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SeaSmart™ gets a Push – vessel NMEA 2000 data now sent directly to the Cloud

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Chetco Digital Instruments has released a new firmware update with PushSmart™ technology for its SeaSmart.net adapters, transporting vessel NMEA 2000 data directly to internet Cloud servers using only existing internet connections including Marina WiFi and Cell based personal Hot Spots. Data uploads (PushSmart™) will be continuous when within range of internet coverage and automatically revert to local storage when connectivity is unavailable. Internal Memory will store up to 10 hours using one minute update intervals and PushSmart™ technology will automatically sync with Cloud Servers when connections are reestablished. User adjustable filtering and adaptive data selection can further increase off-line storage to several hundred hours.

Once vessel data is uploaded to Cloud Servers, follow on processing is available for dynamic Web viewing and analysis such as Map overlays and fault monitoring. “Taking advantage of Cloud services greatly enhances the usability of vessel data which is being collected 24/7” says Chetco Digital CTO Joe Burke. “Registered clients will be able to integrate Live data with other Cloud Services including Google Maps, Weather, and manufacture maintenance schedules” he added. One valuable feature will be the ability for a vessel owner to monitor current and historical operational data using only a Browser Interface.



PushSmart™ technology significantly reduces necessary equipment and creates a very small footprint device with minimal initial costs. The only requirement will be a PushSmart™ enabled SeaSmart adapter and Internet connection. Wireless (WiFi) and Wired (Ethernet) versions of the adapters are available to suit installation requirements. While wireless is very popular, wired Ethernet is often required for larger vessels with steel structures and watertight hatches. All SeaSmart adapters include embedded Web Servers for remote configuration and monitoring as well as FTP and SMTP (email) services. Configuration is as simple as connecting to a NMEA 2000 backbone cable and entering the Internet Gateway Address. PushSmart™ will also take advantage of personal Hot Spots available in modern cell phones by

automatically switching to alternate gateways if the primary connection becomes unavailable.

Chetco Digital Instruments has already created Cloud Servers to accept the incoming PushSmart™ data. Users can register for a free account (limited time only) to access the Live and stored data feeds using any browser interface. Current Cloud services include Google Maps with vessel position/tracking and instrumentation overlays, real time Gauges, and data log playback. Future services may include engine maintenance tracking and performance analysis, voyage/trip logging/tracking, dynamic nautical chart updates and much more. An Online Demo of the Google Maps interface is available at <http://www.seasmart.net/web/pushsmartgooglemapdemo.htm> including a downloadable Windows Media File.

PushSmart™ technology will work with any existing SeaSmart App by running in the back ground thus allowing the user to take full advantage of SeaSmart.net while on board. Currently available apps such as iNavX, NMEARemote, and nGauge also work over any internet connection allowing direct remote access from connected iPads or iPhones. Several PC based apps are also available including vDash and PolarCOM.

PushSmart™ enabled firmware updates will be a free for any currently registered SeaSmart.net customer and be included in all future SeaSmart.net adapters. The compact bus-powered SeaSmart.net adapters are available in both standalone Wireless (802.11 b/g) and wired Ethernet for infrastructure networks. With a footprint of only 4" X 2" X 2" and a power draw of less than 500mA, the water-resistant SeaSmart.net WiFi adapter is perfect for Sail boats or other small craft that demand compact low-impact equipment.

SeaSmart.net products are available directly on-line at www.seasmart.net and www.digitalmarinegauges.com. Pricing starts at \$495 for Ethernet and \$625 for the basic WiFi unit. An optional USB Flash data logging adapter is \$75. Volume and kit pricing is available.

For more information on SeaSmart.Net™ visit www.seasmart.net. For SeaGauge™, and other Chetco Digital Instruments products, and where to buy, see our web site at www.digitalmarinegauges.com, email sales@chetcodigital.com or call 541 469 4783. For information on iNavX visit www.inavx.com.

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Compact NMEA 2000 gateway automatically pushes vessel data to internet cloud servers using existing WiFi HotSpots while logging data when out of range.

“PushSmart technology makes vessel data available to Internet Cloud Servers for advanced analysis and rendering on any Browser device”