



N2KAnalyzer® V3

NMEA 2000® Analysis Software

Application Overview

Maretron®
Vessel Monitoring & Control

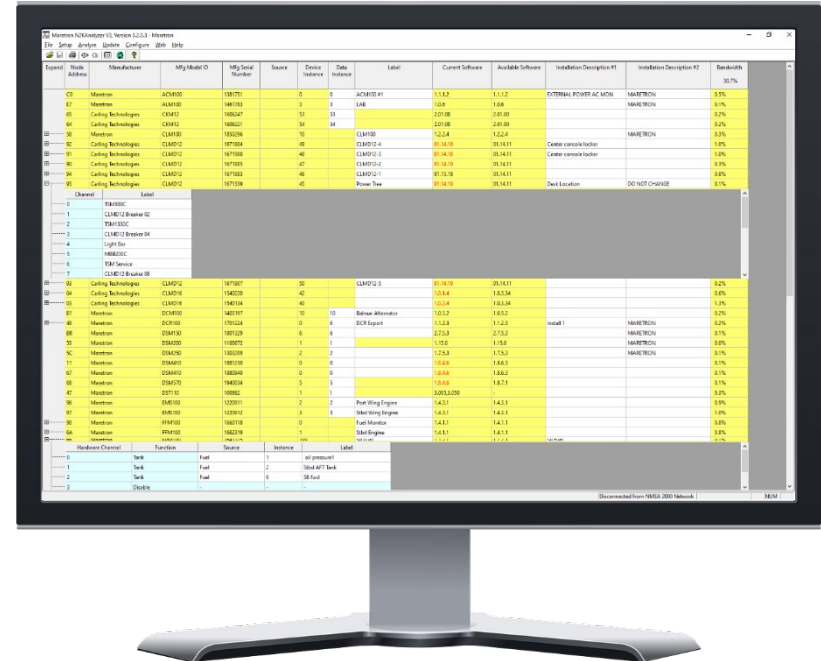
Overview:

- What is N2KAnalyzer?
- Where do I get N2KAnalyzer?
- Connecting to your NMEA 2000® network
- Application Navigation
- Troubleshooting Tools
- Maretron Website & Resources

N2KANALYZER® V3

About

- FREE application that provides a Windows® PC access to the NMEA 2000® network when paired with a Maretron gateway (USB100, IPG100 or MConnect)
- Populates a list of all connected NMEA 2000® devices on the network
- Display a wealth of information for each device for all brands
- Analyze the devices on the network and their transmitted data by each device in an easy-to-understand, human-readable format and to ensure that there are no instancing conflicts between devices.
- Modify source and instance information on devices which support user-programming of this information
- Configure, calibrate and update Maretron, MPower and OctoPlex devices and select devices from other manufacturers, such as Airmar
- Modify installation description information on devices which support user-programming of this information



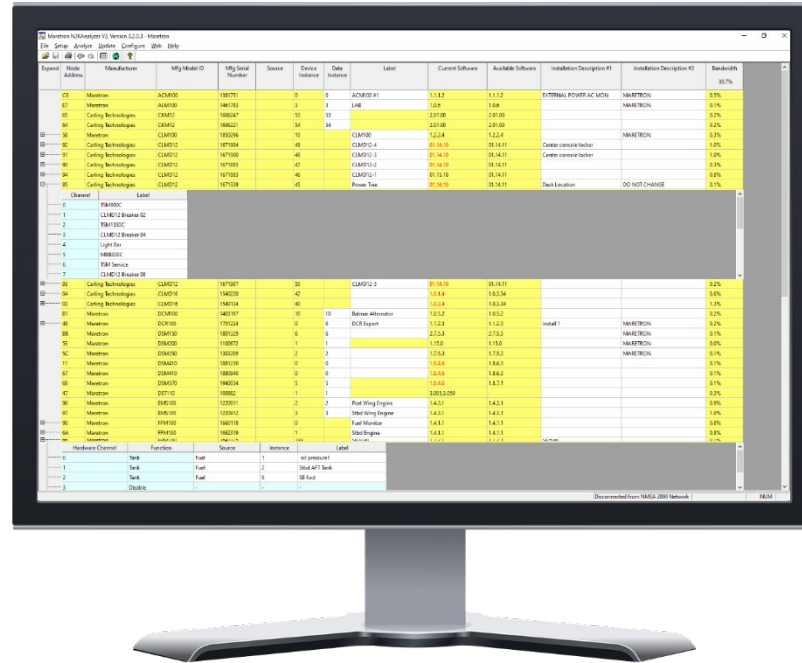
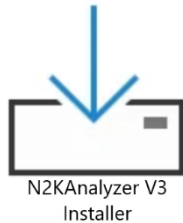
N2KANALYZER® V3

Download

N2KAnalyzer is available to download via the Maretron website

[Maretron.com](https://www.maretron.com)

- Support Tab
- Software Tools
- N2KAnalyzer V3
- Download

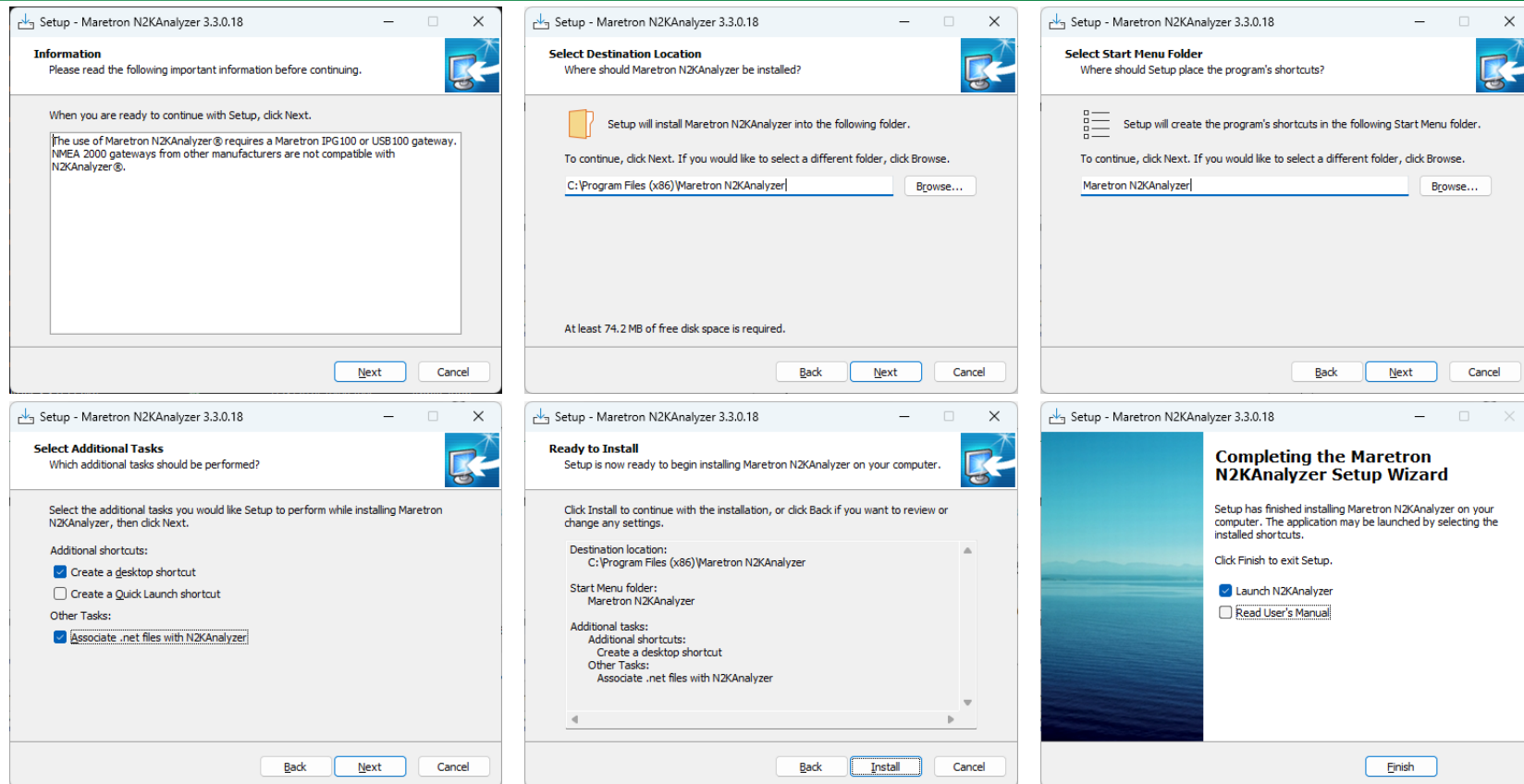


Direct Page for N2KAnalyzer V3

<https://www.maretron.com/products/n2kanalyzer-v3-nmea-2000-analysis-software/>

N2KANALYZER® V3

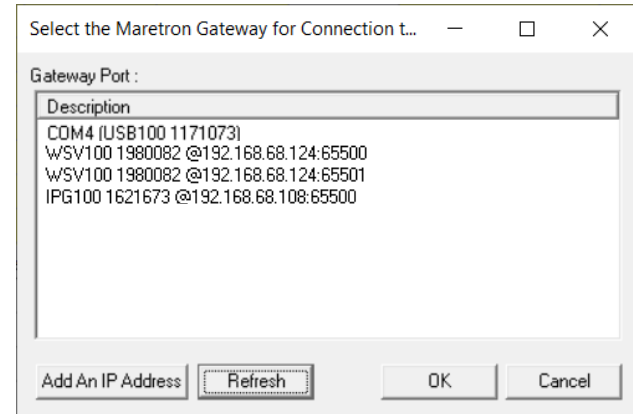
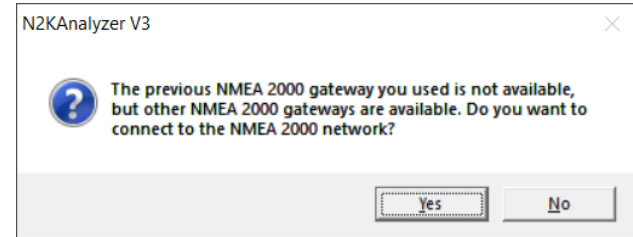
Install



