilots to land their models if they are flying already.
- Do not fly the plane behind yourself or others.
- Do not fly under the influence of alcohol or drugs or if you are feeling ill.
- Do not fly during thunderstorms or high wind.
- Do not fly in an area where people are gathered or near tall buildings.
- Do not fly near streets or where vehicles or trains pass by.
- Do not fly near explosive materials.
- Do not fly near power lines or transmission towers.
- Be sure to do pre-flight safety checks of the model before flying.
- Always remember that the pilot is responsible for any outcome that may occur during the flight.



Caution



Tip

FEATURES AND SPECIFICATIONS

Features

- Durable pre-painted EPO airframe can easily be assembled in less than 45 minutes
- Powerful preinstalled brushless outrunner motor and 50Amp ESC gives the Extra 300S plenty of power for aerobatic flight
- Preinstalled 17 gram micro servos
- Removable cowl for ease of motor and ESC access
- 8 Minute + runtimes when used with recommended battery

Specifications

- Wingspan: 47.2 in (1200 mm)
- Length: 42.5 in (1088 mm)
- Weight: 3.1 lb (1400 g)
- Wing Area: 418 sq in (26.97 dm²)
- Wing Loading: 17.1 oz/sq ft (52.1 g/dm²)
- Assembly Time: <45 minutes

ITEMS REQUIRED TO READY THIS MODEL FOR FLIGHT



The Weekender Extra 300S is a Plug and Play (P2GO) type model that requires additional items for operation. The items listed below are needed to fly.

- 4-Channel Radio and Receiver
- 3 ~ 4S, 11.1 ~ 14.4V, 2200 ~ 2500mAh LiPo Battery
- Charger Suitable for the Battery Above

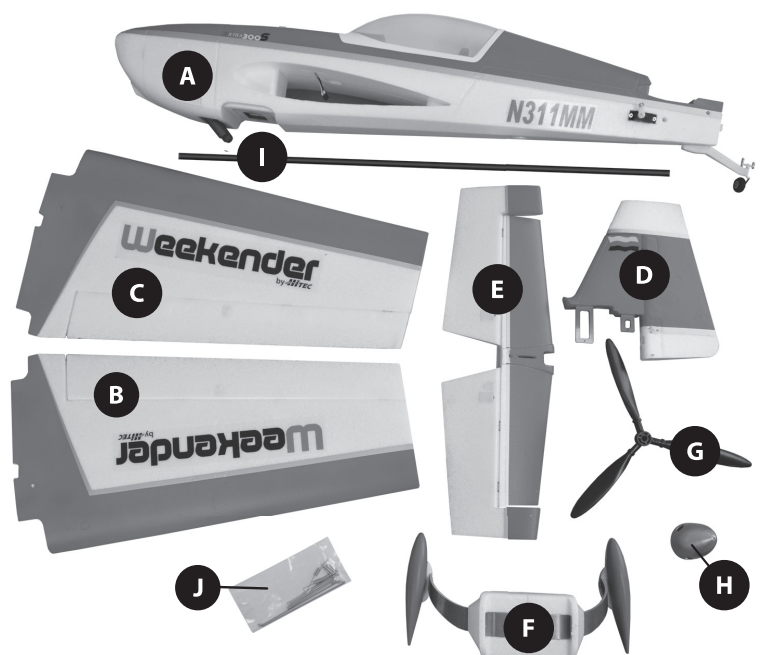
PARTS LAYOUT AND LISTING



Note

Note: Before assembly, it is important that you remove the parts from the packaging and check to make sure that all the parts are included and that they are in good condition.

- A. Fuselage Assembly (includes installed motor & ESC)
- B. Left Wing
- C. Right Wing
- D. Vertical Stabilizer Assembly
- E. Horizontal Stabilizer Assembly
- F. Landing Gear Assembly
- G. Propeller
- H. Hub and Spinner Assembly
- I. 8 x 686 mm Carbon Fiber Spar Tube
- J. Small Parts Package, Includes:
 - i. 4x 3.0 x 15 mm Landing Gear Screws
 - ii. 1x 4.0 x 40 mm Machine Screw
 - iii. 2x 2.6 x 12 mm Horizontal Stabilizer Screws
 - iv. 2x Tail Wheel Control Springs
 - v. 2x Control Linkages (Rudder and Elevator)
 - vi. 2x 4.0 x 75 mm Machine Screws for Wing



SECTION 2

ASSEMBLY INSTRUCTIONS



Caution

Before Assembling the Extra 300S

Keep in mind when assembling and flying the Extra 300S, that radio control model airplanes may cause injury or property damage when improperly flown or mishandled. Always follow the warnings written in the instruction manual. Improper usage could lead to damage and/or failure of the electronic equipment. Be sure to read this instruction manual in its entirety before assembling and flying this model.

