

2008 - A NEW CHAPTER IS ABOUT TO UNFOLD

Introducing Star Gazer[®] from PerfectPass...Greater things are about to happen.



Star Gazer is the next generation of our legendary Three-Event DigitalPro platform. All new circuitry anchored by an extremely fast ARM 7 Processor combined with GPS Speed Correction delivers an unparalleled skiing and driving experience.

Straight Up Questions and Answers on the development of Star Gazer

Q. How is Slalom different from existing DigitalPro

A. We knew from the outset that the Slalom Mode had to remain RPM Based simply because it is a smoother, more forgiving pull compared to a speed based process. The challenge was to make the existing PerfectPass Slalom Mode "smarter". This was accomplished by integrating "speed overlay" using the paddle wheel signal calibrated for accuracy multiple times per second via a high speed GPS Receiver. This approach combined with developing sophisticated new software running on the Arm 7 Processor resulted in an enhanced pull and driving made incredibly simple.

Q. From the Drivers Seat what has changed

A. Following an initial baseline set up, the driver simply selects the desired speed and is ready to go. There is no longer any need to enter Skier Weight, Kx, SSB, PX, Wind Adjust etc. The slalom switch is no longer required. In addition, the new screen layout is clean and less cluttered. If the boat is taken to another lake, there is no need to re-check baselines.

Q. What has been the response from skiers

A. Virtually every skier who has had an opportunity to ski Star Gazer has commented that it just feels better than existing PerfectPass. "Smoother" and "softer" are

common accolades. Unlike pure speed based systems, the engine remains calm throughout the pass. And if a skier struggles causing an unusually hard pull, Star Gazer will not over-compensate to the detriment of the skier.

Q. What about Timing

A. Star Gazer provides two Timing options to choose from:

1. New Single Magnet Timing which requires just one Smart Timer Sensor and only one magnet at each end of the Slalom course. (Total of two magnets) The system requires one magnet at the entrance gate to activate the timing. Star Gazer software accurately provides full course and all-buoy times. In addition, the possibility of false triggering once the boat has entered the slalom course has been totally eliminated. The Single Magnet method will work properly on courses with one magnet as well as courses with 6 or 8 magnets. Note: PerfectPass will be applying for R Class Approval with USA Water Ski on this format

2. PerfectPass Classic Timing which uses traditional Smart Timer Sensors and six or eight magnets for R Class Tournaments. This version will be eliminated once the Single Magnet format is approved.



The new Slalom screen layout is clean and less cluttered

The New Single Magnet Timing option is the simplest, most accurate in the industry.



....continued from front

Q. Did PerfectPass consider virtual timing using GPS only in Star Gazer

A. GPS technology is not accurate enough to trigger precisely at the center of the entrance buoy. Since PerfectPass has software running to enhance the gate and ball one performance, the precise trigger point at the entrance gate is paramount to the system's overall feel. Giving up on this precision and consistency was not something we were prepared to compromise on.

Q. How is the consistency of the Times

A. You will typically experience times that are actual or within just a few hundreds of actual, pass after pass.

Q. Will Star Gazer be available for older mechanical engines requiring a Servo Motor and Cable

A. Yes. In addition to being available for new DBW engines, *Star Gazer* will be available for virtually all mechanical engines. In fact, almost any existing customer with a PerfectPass DigitalPro System will be able to upgrade with a simple "plug & play" kit. (Includes new Master Module & GPS Receiver) *A Multi Line Display is also required

All existing parts will be compatible with the *Star Gazer* Master Module. However, a Multi Line Display is required. These Displays have been available since July /August 2005 so any system purchased since then will have this style Display.

Q. What about Trick and Jump Modes.

A. Trick mode continues to run via the paddle wheel but performance has been tweaked. There is no need for any calibration as the paddle driven digital speedometer is updated for accuracy by the GPS several times per second. The world record Jump Mode for the coming year remains unchanged.

Q. What about Pricing

A. Final pricing is not yet available, but we estimate pricing for a new *Star Gazer* Mechanical System will run approximately \$1350. A complete DBW System will be about \$1200.

Upgrades to an existing DigitalPro System (DBW or Mechanical) will be priced at about \$400 assuming a new Display is not required.

Q. Availability

A. We expect both systems will be available to the public by February 2008. OEM builders will see product late in 2007.



"We started with the goal of building a simple to use version of DigitalPro without compromising the world renowned pull. The end product has exceeded all expectations"

Eric Horton, P.Eng. President

