Step 14: Use the NMEA 2000 tab to select desired PGNs and parameters to display in each of the 16 channels. Be sure to select the correct Instance for each PGN.



Use the CONNECT icon to start a live session and view of data.



Step 1: Attach the 5-Pin NMEA 2000 drop cable to backbone T connector. Be sure NMEA 2000 Bus has 12 Volt Power as SeaSmart.net is powered directly off the Bus.

Attach RJ45 patch cable from SeaSmart to empty port on Router. Lights will flash as DHCP assigns IP address

Step 2: SeaSmart ENET uses DHCP for initial setup. A network router will automatically assign an IP address. Once link is established (link LED ON).

The label on the bottom of the unit will contain the unit's MAC address (unique serial number) and device web URL

### SeaSmart.Net Ethernet



PostACK \* \* Link PostRea # \* Activity SDWrite Data IN \* ENET

SeaSmart.net NMEA 2000 to ENET Model: SSENETG2040314 MAC 00:1E:C0:B4:04:0A Default IP DHCP Default Network: Infrastructure Default URL: http://SSENETG2 NMEA 2000 Certified ENET CE REPORT: 13L/2014

Step 15: vDash can display both Live data and data from a pre-recorded Log File button.

To view an existing Log File, Click the Playback Button located in the upper left hand corner of the tool palette



Step 16: To view help information on the eight tool pallet buttons, click the logo Icon in the upper Left Hand corner of the title bar and select "About vDash"

The vDash Users Manual is located in the "Documents" folder in the vDash Projects Folder

Step 3: The adapter Web

URL http://SSENETG2 in

Page can be accessed

the address bar of any

then browser settings.

If browser does not show

SeaSmart page then you

device IP address in step 9.

will need to discover the

Step 4: The embedded

web server will present a

accessed by clicking on

Device configuration is

accessed by clicking on

the ADAPTER SETUP

home page where

clusters can be

the dial faces.

link

different instrument

browser. Javascript and

## directly by typing the device CHETCO DIGITAL dical-term Inclusion chapter archie see chapter arcor Archie and arcor Archie and arcor Archie and arcor Archie and archie archie HTML 5 must be enabled in http://SSENETG2 1 V<sup>44</sup> Vitages 1004.5 JUE \* Jackso Robin state State to you has 0055.5 JUE are provide anyon 1 Has Phane Actual Robinson or state for you

Adapter Setup



ENet SeaSmart CD

Step 6: If you wish to use a static IP address then disable DHCP and create a custom Config.





Advanced Marine Instrumentation

# SeaSmart ENET G2 **Quick Start** Guide

Step 7: Enter your new desired static IP address and Router IP address for the Gateway.

CD

Be sure your static IP is within the same network as your router IP or communications will be lost on reboot.

Step 8: After new addresses are entered, scroll down to the bottom and select SAVE.

Next select RESET to reboot device with new custom configurations.

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tomple Intervals	1			
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SeaSmart

ENet

Static IP adddress

Router IP adddress

#### Step 9a

If you need to discover your device IP address because there is no suitable DNS service on your network, you can use your Router Configuration pages to view all attached devices. Note the MAC address on the Seamart label and match to the IP address shown by the router.

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Another method to discover the IP address is by using a free network scanning utility like netScan from www.softperfect.com. Download the latest version or use the copy located in the SeaSmart/utilities folder on the vDash CD



Step 9c: After scanning is complete, netScan will report the IP address of all discovered adapters.

Step 9b: Type the

Network Address of the

attached network to scan.

netScan will send a UDP

broadcast to all devices

on the selected network.

Ad Hoc Networks (WiFi)

will use 169.254.255.255

The IP address can be used by any applications or Browsers to access bus data via TCP/UDP



Range Prom 100 - 15	B , D , O TO 192 , 168 .	0.255 + 24 25 [2]	D Start Scanning ■
IP Address	HOLE NUM	MAC Address	Response 1
ID 85 192.068.0.1	SeeDream-PC	F4-6D-04-EE-06-2C	0 me
122.068.0.50	BRN0016AG435895	00-18-A9-A9-85-98	1 ms
WE 292.168.0.101		04-18-55-76-51-73	1 mm
85 192.168.0.103	SelPC PC	90-18-07-08-51-21	128 ms
#6 192.168.0.120		0C84-DC62-39-8E	129 85
#2 192.168.0.120		4C-60-0E-F7 C8-C8	130 ms
Wi 192.168.0.119		65-C9-76-29-35-47	145 ma
NE 292.168.0.005		90-12-C0-54-04-0A	0 ms
Bi 192.168/0.254		04 A1 51 07 01 05	7 m6
fauly th	medi D Devices 9/9	Scen in	

Step 10: To use a Browser interface to access SeaSmart Web pages, simply type in the obtained IP address into the address bar on the Browser.

A Home Web page will load with three links. Select the instrument graphic ICON to view live data

Step 11: Each page will contain a set of pre-arranged instrument graphics

To modify the instrument style and values displayed, select the clock bar at the bottom for additional options





Step 12: vDash is an application that runs on Windows XP/Vista/7 platforms and can view real-time data in user defined graphical layouts.

One of the many features of vDash is the ability to connect over TCP/UDP to SeaSmart.net adapters and display live NMEA 2000 data.

vDash will allow selection of a wide variety of PGNs and parameters to view.

Themes contains a selection of graphics styles and backgrounds for design of custom display screens

vDash can also data log to disk and POST to Web Servers.

HyperTerminal Applet	
Adobe Photoshop	•
NMEAReader	
DeviceInstaller	
Winsock FTP Client	
vDash Application	
netscan.exe - Shortcut	
SeaSmart_Scan	
Notepad	•
📑 Windows Live Mail	,
Calculator	
All Programs	
Search programs and files	٩

Step 13: Before Connecting to a SeaSmart adapter, vDash Preferences must be set to proper IP Address.

Select Preference Icon in the lower right tool pallet.

Then the Connect Tab

Under TCP, enter the IP address of the SeaSmart adapter and set port number to 10001

This will allow vDash to connect to SeaSmart adapter over the network and view live data