Tools Required for Assembly

- #1 Phillips Head Screwdriver
- 1.5 mm Hex Head Screwdriver
- 13 mm Wrench



STEP 1

Step 1: Main Landing Gear Assembly

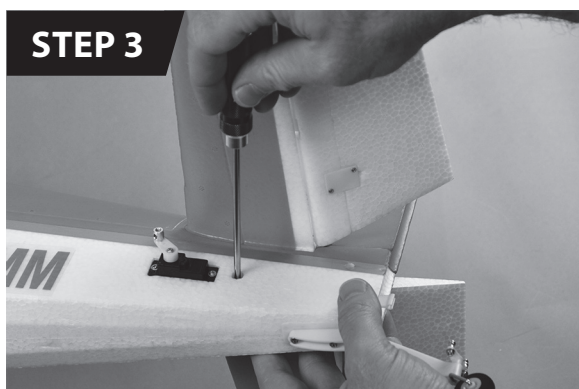
Using a #1 Phillips head screwdriver and the four 3.0 x 15 mm screws, attach the main landing gear to the fuselage.



STEP 2

Step 2: Horizontal Stabilizer Assembly

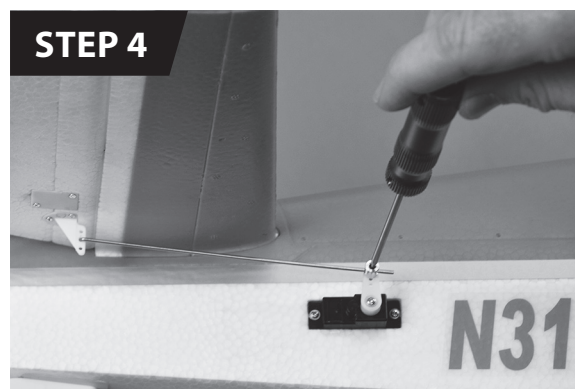
With the control horn facing down, slide the horizontal stabilizer into place and attach to the fuselage with the 4.0 x 40 mm machine screw.



STEP 3

Step 3: Vertical Stabilizer Assembly

Gently slide the vertical stabilizer into the two slots cut into the fuselage and lock it into place using the two 2.6 x 12 mm screws.



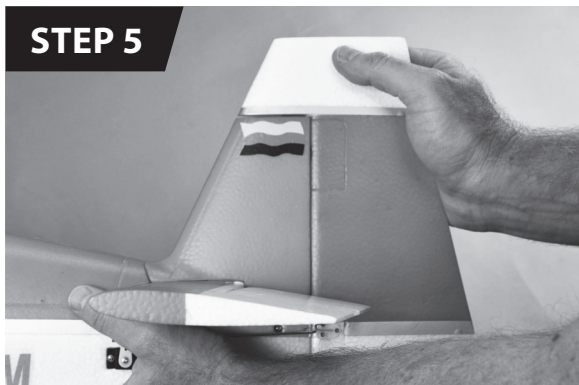
STEP 4

Step 4: Connecting the Elevator Control Arm Linkage

Take one of the control linkages and slide the Z bend through the middle hole of the elevator control horn. Slide the other end into the swivel on the servo. Tighten the screw just enough to hold the wire in position.

ASSEMBLY INSTRUCTIONS (cont.)

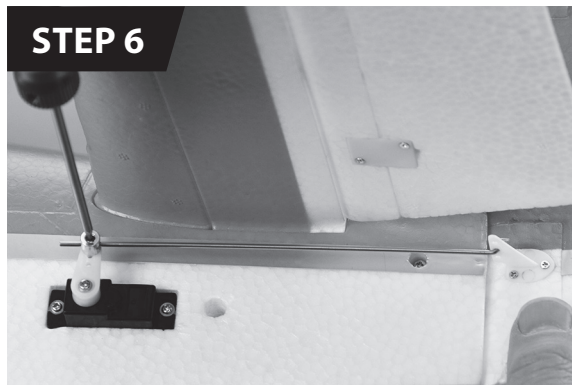
STEP 5



Step 5: Attaching the Rudder

Holding the top of the vertical stabilizer, snap the rudder into place ensuring that it moves freely on the hinges.

