How the GIZMO is used

Brief description of how the GIZMO system is used

1	Start by setting the angle of the GIZMO arm to the mid-position i.e. about 45 degrees to the mast using the control line and bowsie adjustment reserved for this purpose. Adjust the rig as you would use it for medium winds.

2	Pull on the main sheet so that the GIZMO arm travels to a more horizontal angle. In doing so you will notice it tensions lines to have the following effects:

mainsail camber is reduced
mainsail twist is reduced
mainsail luff tension is increased
headsail twist is reduced
headsail boom sheeting angle is reduced

Releasing the main sheet will return the rig to its original 45 degree setting.

Slackening the control line, with no tension on the main sheet, will have the effects of opposite effect on the rig.

Use the control line to set the arm at the 45 degree position again.

3	Fit the rig to the boat and adjust the winch position and main sheet length so that the rig is sheeted as required for windward sailing and with the GIZMO arm at 45 degrees to the vertical.

4	Slacken the control line to allow the GIZMO arm to turn to 30 degrees from the vertical. When the main sheet is freed off for reaching and running courses, the rig will have more twist and camber. Also for windward courses, if the wind speed falls below the average, then sheeting the rig less closely will allow this extra twist and camber in the rig.

5	When sailing to windward, sheeting fully in will restore the trim for medium winds and sheeting in further will make the rig better adjusted for stronger winds by keeping the twist and camber much the same as it was originally even with the extra load on the sails and rigging.

6	Initially it may be easier to fix the position of the GIZMO arm using the control line and tune the rig and boat without using the GIZMO. When the basic settings for the rig have been learned and you are more

experienced with using the rig it will be easier to experiment with the use of the GIZMO and the extra versatility it permits.

end