

# Upwind Gears Matrix 2010



	1st Gear: Power	2nd Gear: NORMAL	3rd Gear: POINT	4th Gear: DEPOWER
<b>For:</b>	Anytime speed is below targets and need to build speed	Boat at targets or slightly below, still want build	Speed over targets and want to gain height	Overpowered, speed and point below targets
<b>Or:</b>	Accelerating before / after Start Accelerating out of tacks Sailing in bad air Through motor boat wakes	Foot mode for tactical	Point mode for tactical	Going slow, being blown over
<b>Or:</b>	Very light air Light Air with more waves than wind	Light air with flat water Medium breeze with lots of chop	Light air with very flat water Moderate breeze with moderate chop	Moderate air with very flat water Heavy air
<b>Mast</b>	Set outhaul so foot is 4" from centerline of boom Set Cunningham to give SOFT luff with hint of wrinkles Vang off Set Jib halyard to give SOFT luff with hint of wrinkles Set Main halyard as high as possible and still allow space for Cunningham to work	Set outhaul so foot is 2" from centerline of boom Set Cunningham to give SOFT luff with no wrinkles Vang off Set Jib halyard to give SOFT luff with no wrinkles Set Main halyard as high as possible and still allow space for Cunningham to work	Set outhaul so foot is on boom Set Cunningham to give FIRM luff with no wrinkles Vang off Set Jib halyard to give FIRM luff with no wrinkles Set Main halyard as high as possible and still allow space for Cunningham to work	Max outhaul Cunningham full on Vang tight for main ease Set Jib halyard to give FIRM luff with no wrinkles Set Main halyard as high as possible and still allow space for Cunningham to work (see)
<b>Jib</b>	Set jibsheet so mid-leech falls slightly to leeward Jib lead 2 to 3" forward of Default Backstay off	Set jibsheet so mid-leech is parallel to centerline Jib lead DEFAULT position (upper and lower telltales break together when luffing) Play backstay ACTIVELY (from light to mid settings)	Set jibsheet so mid-leech angles slightly to windward Jib lead 2 to 3" aft of Default Put backstay on to middle to hard settings and leave there	Jibsheet same 3rd gear until boat overheels then ease Jib lead 4 to 6" aft of Default Backstay Max on
<b>Main</b>	Set Mainsheet to twist open leech (sight from aft) Boom 2" below centerline (sight from aft) Traveler well above centerline to achieve boom position (see) Top batten falls to leeward (sight from boom up) Top telltale flows 100%	Set mainsheet to start to close leech (sight from aft) Boom on centerline (sight from aft) Traveler slightly above centerline to achieve boom position (see) Top batten parallel to boom (sight from boom up) Top telltale flows 100%	Max trim (leech closed, sight from aft) Boom leeward face on centerline (sight from aft) Traveler slightly above centerline to achieve boom position (see) Top batten angles to windward slightly (sight from boom up) Top telltale flows 50%	Near max trim but eased to manage heel Boom on center played to leeward to manage heel Traveler below centerline but not max (ease main) Top batten falls slightly to leeward Top telltale not relevant
<b>Helm</b>	Steer wide angles, speed more important than point Press on the jib so BOTH telltales straight aft If the windwards lift at all, PRESS, don't try to cheat up	Moderate angle: balance speed and point Windward telltales start to lift No luffing front of jib	Point without dropping below targets Windward telltales at 45 degrees OK to have small luffing in jib	Point but don't pinch approaching waves Windward telltale is straight up most of the time Luffing / large bubble in jib