ES-Key Pro RO

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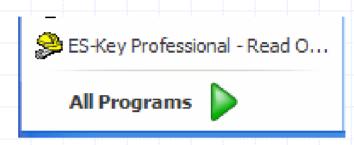
Class 1 Ocala, FL

1-800-533-3569

ES-Key Pro

ES-Key





ES-Key Pro Software can be started with the desktop Icon or from the Start Menu

Disclaimer

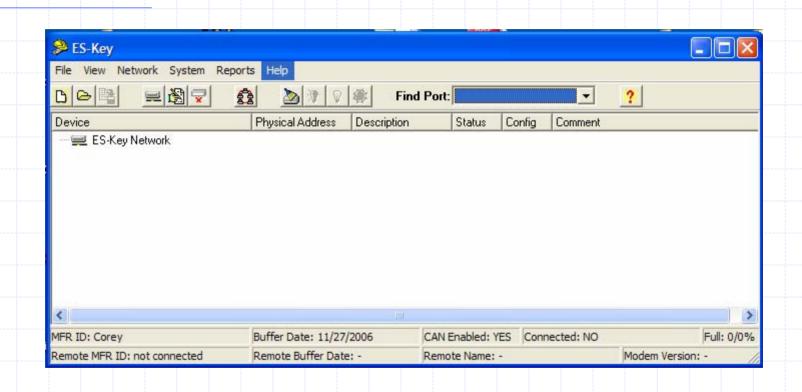
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The software has a Warning Message that must be agreed to before the software will actually run.

Start-Screen

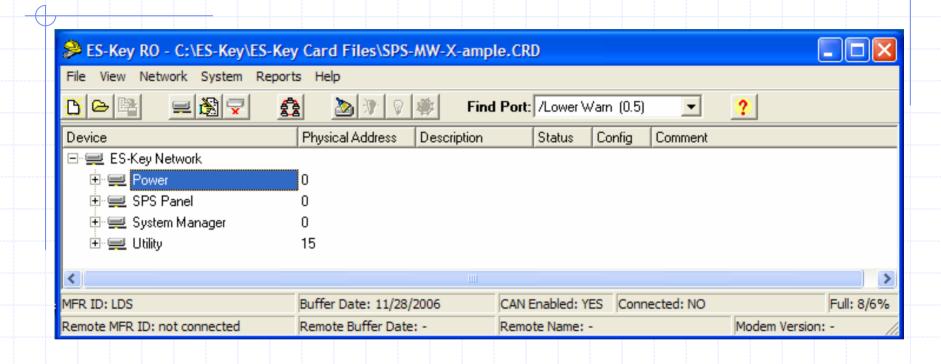
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The first screen displayed will be empty unless a previously saved file is loaded.

Orientation

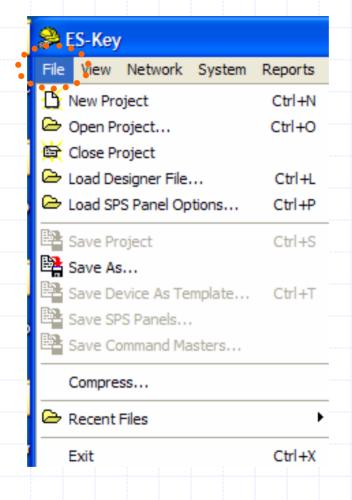
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The following slides will discuss the various menus available to the user.

File Menu

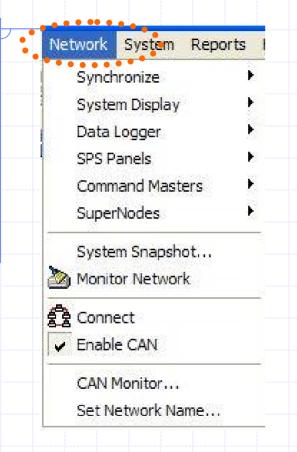
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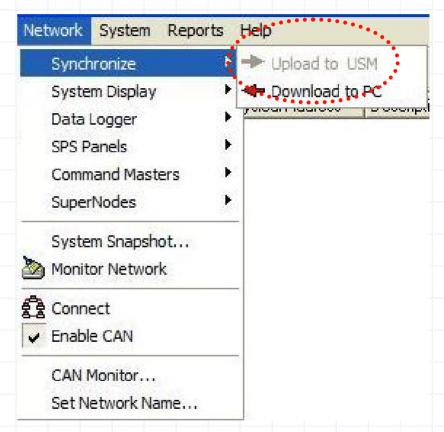


