

Construction of your Premier RC Key Hole Multirotor Race Gate.

Before you begin empty the contents of the bag and ensure you have everything you need.

For this race gate you should have:

6 x 8 mm fiberglass poles 2 x 9.5 mm 42" fiberglass poles 2 x 12.5 mm 42" fiberglass poles
2 x ABS ground stakes 1 x circular style skin

Decide the location of your gate, making sure it is in line with the flight path of your course.

Now it is time to assemble your gate.

Take two of the 8 mm fiberglass poles, connect them together at and thread them through several of the elastic loops along the edge of the skin. Continue to connecting the 8 mm fiberglass poles together end to end and threading them through the elastic loops. Hold one end of the 8 mm fiberglass poles 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 tubes so the last two can slide together in a straight line.

Set up Tip: You may find it easier to start the key hole by bracing one end of 8 mm fiberglass poles against my foot. Connecting the fiberglass poles together end to end while bending the circular shape. If you have difficulties ask a friend to help make the bend.

Thread the 9.5 mm fiberglass pole through the lower tabs on the face of the key hole skin and continue it up into the top pockets.

Place the 12.5 mm fiberglass poles with the transition metal ferrules up into the lower tabs and connect it with the 9 mm fiberglass poles.

With your gate complete, place it on the ground in its location on the course. This will enable you to position your ABS ground stakes.

Push the ABS ground stakes into the ground until the top of the stake is touching the ground. If the area is very hard and compact you may need a rubber mallet to drive the stakes into the ground. Never use metal hammers to drive the grounds stakes into the ground. This may cause damage to the ABS plastic.

Stand your gate upright and slide the lower portions of the 12.5 mm fiberglass poles into the ABS ground stakes.

For extra support in windy conditions, use tie down lines to add extra support. (see diagram)

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>