STEP 6



Step 6: Connecting the Rudder Control Arm Linkage

Take the remaining control linkage and slide the Z bend through the middle hole of the rudder control horn. Slide the other end into the swivel on the servo. Tighten the screw just enough to hold the wire in position.

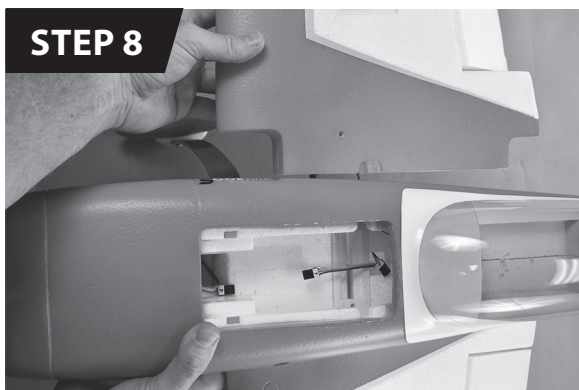
STEP 7



Step 7: Connecting the Tail Wheel

Take the two springs included in the small parts package and insert the Z bend side into the control horns on the rudder. Then slide the straight end into the swivel barrels. Once both sides are installed, line up the rudder and tail wheel in the center position. Now tighten the two screws. We recommend applying a medium strength thread locker to the screws to prevent them from working loose.

STEP 8



Step 8: Main Wing Assembly

Insert the 8 x 686 mm carbon fiber spar tube into one of the wing halves. Slide the wing half into the fuselage making sure to guide the servo lead through the hole in the center. Holding the installed wing half, gently slide the other half onto the spar tube, again making sure to guide the servo lead through the hole in the center. Insert the two 4.0 x 75 mm machined wing retainer screws through the holes in the fuselage. Tighten until snug.



Caution

The screws should slide easily through the holes, if not, make sure the wings are fully seated and together. Do not over tighten the screws, doing so could damage the plane.

ASSEMBLY INSTRUCTIONS (cont.)



Step 9: Propeller Hub and Spinner Assembly

Take the propeller hub and slide it through the base of the spinner assembly, then slide the propeller on the hub and spinner base. Install the washer and nut, do not tighten. Slide this assembly onto the motor shaft and tighten the nut. Place the spinner over the propeller and attach with the supplied screw.



Caution

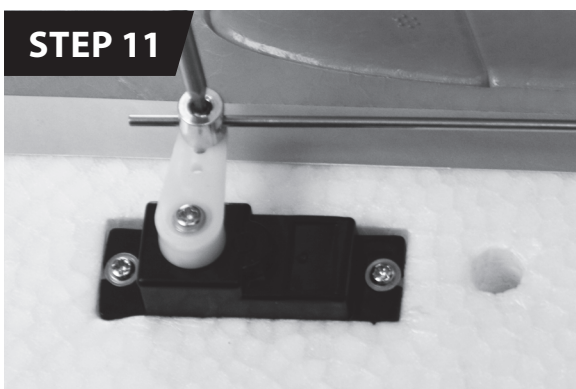
Once tightened, the distance between the cowl and spinner should be about 4 mm. If it is too close to the cowl, damage may occur.



STEP 10

Step 10: Receiver and Battery Installation

Install the receiver into the fuselage and plug in the servo leads. The servo leads are numbered to the corresponding receiver channel. If using a 4-channel receiver, you will need a 6-inch Y extension for the aileron servos. Install the battery into the cavity in the front section of the fuselage as shown above.