The File drop down menu allows saving and loading of card files and projects

Network Menu

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- The Network Menu provides access to the C.A.N. Bus
- Note: Upload is greyed out....

Com Port

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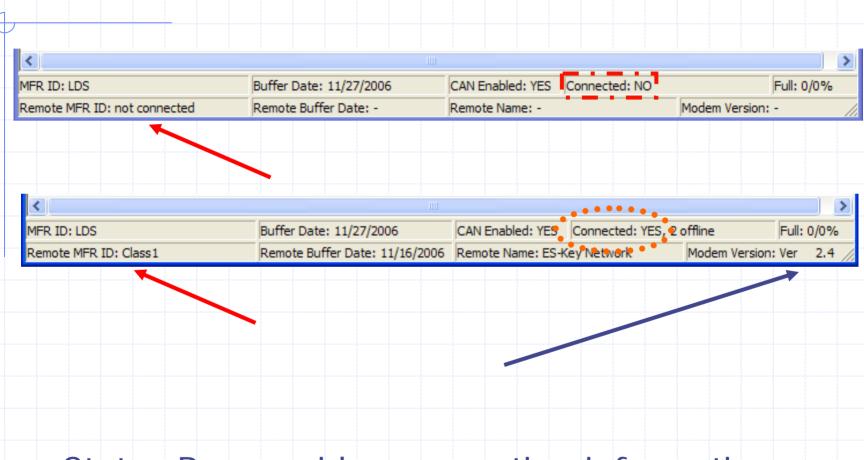
Select Col	mmunications Port	
Modem or	ı port 3	
	in the State	•
Connecti	on Type	
← Serial	● Mode	em
	•••••	
Phone Nur	nber	
9,,1,585235	8586	
1		



- The communications port must be configured for serial or modem.
- If set to modem, this is where the phone number is entered.

Connection Status





Status Bar provides connection information

Main Window

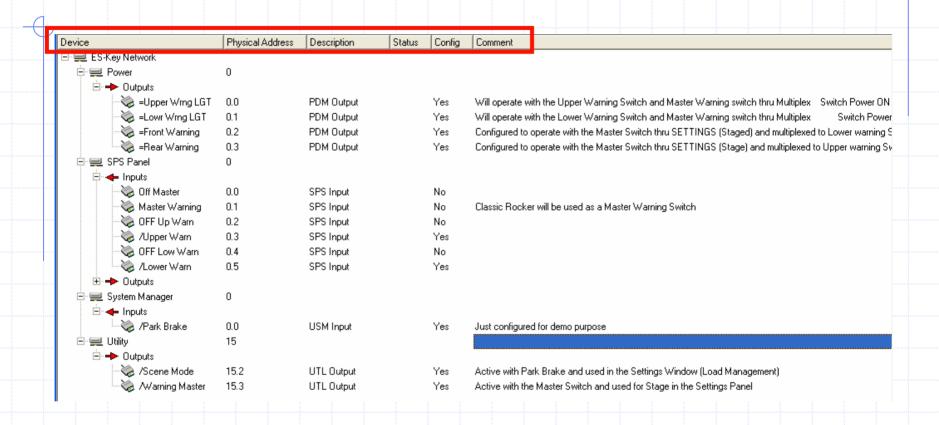
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)evice	Physical Addre	ss Description	Status	Config	Comment
ES-Key Network					
🗓 💻 System Manager	0				
Power	0				
🛨 💻 Power	1				
🛨 💻 Power	2				
🛨 💻 Power	3				
🛨 💻 Power	4				
🛨 💻 Power	5				
🛨 💻 Power	6				
🛨 💻 Power	7				
🖭 💻 Power	8				
🛨 💻 Power	9				
🖽 💻 Output	0				
🖃 💻 Output	1				
🛨 💻 Output	2				
🛨 💻 Output	3				
🖭 💻 Output	4				
🛨 💻 Output	5				
🕀 💻 Output	6				
🖭 💻 Input/Output	0				
🖭 💻 Input/Output	1				
🖭 📃 SPS Panel	0				
🖭 📃 SPS Panel	1				
🖭 📃 SPS Panel	2				
🛨 📃 System Memory	0				
🖭 💻 Utility	15				
🖭 💻 Input	0				
🛨 💻 Input	1				
🛨 💻 Vocation	0				
🖳 💻 Display	2				

