



Agenda

- 9000xDrive
 - Overview
 - Connecting
 - Parameter Editing
- 9000xLoad
 - Overview
 - Configuring
 - Loading files



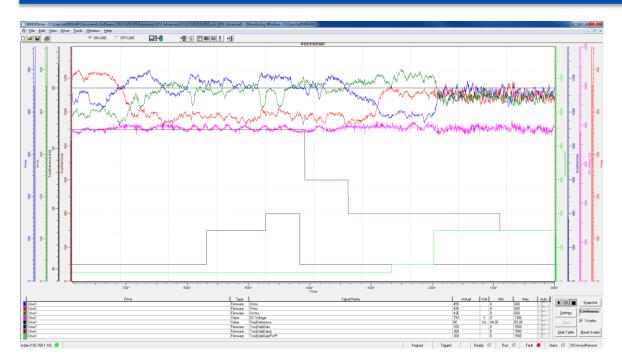




9000xDrive Overview

- Real Time editing of parameters
- PC control
- Diagnostic page
- Copy Parameters

- > Trend Recorder
- Print Parameters
- Live Monitoring (Scope Function)

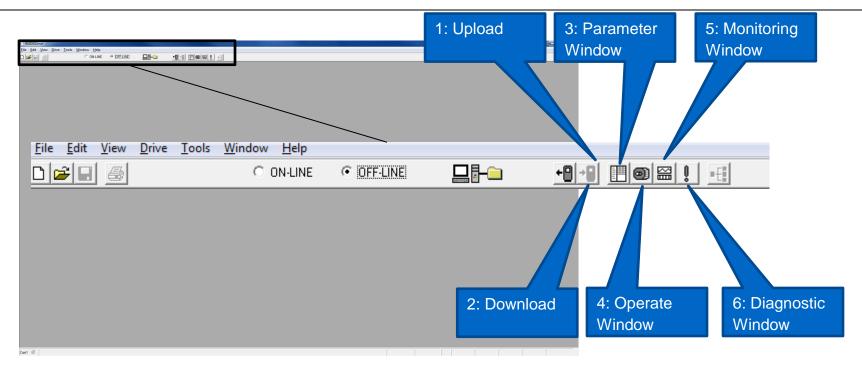








Overview of Functions

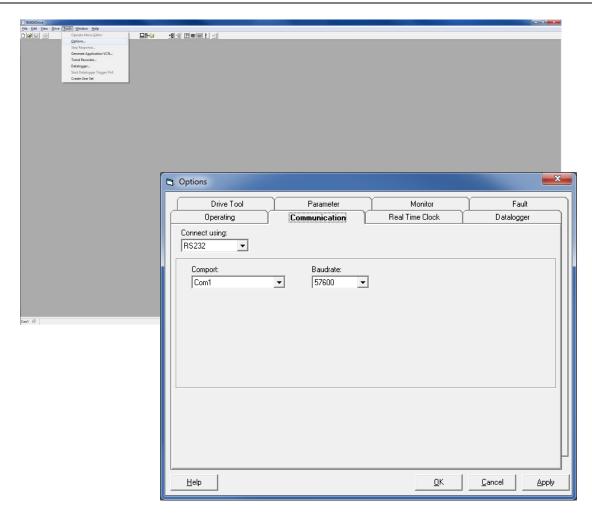


- 1. Upload
 - Used to load parameters from drive to PC tool
- Download
 - Used to load parameter from PC tool to drive
- Parameter Window
 - Opens parameter window to edit parameter either off line or online

- Operate Window
 - Opens window that allows control of the drive from the PC tool.
- 5. Monitoring Window
 - Display scope tool that allow monitoring and graphing of up to 8 real time signals
 - Diagnostic Window
 - Used to display active faults or historical faults