N2KANALYZER® V3

Connecting to NMEA 2000® Network

- When launching N2KAnalyzer® V3, there will be a dialog box asking you to connect to an NMEA 2000® gateway
- Select 'Yes' and select an NMEA 2000® gateway port from the list of detected devices
- Keep in mind that N2KAnalyzer® V3 exclusively works with the Maretron NMEA 2000® gateways, USB100 or IPG100, paired with a PC



N2KANALYZER® V3

Overview

Maretron N2KAnalyzer V3, Version 3.0.8.1

Current Software Version

Expand	Node Address	Manufacturer	Mfg Model ID	Mfg Model Version	Mfg Serial Number	Source	Device Instance	Data Instance	Label	Current Software	Available Software	Installation Description #1	Installation I ^
	C6	Maretron	ACM100	1.0	1381780		1	1	JTL ACM 100	1.1.1.2	1.1.1.2	JTL ACM 100	
	C0	Maretron	ACM100	1.0	1381751		0	0	ACM100 #1h	1.1.1.2	1.1.1.2	EXTERNAL POWER AC MON	MARETRON
	1A	Maretron	ALM100	1.0	1462018		0	0		1.0.6	1.0.6		
	6B	Maretron	ALM100	1.0	1461966		1	1		1.0.6	1.0.6		
	1C	Maretron	ALM100	1.0	1462038		2	2		1.0.6	1.0.6		
	E7	Maretron	ALM100	1.0	1461783		3	3	LAB	1.0.6	1.0.6		MARETRON
	64	Carling Technologies	CKM12	Rev A	1606221		54	54		2.01.00	-		
	65	Carling Technologies	CKM12	Rev A	1606247		53	53		2.01.00	-		
[-]	58	Maretron	CLM100	1.0	1850296		10		CLM100	1.2.2.4	1.2.2.4		MARETRON
[-]	91	Carling Technologies	CLMD12	Rev A	1671885		47		CLMD12 Device Label	01.15.22	01.15.22		
[-]	92	Carling Technologies	CLMD12	Rev A	1671900		48		CLMD12 Device Label	01.15.22	01.15.22	Center console locker	
[-]	93	Carling Technologies	CLMD12	Rev A	1671904		49		CLMD12-4	01.14.10	01.15.22	Center console locker	
[-]	94	Carling Technologies	CLMD12	Rev A	1671883		46		CLMD12-1	01.15.22	01.15.22		
[-]	96	Carling Technologies	CLMD12	Rev A	1671907		50		CLMD12 Device Label	01.15.22	01.15.22		
[-]	95	Carling Technologies	CLMD12	Rev A	1671339		45		Power Tree	01.15.22	01.15.22	Desk Location	MARETRON
[-]	04	Carling Technologies	CLMD16	1.0	1540220		42			1.0.2.4	-		
[-]	03	Carling Technologies	CLMD16	1.0	1540134		40			1.0.2.4	-		
[-]	42	Carling Technologies	DC08 II	Rev C	213252		38		DC08 1	2.0.24	-	Pantry 12V	
[-]	0D	Carling Technologies	DC08 II	Rev C	213429		37		VY72DC3-8-37	2.0.24	-	Port Salon	
[-]	3B	Carling Technologies	DC16 II	Rev C	147950		32		VY72DC1-16-32	2.0.24	-	Salon Entry Center	DVI33
[-]	3D	Carling Technologies	DC16 II	Rev C	147953		35		VY72DC4-16-35	2.0.24	-	Eng Room Stbd Aft Bikh	
[-]	3C	Carling Technologies	DC16 II	Rev C	147952		34		VY72DC3-16-34	2.0.24	-	DC3- Stbd Companionway	DVI 34
[-]	3F	Carling Technologies	DC16 II	Rev C	147954		36		VY72DC5-16-36	2.0.24	-	Stbd Companionway	DVI36

Connected to NMEA 2000 Network 10.71.1.101:65500 NUM

N2KANALYZER® V3

Tabs Navigation

Maretron N2KAnalyzer V3, Version 3.0.8.1 - VesselName

File Setup Analyze Update Configure Web Help

Expand	Node Address	Manufacturer	Mfg Model ID	Mfg Model Version	Mfg Serial Number	Source	Device Instance	Data Instance	Label	Current Software	Available Software	Installation Description #1	Installation I ^
	C6	Maretron	ACM100	1.0	1381780		1	1	JTL ACM 100	1.1.1.2	1.1.1.2	JTL ACM 100	
	C0	Maretron	ACM100	1.0	1381751		0	0	ACM100 #1h	1.1.1.2	1.1.1.2	EXTERNAL POWER AC MON	MARETRON
	1A	Maretron	ALM100	1.0	1462018		0	0		1.0.6	1.0.6		
	6B	Maretron	ALM100	1.0	1461966		1	1		1.0.6	1.0.6		
	1C	Maretron	ALM100	1.0	1462038		2	2		1.0.6	1.0.6		
	E7	Maretron	ALM100	1.0	1461783		3	3	LAB	1.0.6	1.0.6		MARETRON
	64	Carling Technologies	CKM12	Rev A	1606221		54	54		2.01.00	-		
	65	Carling Technologies	CKM12	Rev A	1606247		53	53		2.01.00	-		
+	58	Maretron	CLM100	1.0	1850296		10		CLM100	1.2.2.4	1.2.2.4		MARETRON
+	91	Carling Technologies	CLMD12	Rev A	1671885		47		CLMD12 Device Label	01.15.22	01.15.22		
+	92	Carling Technologies	CLMD12	Rev A	1671900		48		CLMD12 Device Label	01.15.22	01.15.22	Center console locker	
+	93	Carling Technologies	CLMD12	Rev A	1671904		49		CLMD12-4	01.14.10	01.15.22	Center console locker	
+	94	Carling Technologies	CLMD12	Rev A	1671883		46		CLMD12-1	01.15.22	01.15.22		
+	96	Carling Technologies	CLMD12	Rev A	1671907		50		CLMD12 Device Label	01.15.22	01.15.22		
+	95	Carling Technologies	CLMD12	Rev A	1671339		45		Power Tree	01.15.22	01.15.22	Desk Location	MARETRON
+	04	Carling Technologies	CLMD16	1.0	1540220		42			1.0.2.4	-		
+	03	Carling Technologies	CLMD16	1.0	1540134		40			1.0.2.4	-		
+	42	Carling Technologies	DC08 II	Rev C	213252		38		DC08 1	2.0.24	-	Pantry 12V	
+	0D	Carling Technologies	DC08 II	Rev C	213429		37		VY72DC3-8-37	2.0.24	-	Port Salon	
+	3B	Carling Technologies	DC16 II	Rev C	147950		32		VY72DC1-16-32	2.0.24	-	Salon Entry Center	DVI33
+	3D	Carling Technologies	DC16 II	Rev C	147953		35		VY72DC4-16-35	2.0.24	-	Eng Room Stbd Aft Blkhd	
+	3C	Carling Technologies	DC16 II	Rev C	147952		34		VY72DC3-16-34	2.0.24	-	DC3- Stbd Companionway	DVI 34
+	3F	Carling Technologies	DC16 II	Rev C	147954		36		VY72DC5-16-36	2.0.24	-	Stbr Companionway	DVI36

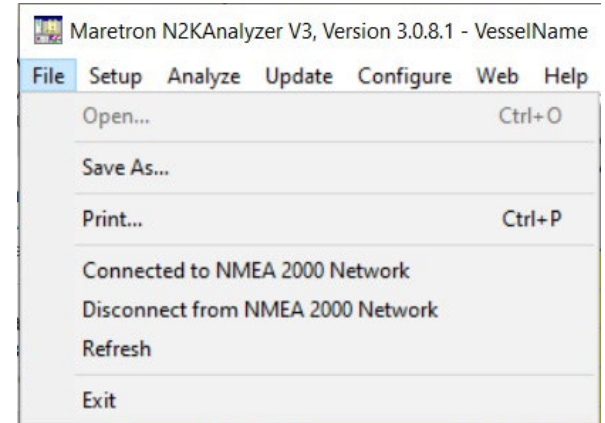
Connected to NMEA 2000 Network 10.71.1.101:65500 NUM

N2KANALYZER® V3

Tab Navigation

File Tab

- **Open** – opens an existing NMEA 2000® network capture
- **Save As** – saves a copy of the actively connected NMEA2000® network
** Keep for your records a backup of all Maretron/Carling device settings as well as a snapshot of all the devices and what they were transmitting at the time
- **Print** – provides a printout of the active screen
- **Connect** – connect to the NMEA2000® network via the last used gateway solution, USB100 or IPG100
- **Disconnect** – disconnect from the NMEA2000® network
- **Refresh** – refresh the list of devices
- **Exit** – exit the application

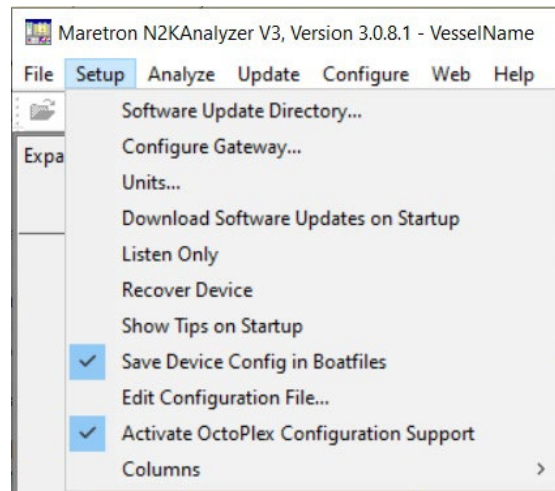


N2KANALYZER® V3

Tab Navigation

Setup Tab

- **Software Update Directory** – defines the location of the update directory
- **Configure Gateway** – modify the NMEA2000® gateway
- **Units** – define the units
- **Download Software Updates on Startup** – enables/disables the application to check for updates on startup
- **Listen Only** – diagnostic mode that does not broadcast a “check in” message for devices and exclusively listens to transmitted data as it is transmitted
- **Recover Device** – recover a Maretron device software
- **Show Tips on Startup** – enables/disables tips to display on startup
- **Save Device Config in Boatfiles** – saves the configuration file of Maretron devices when saving the vessel file
- **Edit Configuration File** – edit application
- **Activate OctoPlex** – activates additional tools for supporting OctoPlex equipment
- **Columns** – adjust viewable columns in the overview window