The Main Window shows devices that are in the system including their addresses.

Devices and I/O

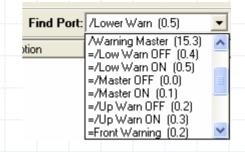
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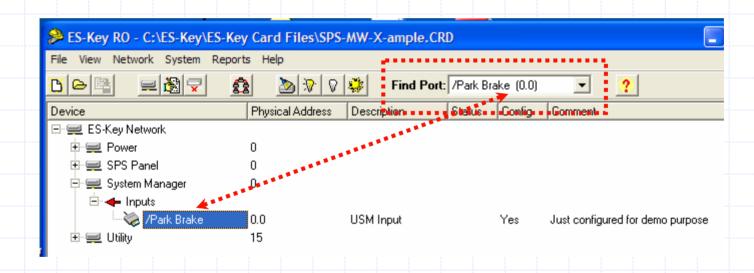


The Main Window Provides basic circuit information about modules, Inputs, Outputs and Configuration Status along with any notes if present

Find Port

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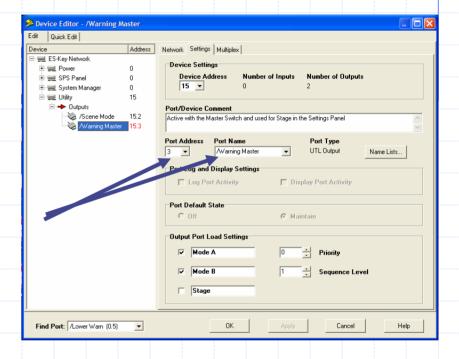


A utility called Find Port is available from the Main Window. Any port in the system can be located and selected here. It is then highlighted for easy identification.

Editor Window

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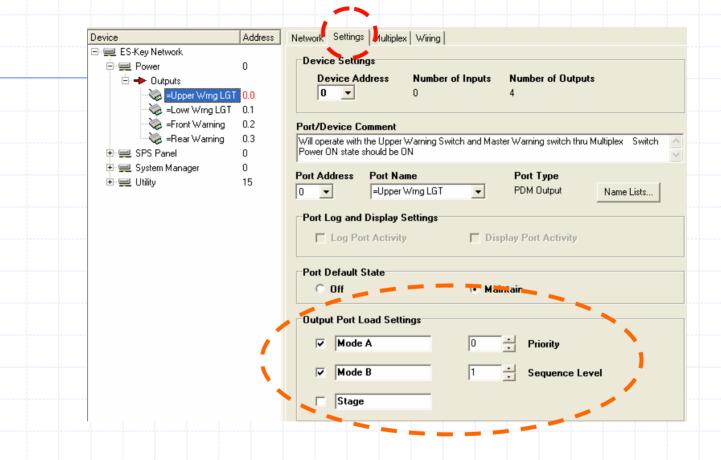
evice				
	Address	Network Settings		
ES-Key Network		Device Settings		
Power SPS Panel	0		of Inputs Number of Outputs	
System Manager System Manager	0	15 ▼ 0	2	
⊞ ⊒ Utility	15			
	100	Port/Device Comment		
				^
				v
		Port Address Port Name	Port Type	
			The second secon	e Lists
		or Log and Display Settings		
		Log Port Activity	Display Port Activity	
		Port Default State		
		CON	C Maintain	
		Output Port Load Settings		-
		☐ Mode A	Tal pro	
		I IMode A	Priority	
		☐ Mode B	Sequence Level	
		7.1	J. Joducine Level	
		☐ Stage		



The Editor Screen is where each input and output is configured. They can be named, the port number assigned and even the module address can be changed.

