

PeregrinE MicroTM

Micro Nostalgic R/C Electric Airplane



PeregrinE[™] Specifications

Wingspan: 23.7 in. Length: 18.4 in. Wing Area: 100 sq. in. Weight (Ready to Fly): 1.8 oz. Wing Loading: 2.6 oz. / sq. ft.

Version 1.0, February 16, 2011

WARRANTY

Mountain Models guarantees this kit to be free from any defects in both material and workmanship at the time of purchase. This warranty does not cover ANY components or parts damaged by use or modification. In no case shall Mountain Model's liability exceed the original cost of the purchased kit. Mountain Models reserves the right to modify or change this warranty without notice.

LIABILITY RELEASE

In that Mountain Models has no control over the final assembly or material used for final assembly, no liability shall be assumed or accepted for any damage resulting from the use by the user of the final user-assembled product. By the act of using the user-assembled product, the user accepts all resulting liability.

If the buyer is not prepared to accept the liability associated with the use of this product, the buyer is advised to return the kit immediately in new and unused condition.

THIS PRODUCT IS NOT INTENDED FOR CHILDREN 12 YEARS OF AGE OR YOUNGER.

WARNING: This product may contain chemicals known to the State of California to cause cancer and or birth defects or other reproductive harm.

PRODUCT SUPPORT

This product has been designed to function properly and perform as advertised with the SUGGESTED power system, speed control, and servos, as described in advertisements and in this manual. We do NOT support, nor can Mountain Models assist in determining the suitability or use with any other electronics or hardware not recommended by Mountain Models.

For the proper electronics to complete this model, replacement parts, and product assembly questions, please contact Mountain Models online at <u>www.MountainModels.com</u>

Thank you for purchasing the Mountain Models PeregrinE[™] Micro. The PeregrinE[™] is a micro model designed to bring back that nostalgic feeling of yesteryear, in an indoor electric package. Taking inspiration from many different planes of the past, we developed the 23.7 inch PeregrinE[™], which resulted in a super easy to fly, lightweight, and nostalgic indoor electric R/C airplane.

The PeregrinE[™] was designed using a state of the art 3D CAD package, to allow for exceptional interlocking parts design and fit. 3D design also allows us to provide clearer assembly images, without having to use photos.

The PeregrinE[™] is built from self-jigging interlocking laser cut balsa and plywood parts. It's like a 3D jigsaw puzzle with instructions. Although not needed for building, full size plans are included for reference. If the instructions are read before hand and followed during the build, the Little Bogie[™] can be built up and ready to fly in only a few evenings.

We think you'll like the PeregrinE[™] and look forward to any feedback you might have.

Thank you, Brian Eberwein

Mountain Models 2935 N Lynndale Drive Appleton, WI 54914

www.mountainmodels.com

Phone: 920.840.6036

Before You Begin

Check to make sure that all of your parts are there and in good shape.

Parts List

Number in Kit	Description of Part
Bundled Parts	
1	Laser Cut Parts Sheets (6 Sheets)
2	Plan Sheets (11" x 17")
1	These instructions of course!
Metal (on the back of the wood bundle)	
2	0.020" x 18" Wire
1	1/32" x 12" landing gear wire
Bagged Parts	
3	Wheels
1	1/16" x 1" Shrink Tube
1	1/8" x 4" Dowel
6	#16 Rubber Bands

Building Materials and Tools You Will Need

- Smooth and FLAT work surface
- Wax paper or clear plastic wrap to protect the work surface
- Thin Cyanoacrylate (CA) glue
- Hobby knife with #11 blades
- Needle nose pliers
- Wire cutters
- Sanding block, 320 to 400 grit sandpaper
- Covering Iron

Finishing Materials You Will Need

- SoLite Covering (Do NOT use heavier covering!!!!!!!!) (You can use a light weight tissue covering instead of SoLite)
- Double-Sided Foam Tape
- Hinge Tape (DuBro or Similar)
- Velcro to Mount Battery

Electronics You Will Need

- Power: ParkZone Motor/Gearbox (PKZ3624) for UM P-51/Sukhoi
- Prop: EFL9051 Ultra Micro 130mm x 70mm
- RX/ESC/Servo: ParkZone 'Vapor' PKZ3351 or Spektrum AR6400
- 1S-130 mAh LiPo

General Building Tips

- **READ THE INSTRUCTIONS** all the way through and study the plans **BEFORE** starting any work on the model.
- **PRE-SANDING: BEFORE** removing any parts from the balsa sheets, use a sanding block with 320 grit sandpaper and lightly sand the back of the balsa sheets. Our balsa suppliers have been sending us wood that is over sized, so sanding the backs of the balsa sheets reduces the thickness just slightly and removes any charring from the laser cutting process.
- Tape the plans to your nice clean work surface and cover it with wax paper or plastic wrap. You want to keep your work surface clean and not glue the parts to the plans, right?
- Balsa is a lightweight and fragile wood, so you do need to be careful with it; however, you will also need to use a little bit of force to make everything fit properly, so don't be too timid.
- Do not remove any pieces from the balsa sheets until they're ready to be used. That way, parts won't get mixed up or disappear.
- Do NOT glue anything until told to do so.
- Join all of your pieces using thin CA (Cyanoacrylate) glue, unless we tell you otherwise. In general, only a small amount of CA is necessary to glue parts together.
- Don't over force your pieces together. If they aren't fitting together properly, make sure you have the right pieces and that they are oriented correctly. If needed, you can lightly sand the part to fit after making sure it is the correct part and oriented correctly. On balsa "tabs", you can "pinch" the wood with your fingers to get them to fit in slots. (The tabs might be tighter some times, due to tolerances in wood thickness)
- If you want to remove the charred edges caused by the laser cutting process, lightly dampen a cloth with bleach and gently rub the affected areas. Removing the char will not increase the strength but will make it look better. It also keeps that dark edge from showing under the lightweight coverings. You can also remove it by LIGHTLY sanding with 400 grit sandpaper.



