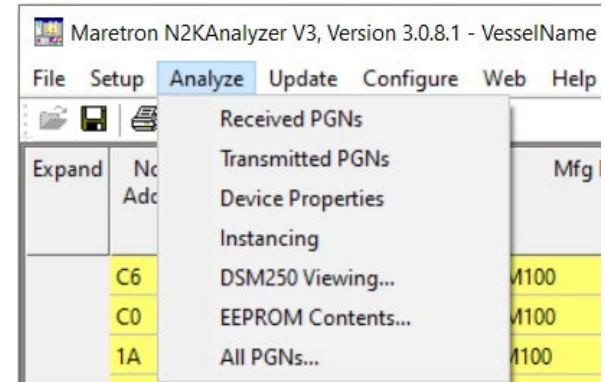


N2KANALYZER® V3

Tab Navigation

Analyze Tab

- **Received PGNs** – once selecting an NMEA2000® device, shows a list of the messages that this device can recognize
- **Transmitted PGNs** – once selecting an NMEA2000® device, shows a list of the messages that this device can transmit
- **Device Properties** – provides a general overview of a selected device
 - Node Address, Manufacture, Part #, Serial #, Software Ver, etc...
- **Instancing** – utility to scan the network information and traffic, searching for conflicting instancing information that may cause displays to report incorrect information. It will open a window that will display conflicts and recommendations for resolving the conflicts
- **DSM250 Viewing** – enables the virtual DSM Emulator for testing data
 - **We will discuss this item further after reviewing DSM operations
- **EEPROM Contents** – allows you to write the EEPROM contents from a supported Maretron device to a HEX file on your hard disk
- **All PGNs** – Provides a list of all transmitted PGNs on the network



N2KANALYZER® V3

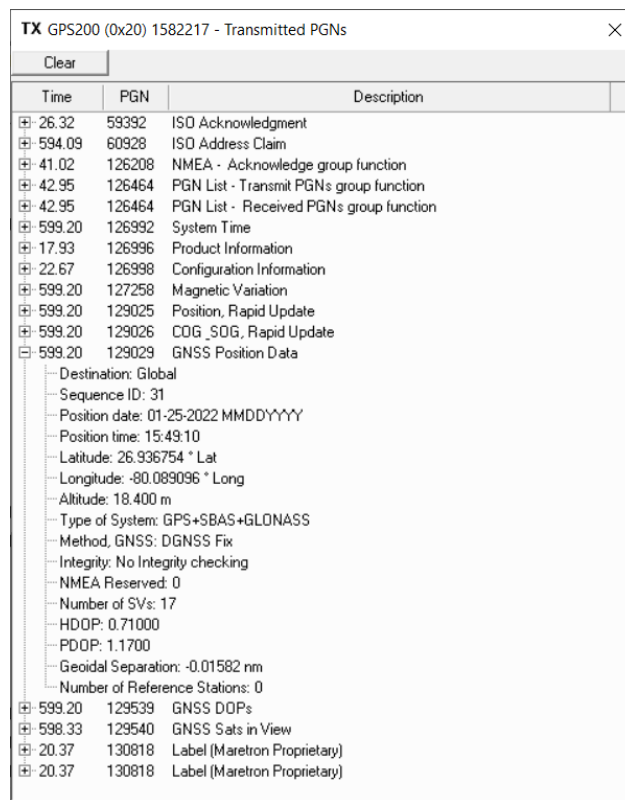
Troubleshooting Tools

The **Transmitted PGNs** feature provides the user with a detailed list of all of the digital content that a single component is providing to the NMEA2000® network.

Within this window it breaks down by the PGN, label adjacent, to itemize and illustrate all the types of data that the device is outputting.

Using the expand (+) will allow you to fully review the contents of most of the listed PGNs, 3rd party proprietary PGNs possibly, to reveal the data within each field.

This allows you to validate if the data source (GPS, compass, tank monitor, battery monitor, engine gateway, etc.) is providing a valid source of information to the NMEA2000® network and for additional equipment to review, such as N2KView® displays, DSM displays or 3rd Party MFDs.



Time	PGN	Description
26.32	59392	ISO Acknowledgment
594.09	60928	ISO Address Claim
41.02	126208	NMEA - Acknowledge group function
42.95	126464	PGN List - Transmit PGNs group function
42.95	126464	PGN List - Received PGNs group function
599.20	126992	System Time
17.93	126996	Product Information
22.67	126998	Configuration Information
599.20	127258	Magnetic Variation
599.20	129025	Position, Rapid Update
599.20	129026	COG, SOG, Rapid Update
599.20	129029	GNSS Position Data
		- Destination: Global
		- Sequence ID: 31
		- Position date: 01-25-2022 MMDDYYYY
		- Position time: 15:49:10
		- Latitude: 26.936754 * Lat
		- Longitude: -80.089096 * Long
		- Altitude: 18.400 m
		- Type of System: GPS+SBAS+GLONASS
		- Method, GNSS: DGNSS Fix
		- Integrity: No Integrity checking
		- NMEA Reserved: 0
		- Number of SVs: 17
		- HDOP: 0.71000
		- PDOP: 1.1700
		- Geoidal Separation: -0.01582 nm
		- Number of Reference Stations: 0
599.20	129539	GNSS DOPs
598.33	129540	GNSS Sats in View
20.37	130818	Label (Maretron Proprietary)
20.37	130818	Label (Maretron Proprietary)

N2KANALYZER® V3

Troubleshooting Tools

The **Instancing** feature scans the entire NMEA 2000® network for conflicts between multiple devices.

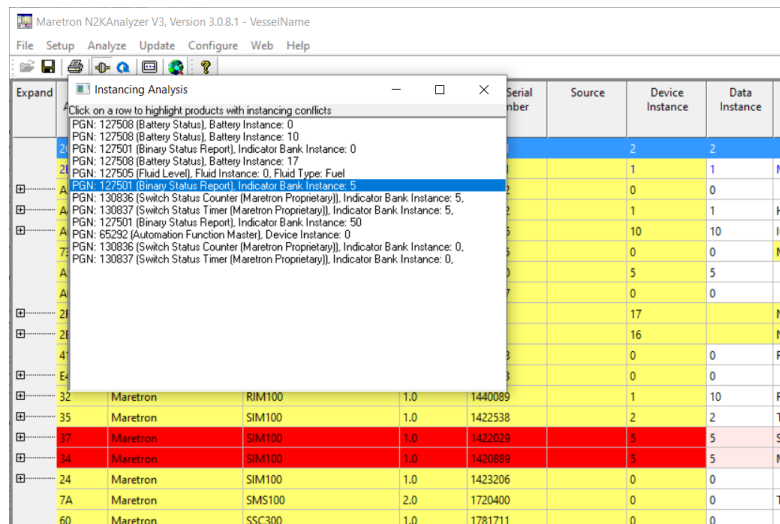
What does this mean? It means when more than a single component transmits the same NMEA 2000® parameter but reporting as the same digital source location.

For example, in order to separate engine data on a network we would set the instance of the Port Engine to 0 and the Stbd Engine to 1. This now separates the content (source) even though they will be transmitting the same/similar content.

If a conflict item is detected, the PGN, label and Instance value will be labeled. Select the parameter on the list and it will highlight the conflicting components on the network.

* Be advised, this could be more than 2 items *

Re-run the instancing tool after making your corrections to verify if all issues have been rectified.



Maretron N2KAnalyzer V3, Version 3.0.8.1 - VesselName

File Setup Analyze Update Configure Web Help

Expand

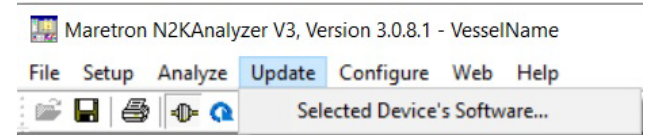
Click on a row to highlight products with instancing conflicts

- PGN: 127508 (Battery Status), Battery Instance: 0
- PGN: 127508 (Battery Status), Battery Instance: 10
- PGN: 127501 (Binary Status Report), Indicator Bank Instance: 0
- PGN: 127508 (Battery Status), Battery Instance: 17
- PGN: 127505 (Fluid Level), Fluid Instance: 0, Fluid Type: Fuel
- PGN: 127501 (Binary Status Report), Indicator Bank Instance: 5
- PGN: 130836 (Switch Status Counter (Maretron Proprietary)), Indicator Bank Instance: 5
- PGN: 130837 (Switch Status Timer (Maretron Proprietary)), Indicator Bank Instance: 5
- PGN: 127501 (Binary Status Report), Indicator Bank Instance: 50
- PGN: 65292 (Automation Function Master), Device Instance: 0
- PGN: 130836 (Switch Status Counter (Maretron Proprietary)), Indicator Bank Instance: 0
- PGN: 130837 (Switch Status Timer (Maretron Proprietary)), Indicator Bank Instance: 0

Serial Number	Source	Device Instance	Data Instance
		2	2
		1	1
		0	0
		1	1
		10	10
		0	0
		5	5
		0	0
		17	
		16	
		0	
		0	
32	Maretron	RIM100	1.0
35	Maretron	SIM100	1.0
37	Maretron	SIM100	1.0
34	Maretron	SIM100	1.0
24	Maretron	SIM100	1.0
7A	Maretron	SMS100	2.0
60	Maretron	SSC300	1.0