Port Settings

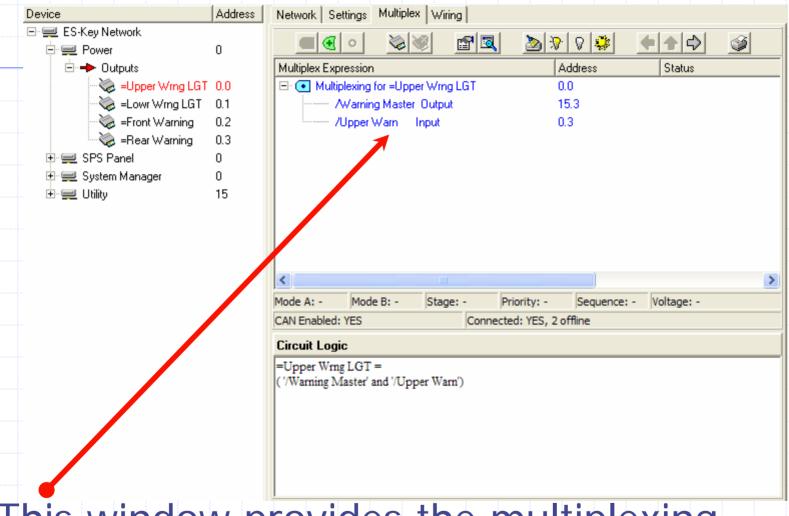
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- Settings Tab (Window) Address Port Name Output Default
- Load Management (Master Scene Response Priority Sequence)
- Comments (Notes to clarify operation)

Port Multiplexing

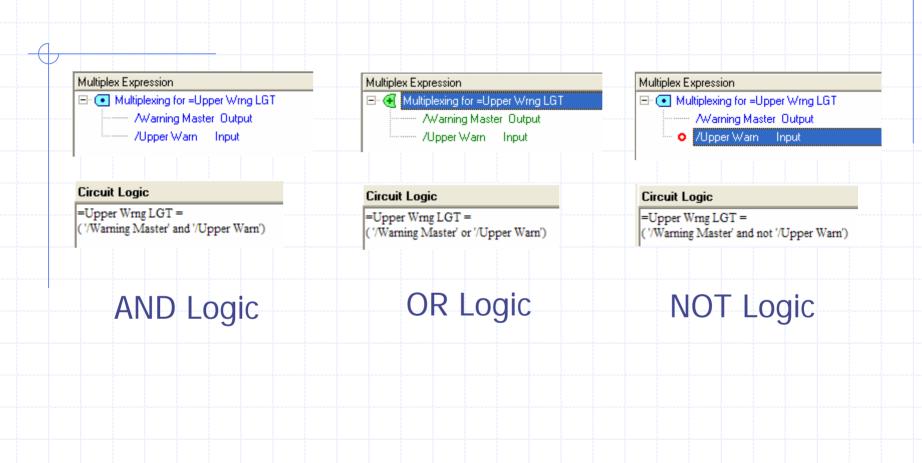
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This window provides the multiplexing expression (Circuit (Port) Operation)

System Logic

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The ES-Key System uses very simple logic to set-up circuit operation.

Complex Logic?

