

# PerfectPass 6.5NG Parameters

## JUMP

New Times (Faster Second Segment)

Examples for when towing jumpers over 120 Feet.

Jump Settings	S2%	S2 RTB	CT
Ski Nautique	Faster 60 – 120	Faster 10	190
MasterCraft	Faster 60 – 120	Faster 10	190
Malibu	Faster 60 – 120	Slower 5	190
Others	Faster 60 – 120	Slower 5	190

**Important Tip:** 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.

## X8U & X8D

Typical Values on 2006 DBW Boats

	5.7L	6.0L
X8U	85	650
X8D	275	275

## 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 “fail” If the skier weight is greater than 0 it will 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 k highlighted.

**Kd** – This adjustable parameter controls the “firmness of the Pull”. Higher the number, more aggressive the pull. Normal range 14 – 18.

**NN** (Paddle Filter Factor) – NN is set at 120 and represents the “Filter Factor” of the paddle. The higher the value, the more speed samples are taken from the Paddle prior to speed adjustment. It is rare for NN to require adjustment from Factory setting. 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 Key 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. Factory value on DigitalPro is about 750.

- 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. Factory setting is about 1600.

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.