Update Tab

- **Selected Device's Software** – when selecting a Maretron device, you will be able to update the unit's software to the latest version that is installed with your N2KAnalyzer application

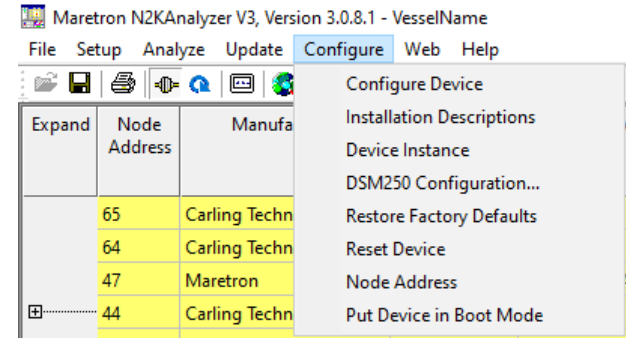


N2KANALYZER® V3

Tab Navigation

Configure Tab

- **Configure Device** – once selecting a Maretron product, provides unique configuration tools/settings applicable for the device
- **Installation Description** – applies installation notes, open text, to apply for an NMEA 2000® device
- **Device Instance** – allows you modify the device/data instance of most NMEA 2000® devices to alleviate data conflict issues
- **DSM250 Configuration** – customize the settings of the virtual DSM emulator
- **Restore Factory Defaults** – once selecting a Maretron product, restores the factory default settings
- **Reset Device** – sends the reboot command to an NMEA 2000® device, does reboot devices that are externally powered



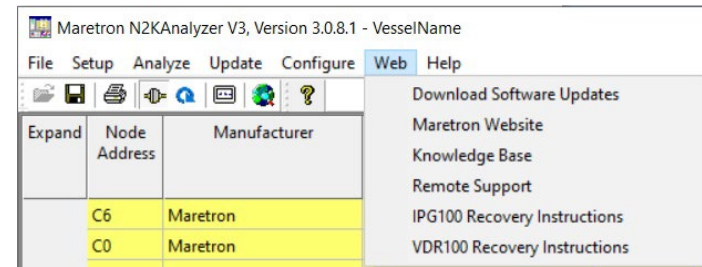
- **Node Address** – service tool that allows you to manually establish Node Address of a specific component
- **Put Device in Boot Mode** – service tool for specific testing and update deployment

N2KANALYZER® V3

Tab Navigation

Web Tab

- **Download Software Updates** – Forces the application to check if a new version of N2KAnalyzer is available to download
- **Maretron Website** – opens the default browser on a PC and navigates to the Maretron homepage
 - www.maretron.com
- **Knowledge Base** – opens the default browser on a PC and navigates to the Maretron technical bulletin
 - <https://www.maretron.com/support/knowledgebase/phpkbv7/index.php>
- **Remote Support** – downloads the latest remote access tool to partner with a Maretron Technician for assistance (TeamViewer)
 - Maretron.com/RemoteSupport
- **IPG100 Recovery Instructions** – provides instructions and latest files for manually restoring the IPG100 network gateway
- **VDR100 Recovery Instructions** – provides instructions and latest files for manually restoring the VDR100 data recorder

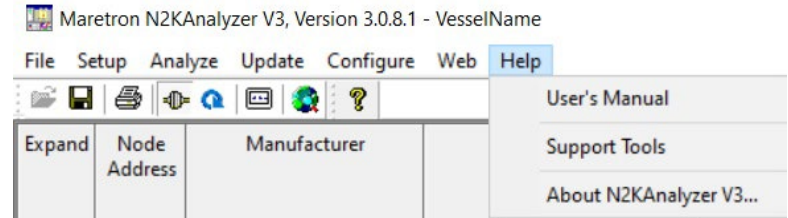


N2KANALYZER® V3

Tab Navigation

Help Tab

- **User's Manual** – opens PDF copy stored within local program files
- **Support Tools** – advanced toolset that is enabled by your Maretron technician for higher level troubleshooting services
- **About** – illustrates current version that is running and the source location of the configuration file, .cfg



N2KANALYZER® V3

Hot Keys

Maretron N2KAnalyzer V3, Version 3.0.8.1 - VesselName

File Setup Analyze Update Configure Web Help



→ **About** – illustrates current version that is running and source location of the configuration file

→ **Download Software Updates** – Forces the application to check if a new version of N2KAnalyzer is available to download

→ **DSM Emulator** – toggles window of the DSM250 Virtual Emulator

→ **Refresh** – refreshes the device list window

→ **Connect/Disconnect** – toggle connection to NMEA 2000® network

→ **Print** – prints the current contents of the Device List Window

→ **Save** – saves a copy of the currently connected NMEA 2000® network

→ **Open** – opens an existing Boat File

N2KANALYZER® V3

Active Gateway

Maretron N2KAnalyzer V3, Version 3.0.8.1 - VesselName

File Setup Analyze Update Configure Web Help

Expand	Node Address	Manufacturer	Mfg Model ID	Mfg Model Version	Mfg Serial Number	Source	Device Instance	Data Instance	Label	Current Software	Available Software	Installation Description #1	Installation Description #2
	29	Maretron	JPG100	1.0	1621171		2	2	Maretron Network	4.1.8.2	4.1.8.2		
	A3	Maretron	JZK100	2.0	1247872		0	0		2.3.1.4	2.3.1.4		
	A4	Maretron	JZK100	2.0	1246222		1	1	HVAC	2.3.1.4	2.3.1.4	Dometic HVA	MARETRON
	A6	Maretron	JZK100	2.0	1247876		10	10	ICE MAKER	2.3.1.4	2.3.1.4	ICE MAKER	MARETRON
	5F	Maretron	MBB300C	1.0	1870315		0	0	MBB300C	4.1.4.6	-	OctoPlex	
	A0	Maretron	NBE100	2.0	1681727		0	0		2.3.1.2	2.3.1.2		
	A5	Maretron											
	2E	Carling Techno											
	2D	Carling Techno											
	C9	Maretron											
	D1	Maretron											
	D2	Maretron											
	D3	Maretron	SIM100	1.0	1420889		2	5	SIM100	1.2.2.2	1.2.2.2		MARETRON
	D0	Maretron	SIM100	1.0	1423206		0	0		1.2.2.2	1.2.2.2		
	D5	Maretron	SIM100	1.0	1422029		5	5		1.2.2.2	1.2.2.2		
	D4	Maretron	SIM100	1.0	1422538		2	2	TEST	1.2.2.2	1.2.2.2		
	7A	Maretron	SMS100	2.0	1720400		0	0	Text Alerts	2.1.2.1	2.1.2.1		
	63	Maretron	SSC200	1.0	1120036		0	0		1.10.2	1.10.2		MARETRON
	60	Maretron	SSC300	1.0	1781711		0	0		1.0.6.1	1.0.6.1		
	71	Maretron	TLA100	2.0	1264048	Fuel	0	10	Reserve Tank Test	2.1.2.2	2.1.2.2		
	75	Maretron	TLA100	1.0	1261683		1			1.7.2.8	1.7.2.8	FWD FUEL TANK	
	78	Maretron	TLA100	1.0	1261692		2		Main Fuel	1.7.2.8	1.7.2.8	AFT FUEL TANK	
	72	Maretron	TLM100	1.0	1500543	Black Water	0	0	FW TANK	1.1.8.3	1.1.8.3		

Active NMEA 2000® Gateway
Highlighted in Blue Text with status in lower corner

Connected to NMEA 2000 Network 10.71.1.104:65500 NUM

N2KANALYZER® V3

Columns

Maretron N2KAnalyzer V3, Version 3.0.8.1 - VesselName

File Setup Analyze Update Configure Web Help

Expand	Node Address	Manufacturer	Mfg Model ID	Mfg Model Version	Mfg Serial Number	Source	Device Instance	Data Instance	Label	Current Software	Available Software	Installation Description #1	Installation I ^
	C6	Maretron	ACM100	1.0	1381780		1	1	JTL ACM 100	1.1.1.2	1.1.1.2	JTL ACM 100	
	C0	Maretron	ACM100	1.0	1381751		0	0	ACM100 #1h	1.1.1.2	1.1.1.2	EXTERNAL POWER AC MON	MARETRON
	1A	Maretron	ALM100	1.0	1462018		0	0		1.0.6	1.0.6		
	6B	Maretron	ALM100	1.0	1461966		1	1		1.0.6	1.0.6		
	1C	Maretron	ALM100	1.0	1462038		2	2		1.0.6	1.0.6		
	E7	Maretron	ALM100	1.0	1461783		3	3	LAB	1.0.6	1.0.6		MARETRON
	64	Carling Technologies	CLMD12	Rev A	1671883		54	54		01.15.22	01.15.22		
	65	Carling Technologies	CLMD12	Rev A	1671884		55	55		01.15.22	01.15.22		
	58	Maretron											MARETRON
	91	Carling Technologies	CLMD12	Rev A	1671885		47	47	CLMD12 Device Label	01.15.22	01.15.22		
	92	Carling Technologies	CLMD12	Rev A	1671900		48	48	CLMD12 Device Label	01.15.22	01.15.22	Center console locker	
	93	Carling Technologies	CLMD12	Rev A	1671904		49	49	CLMD12-4	01.14.10	01.15.22	Center console locker	
	94	Carling Technologies	CLMD12	Rev A	1671883		46	46	CLMD12-1	01.15.22	01.15.22		
	96	Carling Technologies	CLMD12	Rev A	1671907		50	50	CLMD12 Device Label	01.15.22	01.15.22		
	95	Carling Technologies	CLMD12	Rev A	1671339		45	45	Power Tree	01.15.22	01.15.22	Desk Location	MARETRON
	04	Carling Technologies	CLMD16	1.0	1540220		42	42		1.0.2.4	-		
	03	Carling Technologies	CLMD16	1.0	1540134		40	40		1.0.2.4	-		
	42	Carling Technologies	DC08 II	Rev C	213252		38	38	DC08 1	2.0.24	-	Pantry 12V	
	0D	Carling Technologies	DC08 II	Rev C	213429		37	37	VY72DC3-8-37	2.0.24	-	Port Salon	
	3B	Carling Technologies	DC16 II	Rev C	147950		32	32	VY72DC1-16-32	2.0.24	-	Salon Entry Center	DVI33
	3D	Carling Technologies	DC16 II	Rev C	147953		35	35	VY72DC4-16-35	2.0.24	-	Eng Room Stbd Aft Bldhd	
	3C	Carling Technologies	DC16 II	Rev C	147952		34	34	VY72DC3-16-34	2.0.24	-	DC3- Stbd Companionway	DVI 34
	3F	Carling Technologies	DC16 II	Rev C	147954		36	36	VY72DC5-16-36	2.0.24	-	Stbr Companionway	DVI36