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	3
Multiplex Expression	Address
☐ Multiplexing for =Upper Wrng LGT	0.0
/Upper Warn Input	0.3
O /Lower Warn Input	0.5
🖃 📵 Sum Term Expression	
/Park Brake Input	0.0
/Warning Master Output	15.3
/Scene Mode Output	15.2
Ē- ● Product Term Expression	
/Lower Warn Input	0.5

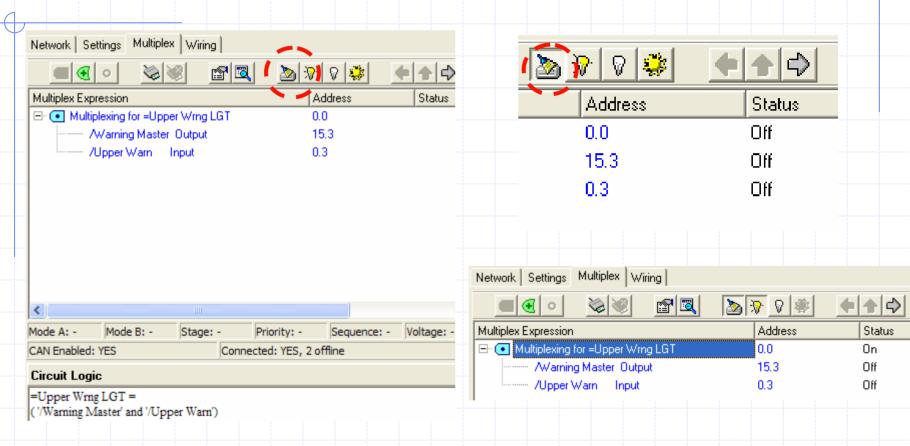
Circuit Logic

=Upper Wrng LGT =
('/Upper Warn' and not '/Lower Warn' and
('/Park Brake' or '/Warning Master' or '/Scene Mode' or
('/Lower Warn')))

Circuit Logic may be combined to create more complex conditions of operation.

Live Status

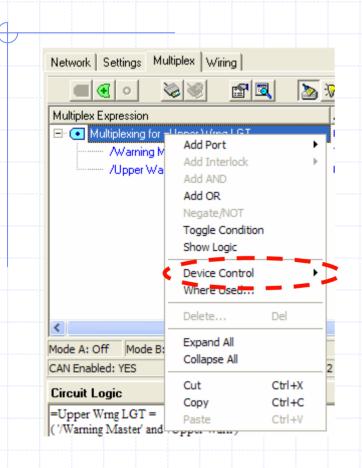
ES-Key

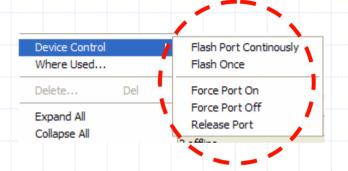


- ♦ The current status of the port can be displayed in this window
- The brush icon must be enabled to get this information
- The multiplex logic status is displayed here as well

Device Control

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Choice of port operation is available in this menu

It is important to release control of the circuit before proceeding with diagnostics in most cases

Control of the outputs and inputs is performed using the device control drop down menu

Output Control

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Any Es-Key circuit can be split easily using device control.

Force the output ON and if the load activates, the problem will be on the input side of the system.

If the load does NOT turn ON, then the problem will be from that specific output on the Power Module through the ground of the load.

Input Control

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Force the Input ON and if the load activates, the problem is between switch common and the input module.

(Switch, Feed or connection to the Input Module)

If the load does NOT turn ON, then the problem is the input on the module.

NOTE: If multiple arguments are present, it will be necessary to activate those circuits also (either forced or physical)

General

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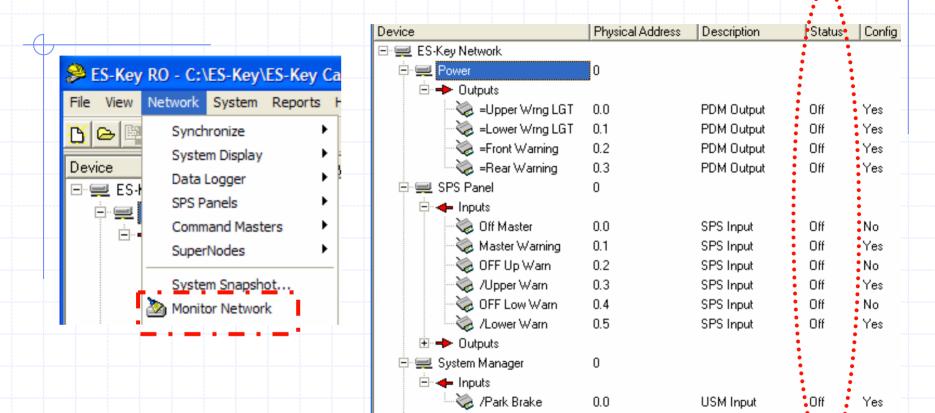
Most problems can be diagnosed with the system.

