

## Construction of your Premier RC Micro Race Gates.

### Assemble your Micro Arch gate.

Place the 3 mm fiberglass rod in one side of your pre assembled base. The arch base comes with a calibration line already attached to the molding fitting.

Connect two 3 mm fiberglass rods together end to end with the metal ferrule, arching them towards the second base.

While holding the connected fiberglass frame in one hand take the gate skin and begin to thread the fiberglass frame through the elastic loops along the top edge of the skin. Thread the entire skin onto the fiberglass frame, while keeping the frame arched upward so that the sections of the frame stay connected.

When you are finished threading the gate skin onto the fiberglass frame, take the end of the last 3 mm fiberglass rod and place it into the second base structure. Tighten the thumbscrews on both base structures until the fiberglass rods are secure. Do not over tighten.

Take the tension lines on each end of the skin and slide them over the thumbscrews on each side of the frame.

### Assemble your Micro Keyhole gate.

Take two of the three 3 mm fiberglass rods that have stops and O-rings pre assembled on them, connect them together at and thread them through several of the elastic loops along the edge of the skin. Careful sliding the O-ring assemblies through the elastic loops, sometimes the stops catch on the tab sleeves but that's OK, just continue working the rod around. Connecting the third 3 mm fiberglass rod together to one end as you thread them through the elastic loops. Hold one end of the 3 mm fiberglass rods firm as you put them together, bending them in a circular shape the gate will start to take shape. When all are in place and you need to make the final connection, force a small bend in the rods so the last two can slide together in a straight line. Adjust your frame so that you have equal spacing of the O-rings on each side of the keyhole.

Set up Tip: You may find it easier to start the key hole by bracing one end of 3 mm fiberglass rods against your body. Connecting the fiberglass rods together end to end while bending the circular shape. If you have difficulties ask a friend to help make the bend.

Thread one 4 mm square fiberglass rod through the O-rings on one side of the keyhole. The end cap on the one end of the square tube should be pointing up. Continue and thread the second upright through the O-rings on the other side of the keyhole.

Place each of 4 mm square fiberglass rods into the pre assembled base and tighten the thumbscrews on both base structures until the fiberglass rods are secure. Do not over tighten.

### Assemble your Micro Flags.

The flags that come with your Premier Micro Race Gates come pre assembled on 3 mm fiberglass rods. However bases for your flags are not included. The simple solution is to secure your flag, with a rubber band, to a sturdy household item such as a soda can or coffee mug. Wooded bases can be fashioned out of scrap wood, or if you have access to a 3D printer a base can be downloaded from our website, [www.premierrc.com](http://www.premierrc.com).

### Special Safety Note:

Remember it is your responsibility to always fly safe. By following the AMA Safety Code, within the United states, you are protected by the Special Rule for Model Aircraft under the 2012 FAA Modernization and Reform Act.

Flying FPV, As long as you continue to follow AMA's safety guidelines for these activities, you can continue to fly, within the United states. Guidelines listed on the FAA UAS website do not negate the modeling activities and related safety procedures established in AMA's community-based safety program. For additional and up to date information on Drone regulations and safety rules, within the United states, you can visit the AMA's website. <http://www.modelaircraft.org>