STEP 11

Step 11: Centering the Control Surfaces

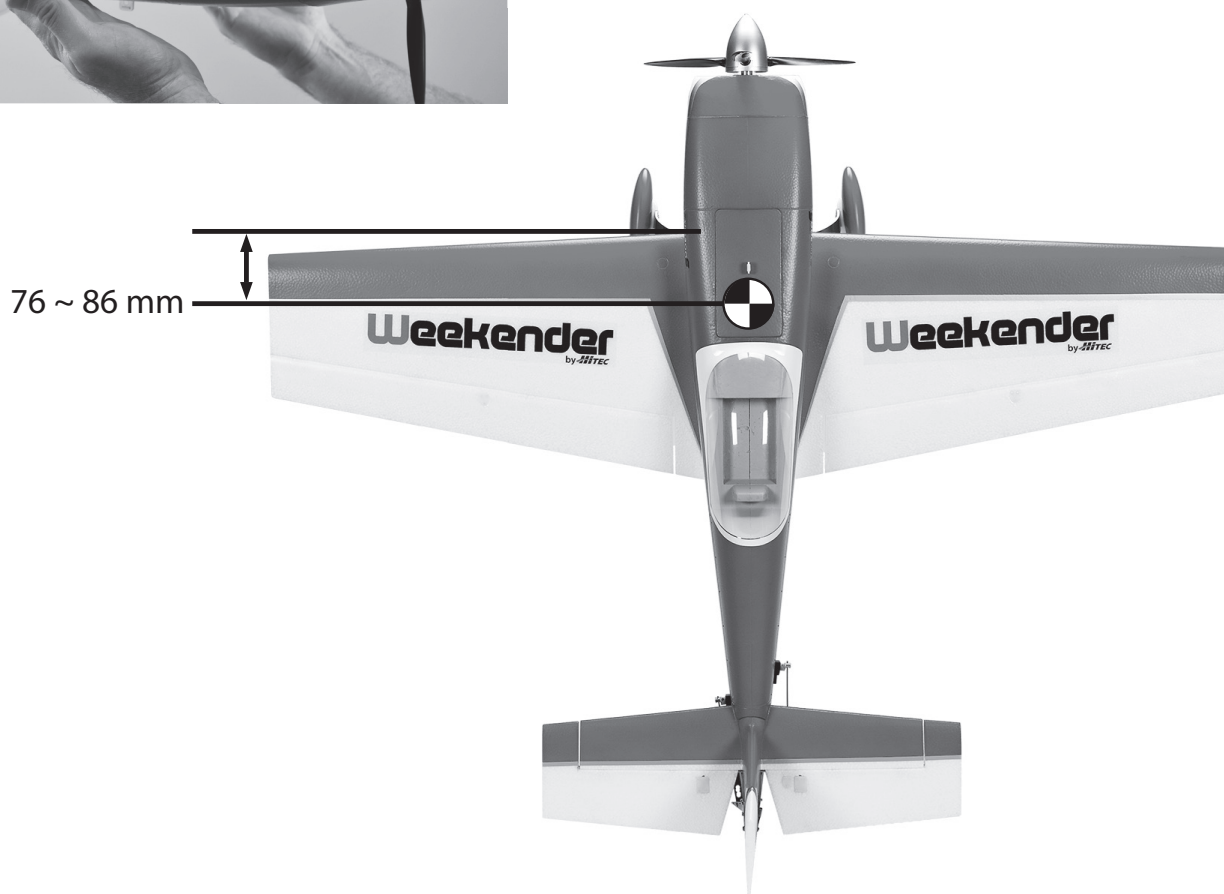
With the throttle stick in the lowest (off) position, plug in the battery to power up your model. Now set the sticks to their neutral position and center the control surface on the airplane. Using a 1.5 mm hex head screwdriver, tighten the grub screws against the linkages. We recommend applying a medium strength thread locker to the screws to prevent them from working loose.

ASSEMBLY INSTRUCTIONS (cont.)



Step 12: Balancing Your Model

Check the center of gravity (CG) on your model by balancing it on your fingers. The CG should be about 3 ~ 3.4 inches (76 ~ 86 mm) behind the leading edge of the model as shown below. You can adjust the CG by moving the battery forward or backwards.



SECTION 3

PREPARING FOR FLIGHT

Speed Control Operation

The ESC is set for optimal performance at the factory and should not be changed. Before connecting the battery, make sure the throttle is in the lowest (off) position. If the throttle is not in the lowest, off position, the speed control will not initialize. If this happens, you will need to disconnect the battery and repeat the initialization sequence.