Connected to NMEA 2000 Network 10.71.1.101:65500 NUM

Active columns can be modified under the Setup tab

N2KANALYZER® V3

Columns

Expand

Some devices offer multiple channels or output solutions depending on the classification of the device

Pressing the + to expand and reveal the individual solutions

Maretron N2KAnalyzer V3, Version 3.0.8.1 - VesselName

File Setup Analyze Update Configure Web Help

Expand	Node Address	Manufacturer	Mfg Model ID	Mfg Model Version	Mfg Serial Number	Source	Device Instance
+	37	Maretron	FPM100	1.0	1641375		10
	2F	Maretron	GPS100	1.1	1140412		1
	20	Maretron	GPS200	3.0	1582217		0
	2B	Maretron	IPC100	1.0	1621711		1
+	A3	Maretron	J2K100	2.0	1247872		0
	Hardware Channel		Instance				
	Engine		0				
	Transmission		0				
	Diagnostics/AC/Icemaker		0				
+	A6	Maretron	J2K100	2.0	1247876		10
	A0	Maretron	NBE100	2.0	1681727		0
	A5	Maretron	NBE100	2.0	1681270		5
+	2E	Carling Technologies	NPSII	Rev E	606314		17

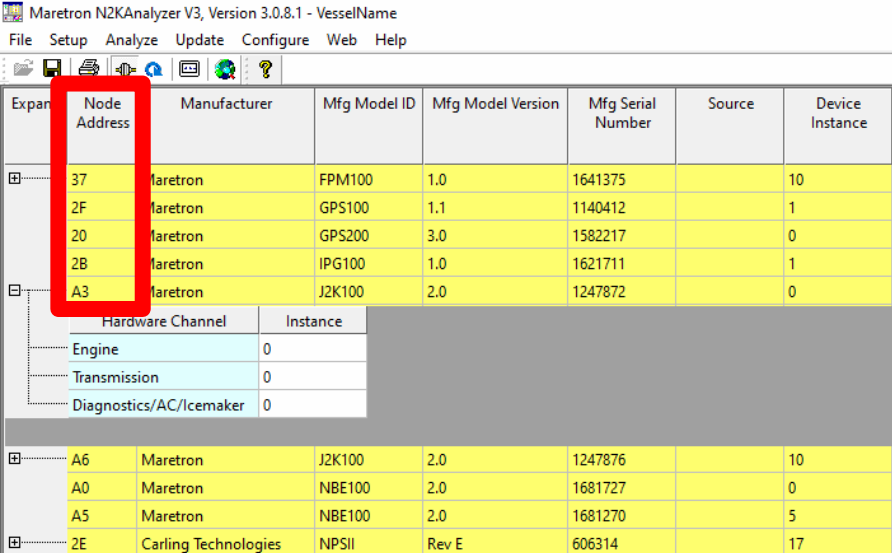
N2KANALYZER® V3

Columns

Node Address

Each individual connected NMEA 2000® device will receive a unique Node Address value that is a hexadecimal generated between each of the devices on the same network.

This is derived between the device classification, data priority level and when the device “checked in” to the network.



Maretron N2KAnalyzer V3, Version 3.0.8.1 - VesselName

File Setup Analyze Update Configure Web Help

Expand	Node Address	Manufacturer	Mfg Model ID	Mfg Model Version	Mfg Serial Number	Source	Device Instance
+	37	Maretron	FPM100	1.0	1641375		10
	2F	Maretron	GPS100	1.1	1140412		1
	20	Maretron	GPS200	3.0	1582217		0
	2B	Maretron	IPG100	1.0	1621711		1
+	A3	Maretron	J2K100	2.0	1247872		0
	Hardware Channel		Instance				
	Engine		0				
	Transmission		0				
	Diagnostics/AC/Icemaker		0				
+	A6	Maretron	J2K100	2.0	1247876		10
	A0	Maretron	NBE100	2.0	1681727		0
	A5	Maretron	NBE100	2.0	1681270		5
+	2E	Carling Technologies	NPSII	Rev E	606314		17

N2KANALYZER® V3

Columns

Part Information

Breakdown of Make / Model / Ver # / Serial # that is published by the connected NMEA 2000® device.

If the Manufacture value is a numeric value, this could indicate that the manufacture of the product has either recently registered to the NMEA board, and our database list may need to be updated accordingly, or they are not a registered NMEA member!

Maretron N2KAnalyzer V3, Version 3.0.8.1 - VesselName

File Setup Analyze Update Configure Web Help

Expand	Node Address	Manufacturer	Mfg Model ID	Mfg Model Version	Mfg Serial Number	Source	Device Instance
+	37	Maretron	FPM100	1.0	1641375		10
	2F	Maretron	GPS100	1.1	1140412		1
	20	Maretron	GPS200	3.0	1582217		0
	2B	Maretron	IPG100	1.0	1621711		1
+	A3	Maretron	J2K100	2.0	1247872		0
	Hardware Channel		Instance				
	Engine		0				
	Transmission		0				
	Diagnostics/AC/Icemaker		0				
+	A6	Maretron	J2K100	2.0	1247876		10
	A0	Maretron	NBE100	2.0	1681727		0
	A5	Maretron	NBE100	2.0	1681270		5
+	2E	Carling Technologies	NPSII	Rev E	606314		17

N2KANALYZER® V3

Columns

Source Type

This field applies to products that output certain types of supplement data, sometimes called meta data, that define an additional characteristic of the data for a single function device.

This will not populate on FPM100 or TMP100 as multiple channels are present.

Fluid Type: Fuel, Fresh Water, Waste Water, Oil...

Temperature: Sea Water, Engine Room, Outside...

Maretron N2KAnalyzer V3, Version 3.0.8.1 - VesselName

File Setup Analyze Update Configure Web Help

Expand	Node Address	Manufacturer	Mfg Model ID	Mfg Model Version	Mfg Serial Number	Source	Device Instance	Data Instance
+	2E	Carling Technologies	NPSII	Rev E	606508			
+	2F	Carling Technologies	NPSII	Rev E	606314			
	40	Maretron	RAA100	1.0	1280068			0
+	E4	Maretron	RIM100	2.0	1441923			0
+	31	Maretron	RIM100	1.0	1440089			10
+	34	Maretron	SIM100	1.0	1422538			2
+	36	Maretron	SIM100	1.0	1422029			5
+	24	Maretron	SIM100	1.0	1423206			0
+	33	Maretron	SIM100	1.0	1420889			5
	7A	Maretron	SMS100	2.0	1720400			0
	63	Maretron	SSC200	1.0	1120036			0
	60	Maretron	SSC300	1.0	1781711			0
	3F	Maretron	TLA100	2.0	1264048	Fuel		10
	41	Maretron	TLM100	1.0	1500543	Black Water		0
	49	Maretron	TLM150	2.0	1520568	Fuel (Gasoline)		4
	4A	Maretron	TLM200	2.0	1540335	Fuel		0
+	25	Maretron	TMP100	2.0	1481724			
	7C	Maretron	TSM1330C	1.0	1840160			3
	5B	Maretron	TSM810C	1.0	1900076			5
	4C	Maretron	TSM810C	1.0	1900285			0
	28	Maretron	VDR100	1.0	1760899			0
	2A	Maretron	VDR100	1.0	1760858			0
	81	Carling Technologies	VMM6	Rev A	1279119			51
	82	Carling Technologies	VMM6	Rev A	1278503			52
+	3A	Maretron	WSO100	1.0	1200028			

N2KANALYZER® V3

Columns

Device Instance / Data Instance

Can be a bit confusing as there are many terminologies being utilized by many different manufactures.

The device instance refers to the physical connected component, while the data instance refers to the actual data output solution.

For single function devices, such as a GPS, the device instance and the data instance will be the same value.

For multiple channel solutions, such as the FPM100, TMP100, CLM100..., each individual channel should have a unique data instance solution by their source type. For example, on the FPM100, you can have a **Fuel** Tank # 0 and a **Fresh Water** Tank # 0, since they are unique in data with their source type.