The software should get you to within a few feet of the problem.

At that point, basic electrical troubleshooting will easily pin-point the problem.

Network Monitor

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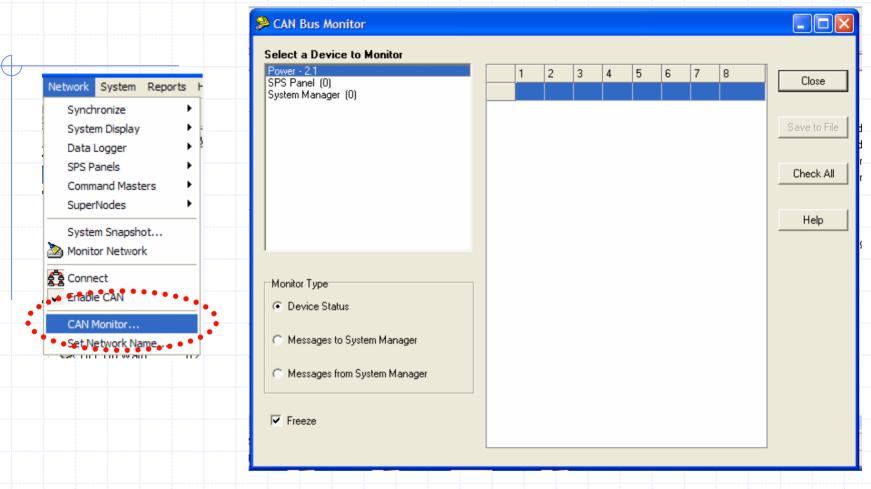
The I/O status can be monitored through the Main Window Network Menu.

🖭 💻 Utility

15

CAN Monitor

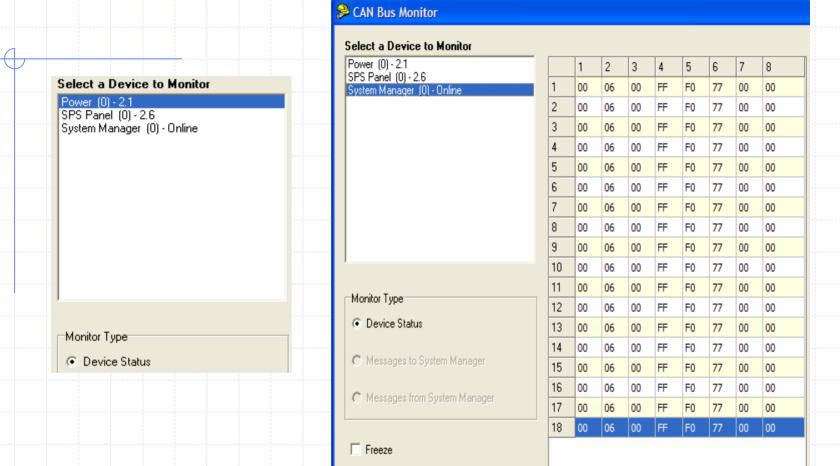
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The Controller Area network has its own Monitor Screen accessed from the Network pull down menu.

C.A.N. Monitor

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The device status including version will be displayed and actual messages being parsed can also be monitored.

This presentation is designed to familiarize you with the software and suggest possible uses and procedures.

Specific questions about the database or apparatus can best be answered by the OEM.

General hardware or software questions can be answered by the OEM or Class1.

Wrapup

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- **Questions?**
 - Website Available
 - http://www.es-key.com
 - http://www.class1.com