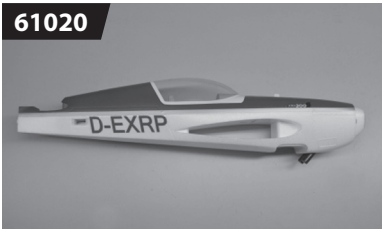
Flying Your Plane

Before taking off, perform a radio range check and make sure all your control surfaces are operating in the proper direction. Take off into the wind and climb to 50 feet to begin your trim out procedures. Once trimmed out, feel free to test the performance of the plane by performing a variety of aerobatic maneuvers.

SECTION 4

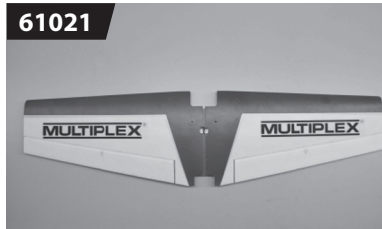
SPARE PARTS

61020



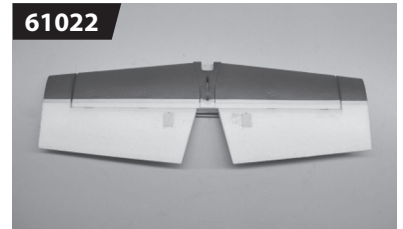
Fuselage

61021



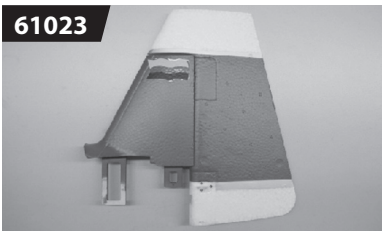
Main Wings

61022



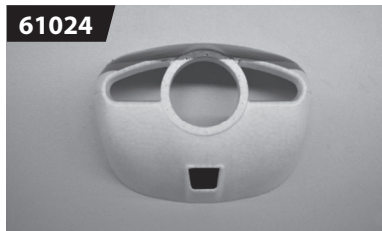
Horizontal Stabilizer

61023



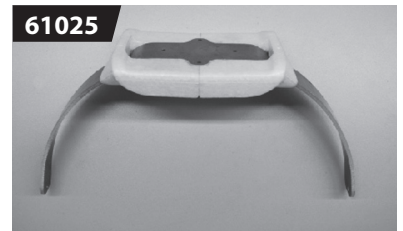
Vertical Stabilizer

61024



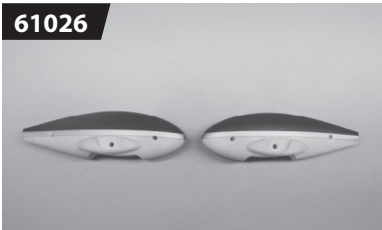
Cowling

61025



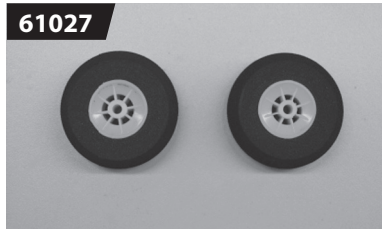
Main Landing Gear

61026



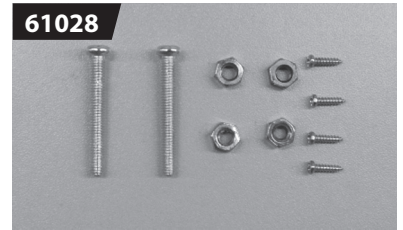
Wheel Covers

61027



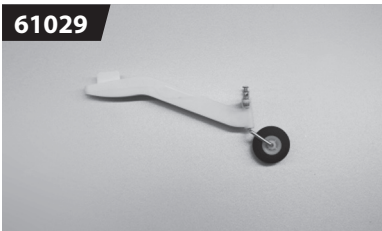
Main Wheels

61028



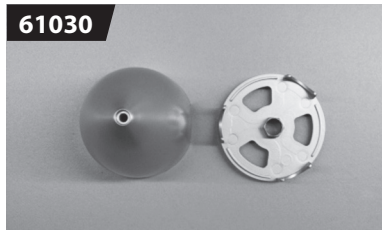
Fixing Screws for Main Wheels

61029



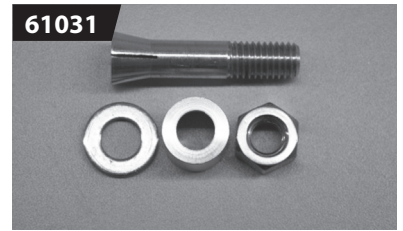
Tail Landing Gear

61030



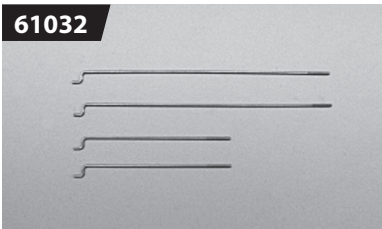
Spinner

61031



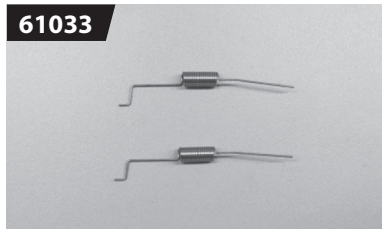
Propeller Connecting Shaft

61032



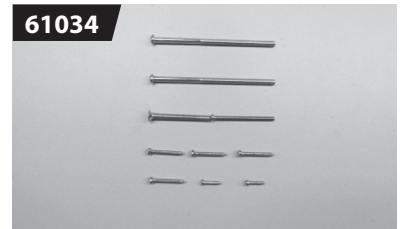
Controlling Linkage Steel Wire

61033



Tail Wheel Springs

61034



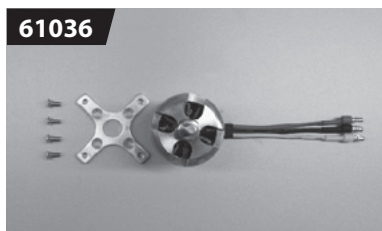
Screws Package

61035



50A Brushless ESC

61036



Brushless Motor D3720-630Kv

SERVICE AND SUPPORT

Weekender by Hitec Customer Service

Help is available from Hitec RCD USA, Inc. Customer Service through phone support: (858) 748-6948 and e-mail: service@hitecrd.com. Our office is generally open Monday through Friday, 8:00 AM to 4:30 PM PST. These hours and days may vary by season. Every attempt is made to answer all incoming service calls. Should you get our voice mail, please leave your name and number and a staff member will return your call.

WARRANTY

LIMITED WARRANTY

Weekender by Hitec guarantees the component parts in this kit to be free from defects in both materials and workmanship that exist at the time of purchase for a period of 90 days from the date of purchase. If any component part fails to function because of defects in materials or workmanship during this period, the manufacturer's obligations are limited, at its discretion, to either, repair or replace the defective part.