Instancing analysis tool can help identify any data conflicts

Maretron N2KAnalyzer V3, Version 3.0.8.1 - VesselName

File Setup Analyze Update Configure Web Help

Expand	Node Address	Manufacturer	Mfg Model ID	Mfg Model Version	Mfg Serial Number	Source	Device Instance	Data Instance	Label
	2E	Carling Technologies	NPSII	Rev E	606508		16		Network Power Su...
	2F	Carling Technologies	NPSII	Rev E	606314		17		Network Power Su...
	40	Maretron	RAA100	1.0	1280068		0	0	adder
	E4	Maretron	RIM100	2.0	1441923		0	0	
	31	Maretron	RIM100	1.0	1440089		1	10	M100
	34	Maretron	SIM100	1.0	1422538		2	2	ST
	36	Maretron	SIM100	1.0	1422029		5	5	
	24	Maretron	SIM100	1.0	1423206		0	0	
	33	Maretron	SIM100	1.0	1420889		2	5	M100
	7A	Maretron	SMS100	2.0	1720400		0	0	st Alerts
	63	Maretron	SSC200	1.0	1120036		0	0	
	60	Maretron	SSC300	1.0	1781711		0	0	
	3F	Maretron	TLA100	2.0	1264048	Fuel	0	10	erve Tank Test
	41	Maretron	TLM100	1.0	1500543	Black Water	0	0	TANK
	49	Maretron	TLM150	2.0	1520568	Fuel (Gasoli	0	4	in Gas Tank
	4A	Maretron	TLM200	2.0	1540335	Fuel	0	0	M200
	25	Maretron	TMP100	2.0	1481724		0		MP100
	7C	Maretron	TSM1330C	1.0	1840160		3	3	M1330C - JTL
	5B	Maretron	TSM810C	1.0	1900076		5	5	M810C - JTL
	4C	Maretron	TSM810C	1.0	1900285		0	0	1900285
	28	Maretron	VDR100	1.0	1760899		0	0	
	2A	Maretron	VDR100	1.0	1760858		0	0	ta Recorder
	81	Carling Technologies	VMM6	Rev A	1279119		51	51	
	82	Carling Technologies	VMM6	Rev A	1278503		52	52	
	3A	Maretron	WSO100	1.0	1200028		0		st

N2KANALYZER® V3

Columns

Label

Allows the user/installer to apply labels to individual items using the Maretron Label PGN 130318 and soon for all Carling products the NMEA Label PGN 130060.

This allows for all Maretron products (N2KView, N2KAnalyzer, DSM Displays) as well as 3rd Party displays that are supporting 130060 to share a desired label of a specific component on the network.

Such as labelling a twin engine setup using two J2K100 gateway devices. We would label them as Port and Stbd Engine accordingly.

For a TLM100 tank level monitor, especially if multiple are on the network, FWD Fuel Tank and AFT Fuel Tank.

Data Instance	Label	Current Software	Available Software	Installation Description #1	Installation Description #2	Bandwidth
						27.6%
	VY72DC2-16-33	0.24	-	Eng Rm Port Fwd Blkhd	DVI33	0.5%
	VY72DC3-16-34	0.24	-	DC3- Stbd Companionway	DVI 34	0.0%
	VY72DC4-16-35	0.24	-	Eng Room Stbd Aft Blkhd		0.0%
1		0.3	-	JTL - ENGINES		0.1%
2		0.3	-	JTL - ELECTRONICS		0.1%
0		0.5.2	1.0.5.2			0.0%
10	Balmar Alternator	0.5.2	1.0.5.2			0.1%
6	DCR Export sss	1.2.3	1.1.2.3	Install 1	MARETRON	0.1%
6		1.5.3	2.7.5.3		MARETRON	0.0%
1		1.5.0	1.15.0		MARETRON	0.0%
2		1.5.3	1.7.5.3		MARETRON	0.0%
0		1.4.6	1.8.4.6			0.0%
0	Mike's Display	1.4.6	1.8.4.6			0.0%
5		1.4.6	1.8.4.6			0.0%
0		1.3.2	1.8.4.6			0.0%
2	Port Wing Engine	1.4.3.1	1.4.3.1			0.8%
3	Stbd Wing Engine	1.4.3.1	1.4.3.1			0.8%
	Stbd Engine	1.4.1.1	1.4.1.1			0.7%
	FWD TANK ROOM	1.1.2.1	1.1.2.1	SB fuel		0.0%
1	GPS 2	2.3.0.1	2.3.0.1			1.9%
0		4.0.2.12	4.0.2.12			2.9%
1	MPower Network	4.1.8.2	4.1.8.2			0.0%
2	Maretron Network	4.1.8.2	4.1.8.2			0.5%
10	ICE MAKER	2.3.1.4	2.3.1.4	ICE MAKER	MARETRON	0.0%
0		2.3.1.4	2.3.1.4			0.0%

Connected to NMEA 2000 Network 10.71.1.104:65500

N2KANALYZER® V3

Columns

Current Software

This column should illustrate the current running software on most connected NMEA 2000® devices.

*includes 3rd Party

Data Instance	Label	Current Software	Available Software	Installation Description #1	Installation Description #2	Bandwidth
						27.6%
	VY72DC2-16-33	2.0.24		Eng Rm Port Fwd Blkhd	DVI33	0.5%
	VY72DC3-16-34	2.0.24		DC3- Stbd Companionway	DVI 34	0.0%
	VY72DC4-16-35	2.0.24		Eng Room Stbd Aft Blkhd		0.0%
1		1.8		JTL - ENGINES		0.1%
2		1.8		JTL - ELECTRONICS		0.1%
0		1.0.5.2	0.5.2			0.0%
10	Balmar Alternator	1.0.5.2	0.5.2			0.1%
6	DCR Export sss	1.1.2.3	1.2.3	Install 1	MARETRON	0.1%
6		2.7.5.3	7.5.3		MARETRON	0.0%
1		1.15.0	15.0		MARETRON	0.0%
2		1.7.5.3	7.5.3		MARETRON	0.0%
0		1.8.4.6	8.4.6			0.0%
0	Mike's Display	1.8.4.6	8.4.6			0.0%
5		1.8.4.6	8.4.6			0.0%
0		1.8.3.2	8.4.6			0.0%
2	Port Wing Engine	1.4.3.1	4.3.1			0.8%
3	Stbd Wing Engine	1.4.3.1	4.3.1			0.8%
	Stbd Engine	1.4.1.1	4.1.1			0.7%
	FWD TANK ROOM	1.1.2.1	1.2.1	SB fuel		0.0%
1	GPS 2	2.3.0.1	3.0.1			1.9%
0		4.0.2.12	0.2.12			2.9%
1	MPower Network	4.1.8.2	1.8.2			0.0%
2	Maretron Network	4.1.8.2	1.8.2			0.5%
10	ICE MAKER	2.3.1.4	3.1.4	ICE MAKER	MARETRON	0.0%
0		2.3.1.4	3.1.4			0.0%

Connected to NMEA 2000 Network 10.71.1.104:65500

N2KANALYZER® V3

Columns

Available Software

For most Maretron and Carling devices, N2KAnalyzer provides the latest released software version of each component.

*Keeping N2KAnalyzer up to date, will keep your update directory up to date as well.

If an update is available for a select product, the Current Software version will be illustrated in RED as shown on the right. Selecting this device and either right-clicking to enable to options menu or the Update tab on the top header will provide you the option to **Update Selected Device's Software**.

Follow the on-screen prompts.

Data Instance	Label	Current Software	Available Software	Installation Description #1	Installation Description #2	Bandwidth 27.6%
	VY72DC2-16-33	2.0.24	-	Eng Rm Port Fwd Blkhd	DVI33	0.5%
	VY72DC3-16-34	2.0.24	-	C3- Stbd Companionway	DVI 34	0.0%
	VY72DC4-16-35	2.0.24	-	Eng Room Stbd Aft Blkhd		0.0%
1		1.8	-	TL - ENGINES		0.1%
2		1.8	-	TL - ELECTRONICS		0.1%
0		1.0.5.2	1.0.5.2			0.0%
10	Balmar Alternator	1.0.5.2	1.0.5.2			0.1%
6	DCR Export sss	1.1.2.3	1.1.2.3	Install 1	MARETRON	0.1%
6		2.7.5.3	2.7.5.3		MARETRON	0.0%
1		1.15.0	1.15.0		MARETRON	0.0%
2		1.7.5.3	1.7.5.3		MARETRON	0.0%
0		1.8.4.6	1.8.4.6			0.0%
0	Mike's Display	1.8.4.6	1.8.4.6			0.0%
5		1.8.4.6	1.8.4.6			0.0%
0		1.8.3.2	1.8.4.6			0.0%
2	Port Wing Engine	1.4.3.1	1.4.3.1			0.8%
3	Stbd Wing Engine	1.4.3.1	1.4.3.1			0.8%
	Stbd Engine	1.4.1.1	1.4.1.1			0.7%
	FWD TANK ROOM	1.1.2.1	1.1.2.1	B fuel		0.0%
1	GPS 2	2.3.0.1	2.3.0.1			1.9%
0		4.0.2.12	4.0.2.12			2.9%
1	MPower Network	4.1.8.2	4.1.8.2			0.0%
2	Maretron Network	4.1.8.2	4.1.8.2			0.5%
10	ICE MAKER	2.3.1.4	2.3.1.4	ICE MAKER	MARETRON	0.0%
0		2.3.1.4	2.3.1.4			0.0%

Connected to NMEA 2000 Network | 10.71.1.104:65500

N2KANALYZER® V3

Columns

Installation Descriptions

Open text field components, up to 70 characters each.

Please add any additional notation for the device and/or it's installation location.

Treat these fields as if you were the next user/technician on-board to troubleshoot or locate a component.

