

Construction of your Premier RC Square 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:

2 x 9.5 mm 42" fiberglass poles (no ferrules for vertical supports)	2 x 9.5 mm 42" fiberglass poles (with ferrules for horizontal supports)	2 x 12.5 mm 42" fiberglass poles (with ferrules for vertical supports)
2 x ABS ground stakes	1 x banner 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.

Roll out your Square race gate on the ground. You will notice it has two vertical sleeves, one on each inside edge. Use the two 42", 12.5 mm and two 42", 9.5 mm fiberglass tubes with vinyl end caps. These are your uprights. Slide one upright into each one of the two vertical sleeves.

On the one end of your Square race gate you will find a Velcro tab that closes off the sleeve that runs along the top edge. Take the two remaining 42" fiberglass tubes and connect them end to end by placing the open end into the metal ferrule. Slide the two connected fiberglass tubes into the sleeve at the top edge of the sail.

You will get a better shape to your Square race gate if you can position the fiberglass poles along the top edge of your gate above the vertical uprights.

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. The stakes are attached to a calibration line. Stretch the line tight and set the second stake. 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 ground 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)

Your Premier RC Square Multirotor Race Gate is equipped with mounting holes for LED lighting along the inside edges.

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.mod->



