

# PerfectPass 6.5NG Parameters

## JUMP Parameters

	Nautiques		MasterCraft		Malibu	
	5.7	6.0L	5.7	6.0L	5.7	6.0L
X8U	85	350	85	190	100	350
X8D	250-300	175-225	190-240	175-225	100	250-300
CT	175-190	175-190	175-190	175-190	175-190	175-190
S2%FAST	+40	+45	+40	+40	+40	+40
S2%RTB	0	0	0	0	0	0

1. Boats that run with their bow higher than average tend to have lower drag and require lower X8D values. Similarly, bow low boats have a higher drag and run slightly higher X8D values. X8D represents the "throttle down" response rate when the skier stops pulling.

2. The lower range of X8D values are typically used for Mens 1, Mens II and Open Men skiers.

3. Once engaged, the throttle handle should be pushed forward to provide the system with room to throttle up. For long distance jumpers, it should be moved to full open.

## SALOM/TRICK Parameters

	Nautique		MasterCraft		Malibu	
	5.7	6.0	5.7	6.0	5.7	6.0
CS	730	730	750	750	750	750
CR	1540	1540	1940	1940	1940	1940
SSB	10	10	13	13	16	16
KD	28	28	28	28	28	28
NN	100	100	100	100	100	100

## SLALOM

**CREW ADJUST** (Shortcut) - Highlight Slalom and press Down Key, press Menu Key to return to main screen

**SKIER WEIGHT** (Shortcut) - Press and hold Menu Key

**Additional Slalom Settings** – Highlight Menu Arrow and press UP Key

Crew Weight, Calibrate, SSB, RPM Offset, Wait Time, Previous Times

**More Throttle** – If you see the # replace the > on the Main Slalom Screen, the system is indicating it needs more manual throttle in order to maintain speed. In this case just move the manual throttle forward a little.

**QUICK CALIBRATE** - Highlight Menu Arrow and press Down Key, after a timing pass, skier weight at 0. Press **Up Key** to perform Quick Calibration, system will confirm “pass” or calibrate the speedo only.

## TRICK

**Calibrate** – Used to calibrate the PerfectPass digital speedometer readout. Shortcut to the calibration screen from the Main Trick Screen is to press the DOWN key with the > highlighted.

**KD** – This adjustable parameter controls the “firmness of the Pull”. Higher the number, more aggressive the pull.

**NN** (Paddle Filter Factor) – Represents the “Filter Factor” of the paddle. The higher the value, the more speed samples are taken from the Paddle prior to speed adjustment. If you believe your system is more “nervous” than it should be, try raising the NN. If the speed is floating too much, try lowering NN. This value is shared with Wakeboard Mode. Adjustments made in either mode will change the value in both modes.

## Additional Features – Menu & UP Keys together

**Screen Contrast** – 0 – 5 In bright sun you may have to use a smaller number.

**System Info** – Version, Engine Selection, Water Temperature, System Voltage, System hours

**DEVICE TEST** (Rope Switch, Servo Motor)

**CS & CR** (Control Settings)

CS is a control parameter for the speed based modes. (Trick, Wakeboard and under 24 mph Slalom) This adjustable parameter allows you to tune the engagement of the system so it is ideal for your boat. Heavily weighted boats may need a higher CS to engage and control properly

- You are set for 22 mph, but system overshoots and goes to 26 mph before settling back. CS should be lowered. (Try adjustments of 20 at a time)

- You are set for 23 mph, but boat will not get to 23 mph and engage. CS must be raised to allow for a faster engagement point.

CR is for RPM modes including slalom & jump. In slalom mode your boat will not engage at 34.2 mph, raise CR value.

- If system overshoots speed to far before engaging, lower the setting.