Data Instance	Label	Current Software	Available Software	Installation Description #1	Installation Description #2	Bandwidth
						27.6%
	VY72DC2-16-33	2.0.24	-	Eng Rm Port Fwd Blkhd	DVI33	0.5%
	VY72DC3-16-34	2.0.24	-	DC3- Stbd Companionway	DVI 34	0.0%
	VY72DC4-16-35	2.0.24	-	Eng Room Stbd Aft Blkhd		0.0%
1		1.8	-	JTL - ENGINES		0.1%
2		1.8	-	JTL - ELECTRONICS		0.1%
0		1.0.5.2	1.0.5.2			0.0%
10	Balmar Alternator	1.0.5.2	1.0.5.2			0.1%
6	DCR Export sss	1.1.2.3	1.1.2.3	Install 1	MARETRON	0.1%
6		2.7.5.3	2.7.5.3		MARETRON	0.0%
1		1.15.0	1.15.0		MARETRON	0.0%
2		1.7.5.3	1.7.5.3		MARETRON	0.0%
0		1.8.4.6	1.8.4.6			0.0%
0	Mike's Display	1.8.4.6	1.8.4.6			0.0%
5		1.8.4.6	1.8.4.6			0.0%
0		1.8.3.2	1.8.4.6			0.0%
2	Port Wing Engine	1.4.3.1	1.4.3.1			0.8%
3	Stbd Wing Engine	1.4.3.1	1.4.3.1			0.8%
	Stbd Engine	1.4.1.1	1.4.1.1			0.7%
	FWD TANK ROOM	1.1.2.1	1.1.2.1	SB fuel		0.0%
1	GPS 2	2.3.0.1	2.3.0.1			1.9%
0		4.0.2.12	4.0.2.12			2.9%
1	MPower Network	4.1.8.2	4.1.8.2			0.0%
2	Maretron Network	4.1.8.2	4.1.8.2			0.5%
10	ICE MAKER	2.3.1.4	2.3.1.4	ICE MAKER	MARETRON	0.0%
0		2.3.1.4	2.3.1.4			0.0%
				Connected to NMEA 2000 Network		10.71.1.104:65500

N2KANALYZER® V3

Columns

Bandwidth

Provides a summation of all the network data traffic at the top.

Provides bandwidth for each individual connected NMEA 2000® component.

*Can be used to quickly identify devices causing higher network traffic than expected.

Data Instance	Label	Current Software	Available Software	Installation Description #1	Installation Description #2	Bandwidth
						27.6%
	VY72DC2-16-33	2.0.24	-	Eng Rm Port Fwd Blkh	DVI33	0.5%
	VY72DC3-16-34	2.0.24	-	DC3- Stbd Companionway	DVI 34	0.0%
	VY72DC4-16-35	2.0.24	-	Eng Room Stbd Aft Blkh		0.0%
1		1.8	-	JTL - ENGINES		0.1%
2		1.8	-	JTL - ELECTRONICS		0.1%
0		1.0.5.2	1.0.5.2			0.0%
10	Balmar Alternator	1.0.5.2	1.0.5.2			0.1%
6	DCR Export sss	1.1.2.3	1.1.2.3	Install 1	MARETRON	0.1%
6		2.7.5.3	2.7.5.3		MARETRON	0.0%
1		1.15.0	1.15.0		MARETRON	0.0%
2		1.7.5.3	1.7.5.3		MARETRON	0.0%
0		1.8.4.6	1.8.4.6			0.0%
0	Mike's Display	1.8.4.6	1.8.4.6			0.0%
5		1.8.4.6	1.8.4.6			0.0%
0		1.8.3.2	1.8.4.6			0.0%
2	Port Wing Engine	1.4.3.1	1.4.3.1			0.8%
3	Stbd Wing Engine	1.4.3.1	1.4.3.1			0.8%
	Stbd Engine	1.4.1.1	1.4.1.1			0.7%
	FWD TANK ROOM	1.1.2.1	1.1.2.1	SB fuel		0.0%
1	GPS 2	2.3.0.1	2.3.0.1			1.9%
0		4.0.2.12	4.0.2.12			2.9%
1	MPower Network	4.1.8.2	4.1.8.2			0.0%
2	Maretron Network	4.1.8.2	4.1.8.2			0.5%
10	ICE MAKER	2.3.1.4	2.3.1.4	ICE MAKER	MARETRON	0.0%
0		2.3.1.4	2.3.1.4			0.0%
Connected to NMEA 2000 Network						10.71.1.104:65500

N2KANALYZER® V3

Device Menu

Device Options

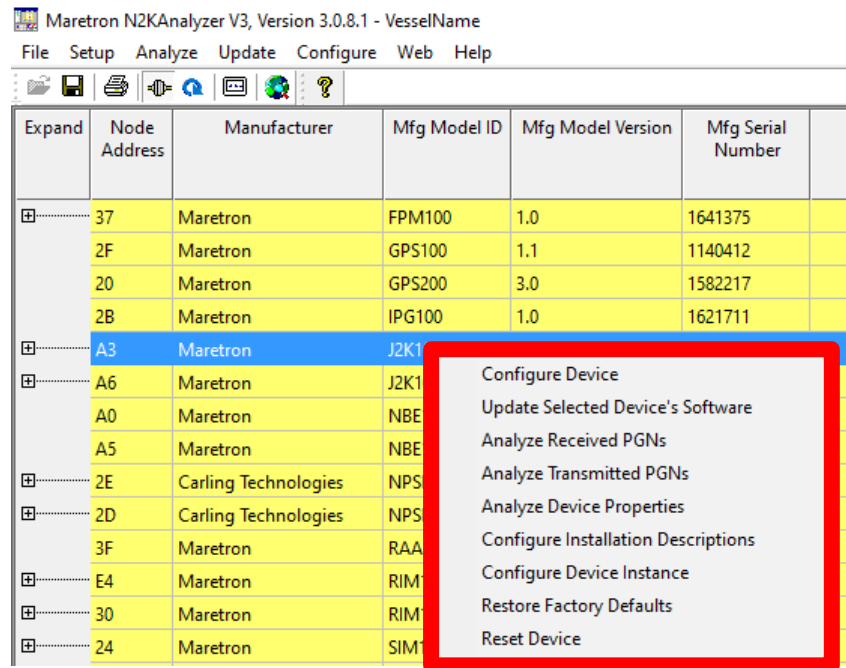
This menu will populate after selecting a single connected NMEA 2000® device.

Analyze, Update and Configure tabs will populate similar device functions after selecting a target device.

*Every option will not be available, such as Configure Device and Update Software, for non-Maretron/Carling components.

Restore Factory Defaults command provides option to restore factory settings of a Maretron device

Reset Device command sends a reboot signal to a connected NMEA 2000® component. Resets devices that are powered by the NMEA 2000® network.



Maretron N2KAnalyzer V3, Version 3.0.8.1 - VesselName

File Setup Analyze Update Configure Web Help

Expand	Node Address	Manufacturer	Mfg Model ID	Mfg Model Version	Mfg Serial Number
+	37	Maretron	FPM100	1.0	1641375
+	2F	Maretron	GPS100	1.1	1140412
+	20	Maretron	GPS200	3.0	1582217
+	2B	Maretron	IPG100	1.0	1621711
+	A3	Maretron	J2K1		
+	A6	Maretron	J2K1		
+	A0	Maretron	NBE		
+	A5	Maretron	NBE		
+	2E	Carling Technologies	NPS		
+	2D	Carling Technologies	NPS		
+	3F	Maretron	RAA		
+	E4	Maretron	RIM		
+	30	Maretron	RIM		
+	24	Maretron	SIM		

- Configure Device
- Update Selected Device's Software
- Analyze Received PGNs
- Analyze Transmitted PGNs
- Analyze Device Properties
- Configure Installation Descriptions
- Configure Device Instance
- Restore Factory Defaults
- Reset Device

N2KANALYZER® V3

Overview Snapshot

Maretron N2KAnalyzer V3, Version 3.0.8.1 - VesselName

FileSetupAnalyzeUpdateConfigureWebHelp

Expand

Node Address

Manufacturer

Mfg Model ID

Mfg Model Version

Mfg Serial Number

Source

Device Instance

Data Instance

Label

Current Software

Available Software

Installation Description #1

Installation Description #2

Bandwidth

29.9%

	C0	Maretron	ACM100	1.0	1381751		0	0	ACM100 #1h	1.1.1.2	1.1.1.2	EXTERNAL POWER AC MON	MARETRON	0.4%
	E7	Maretron	ALM100	1.0	1461783		3	3	LAB	1.0.6	1.0.6		MARETRON	0.0%
	58	Maretron	CLM100	1.0	1850373		0			1.2.2.4	1.2.2.4			1.1%
	59	Maretron	CLM100	1.0	1850296		10		CLM100	1.2.2.4	1.2.2.4		MARETRON	0.9%
	95	Carling Technologies	CLMD12	Rev A	1671339		45		Power Tree	01.15.22	01.15.22	Desk Location	MARETRON	3.6%
	3A	Maretron	DCM100	2.0	1403197		10	10	Balmar Alternator	1.0.5.2	1.0.5.2			0.1%
	48	Maretron	DCR100	2.0	1701224		0	6	DCR Export sss	1.1.2.3	1.1.2.3	Install 1	MARETRON	0.2%
	19	Maretron	DSM150	2.0	1801329		6	6		2.7.5.3	2.7.5.3		MARETRON	0.0%
	5A	Maretron	DSM200	1.2	1100672		1	1		1.15.0	1.15.0		MARETRON	0.0%
	69	Maretron	DSM250	3.0	1303209		2	2		1.7.5.3	1.7.5.3		MARETRON	0.0%
	12	Maretron	DSM570	2.0	1940247		0	0		1.8.3.2	1.8.4.6			0.0%
	97	Maretron	EMS100	2.0	1220911		2	2	Port Wing Engine	1.4.3.1	1.4.3.1			2.2%
	98	Maretron	EMS100	2.0	1220912		3	3	Stbd Wing Engine	1.4.3.1	1.4.3.1			2.4%
	33	Maretron	FFM100	1.0	1662319		1		Stbd Engine	1.4.1.1	1.4.1.1			1.4%
	39	Maretron	FPM100	1.0	1641375		0		FWD TANK ROOM	1.1.2.1	1.1.2.1	SB fuel		0.2%
	30	Maretron	GPS100	1.1	1140412		1	1	GPS 2	2.3.0.1	2.3.0.1			1.8%
	20	Maretron	GPS200	3.0	1582217		0	0		4.0.2.12	4.0.2.12			4.8%
	2C	Maretron	IPG100	1.0	1621171		2	2	Maretron Network	4.1.8.2	4.1.8.2			0.0%
	A6	Maretron	J2K100	2.0	1247876		10	10	ICE MAKER	2.3.1.4	2.3.1.4	ICE MAKER	MARETRO	0.0%
	A4	Maretron	J2K100	2.0	1246222		1	1	HVAC	2.3.1.4	2.3.1.4	Dometic HVA	MARETRON	0.0%
	A3	Maretron	J2K100	2.0	1247872		0	0		2.3.1.4	2.3.1.4			0.0%
	A5	Maretron	NBE100	2.0	1681270		5	5		2.3.1.2	2.3.1.2	Maretron - MPower Bridge	MARETRON	0.0%
	41	Maretron	RAA100	1.0	1280068		0	0	Rudder	1.4.9	1.4.9		MARETRON	0.5%
	32	Maretron	RIM100	1.0	1440089		1	10	RIM100	1.2.2.2	1.2.2.2		MARETRON	2.2%
	34	Maretron	SIM100	1.0	1420889		5	5	Motion Sensors	1.2.2.2	1.2.2.2		MARETRON	2.2%
	24	Maretron	SIM100	1.0	1423206		0	0		1.2.2.2	1.2.2.2			0.0%
	7A	Maretron	SMS100	2.0	1720400		0	0	Text Alerts	2.1.2.1	2.1.2.1			0.3%
	60	Maretron	SSC300	1.0	1781711		0	0		1.0.6.1	1.0.6.1			1.2%
	40	Maretron	TLA100	2.0	1264048	Fuel	0	10	Reserve Tank Test	2.1.2.2	2.1.2.2			0.0%
	49	Maretron	TLM100	1.0	1500543	Black Water	0	0	FW TANK	1.1.8.3	1.1.8.3			0.0%
	4A	Maretron	TLM150	2.0	1520568	Fuel (Gasoline)	0	4	Main Gas Tank	2.1.2.2	2.1.2.2		MARETRON	0.0%
	4B	Maretron	TLM200	2.0	1540335	Fuel	0	0	TLM200	2.1.2.2	2.1.2.2		MARETRON	1.4%
	25	Maretron	TMP100	2.0	1481724		0		TMP100	1.1.2.7	1.1.2.7		MARETRON	0.2%