This warranty does not cover any component part that has been damaged through use, modification, misuse, abuse, accident or neglect; nor does it cover normal wear and tear. Additionally, this warranty is void if the component part has been altered or modified or repaired by anyone other than Hitec RCD USA, Inc. or its authorized agents.

Hitec RCD USA, Inc. is not responsible for loss of use of the Weekender by Hitec model, or other incidental or consequential damages. Under no circumstances shall the Manufacturer or any of its representatives be held liable for injury to persons or property damage resulting from the assembly of the product or from the use of the final user assembled product. Furthermore, no liability shall be attached to Weekender by Hitec or Hitec RCD USA, Inc. from the use of the final assembled product because: the product operates and is controlled by way of remote radio frequency; and outside radio frequencies may interfere with the product frequency, causing loss of control. Because an out-of-control model has the potential to cause personal injury and property damage, Weekender by Hitec or Hitec RCD USA, Inc. cannot be held liable for personal injury or property damage caused by the use or misuse of Weekender by Hitec model products. By the act of using the user-assembled products, the user accepts all resulting liability. Some states do not allow exclusion of incidental or consequential damages, so the above limitations and exclusion may not apply to you.

Weekender by Hitec and Hitec RCD USA, Inc. hereby exclude any and all express warranties not specifically stated herein and all implied warranties of merchantability and fitness for a particular purpose. There are no warranties which extend beyond the description of the warranties contained within this document.

What to Return

Return only the component part that is defective in materials or workmanship. Please pack the unit carefully and insure it, as this warranty does not cover loss or damage in transit.

**Hitec RCD USA, Inc.
12115 Paine St.
Poway CA, 92064
(858) 748-6948**

XTRA 300S