Connected to NMEA 2000 Network10.71.1.104:65500NUM

Connected to NMEA 2000 Network

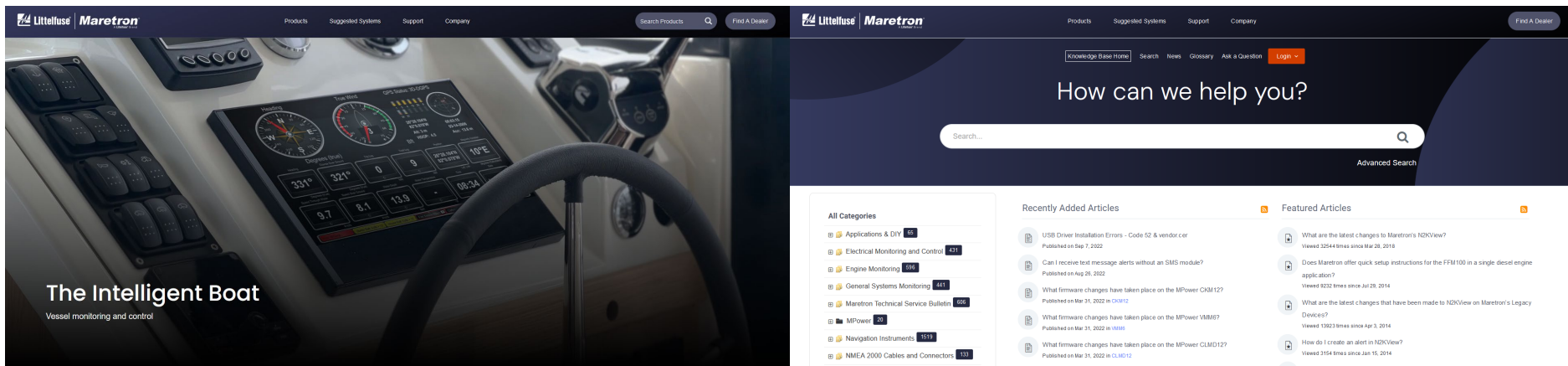
10.71.1.104:65500

NUM

CONFIGURATION

Website Resources

The Maretron website has been recently updated to offer our users access to all of the latest technical materials with the ease of navigation. Datasheets, Manuals, Training Videos, Software, Knowledge Base and Sample Systems and more at your fingertips!!



www.Maretron.com

WEBSITE RESOURCES

N2KAnalyzer - Training Videos

Overview

Applications

Documentation

Downloads

— Videos



N2KAnalyzer Introduction - Part I

9C	Maretron	SSC200	1120707	0	Primary Heading	5.0.3	5.0.4.1	Midship	Installed 2013
AD	Maretron	ICM100	1241404	0	ICE Maker	1.0.13.2	1.2.1.1		Installed 2013
BA	Garmin	GPS17x-NME	3431140010	3		2.40	-		
30	Maretron	GPS100	1140232	2		1.6.13.0	2.3.0.1	Backup 1	Installed 2013
7C	Maretron	TLM100	1500082	0	Fresh Water	1.1.6	1.1.8.3		Installed 2013
74	Maretron	TLM150	1529901	0	Fuel	1.1.6	1.1.8.3	Tender Gasoline T...	Installed 2013
86	Maretron	WSO100	1201734	2		2.0.13	2.0.13		Installed 2013
72	Maretron	DST110	*	0		1.003.1.0...	-	Port Sounder	Installed 2013
71	Maretron	ALM100	1469902	5		1.0.6	1.0.6	Engine Room	Installed 2013
20	Maretron	GPS200	1529904	0		3.5	3.7.1.1	Primary GPS Ante...	Installed 2013
CF	Maretron	DCM100	1400046	1		1.0.4	1.0.5.2	System Power	Installed 2013
73	Maretron	TLM200	1540111	2	Fuel	1.1.6	1.1.8.3		Installed 2013
23	Aumar	HT200	11002103	2		4.000.4.0...	-	Sea water temp	Installed 2013
28	Maretron	VDR100	1700014	0		2.0.0.4	3.0.3.1	Connected Fwd Bu...	Installed 2013
08	Lowrance Ele...	EP-D05	316	5		1.0.0.50...	-		Installed 2013
1A	Maretron	AI-M100	1400061	0		1.0.6	1.0.6	Engine Room B...	Installed 2013



N2KAnalyzer Introduction - Part II

M250	1.0	1300176	1	Deck Display	1.4.17.5	1.6.3.4		Installed 2013
C200	1.0	1389904	0	Primary Heading	5.0.3	5.0.4.1	Midship	Installed 2013
DM100	1.0	1241404	0	A/C Bus	1.0.8.2	1.0.9.2	Main A/C Bus A	Installed 2013
100	1.0	3431140010	3	ICE Maker	1.0.13.2	1.2.1.1		Installed 2013
517x-NME...	1.00	1140232	2		2.40	-		
5100	1.1	1500082	0		1.6.13.0	2.3.0.1	Backup 1	Installed 2013
M100	1.0	1529901	0	Fresh Water	1.1.6	1.1.8.3		Installed 2013
M150	1.0	1201734	2		1.1.6	1.1.8.3	Tender Gasoline T...	Installed 2013
SO100	2.0	*	0	Wind Sensor	2.0.13	2.0.13		Installed 2013
IT110	D235-S1-TS-A-02/06		0		1.003.1.0...	-	Port Sounder	Installed 2013
M100	1.0	1469902	5	Engine Room	1.0.6	1.0.6	Engine Room	Installed 2013
S200	2.0	15266	0	Primary	3.5	3.7.1.1	Primary GPS Ante...	Installed 2013
DM100	1.0	1400046	1	N2Kpower	1.0.4	1.0.5.2	System Power	Installed 2013
M200	1.0	1540111	2	Day Tank	1.1.6	1.1.8.3		Installed 2013

<https://www.maretron.com/products/n2kanalyzer-v3-nmea-2000-analysis-software/>

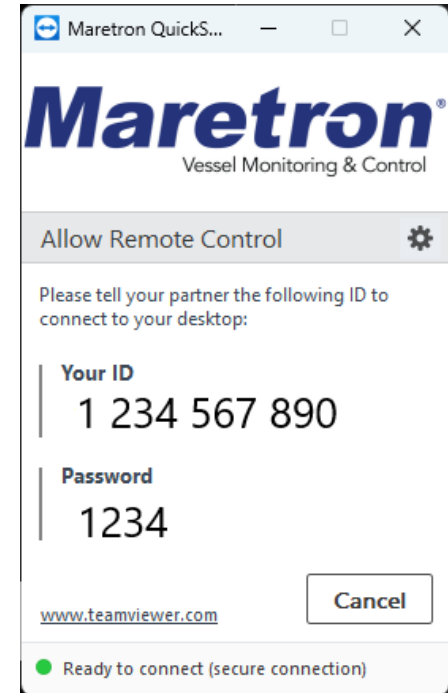
MARETRON WEB PAGES

Technical Support

Maretron Technical Support (Maretron, MPower and OctoPlex Brands)

Monday – Friday 8am - 5pm (EST)
Toll Free: (866) 550-9100
Phone: (602) 861-1707

Support@Maretron.com



<https://maretron.com/RemoteSupport>

Maretron®

Vessel Monitoring & Control

This document is provided by Maretron for informational and guideline purposes only. Maretron assumes no liability for errors or omissions in this document or for any of the information contained herein. Information is provided on an “as is” and “with all faults” basis for evaluation purposes only. Applications described are for illustrative purposes only and Maretron makes no representation that such applications will be suitable for the customer’s specific use without further testing or modification. Maretron expressly disclaims all warranties, whether express, implied or statutory, including but not limited to the implied warranties of merchantability and fitness for a particular purpose, and non-infringement. It is the customer’s sole responsibility to determine suitability for a particular system or use based on their own performance criteria, conditions, specific application, compatibility with other components, and environmental conditions. Customers must independently provide appropriate design and operating safeguards to minimize any risks associated with their applications and products.