Connecting – RS232

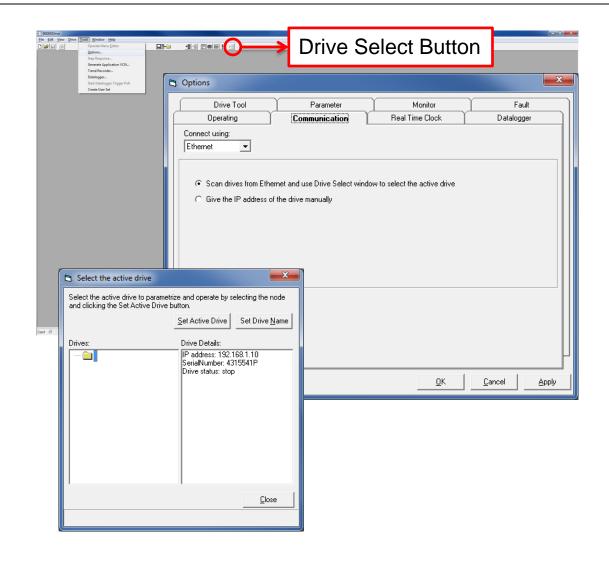


- 1. Tools -> Options
- Select Communications Tab
- Select how you will be connecting (keypad Port = RS232)
- Select the Com port that you will be using on your PC to communicate with the drive
- 5. Baud Rate can be any setting



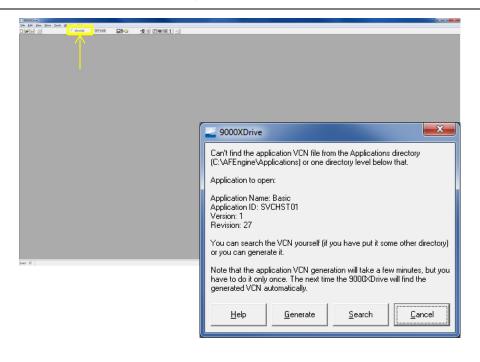
Connecting - Ethernet

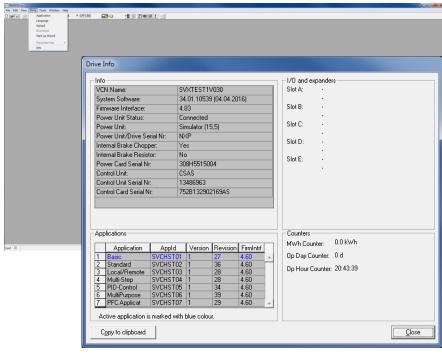
- 1. Tools -> Options
- Select Communications Tab
- 3. Select how you will be connecting (Ethernet)
- 4. Select the how you will identify IP address
- Click OK
- Click Drive select Button on Main tool Bar
- If set to scan 9000xDrive will search local network for drives, select the desired drive and click Set active Drive





Going Online

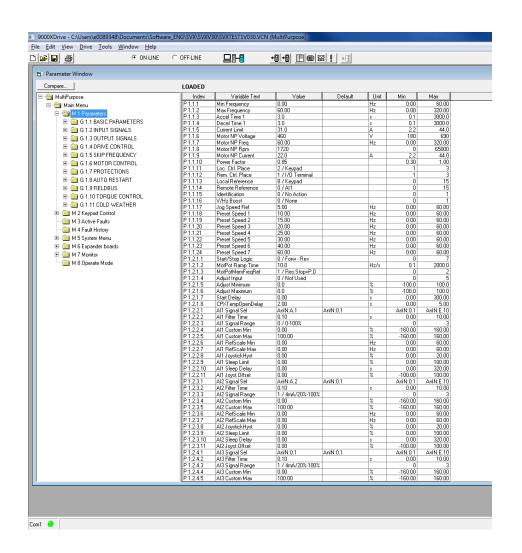




- Select Online Button in Tool bar
- If the application file is located in C:\AFEngine\Applications 9000xdrive will begin uploading parameters.
- Standard applications are bundled with system software
- Locate the file name in the Drive -> info



Online Mode



- Left side is the Parameter tree
- Select a folder in the tree to narrow the results displayed in the main window
- Click the Value field of any parameter to make edits
- Changes are made in real time when online no need to send or download changes to the drive

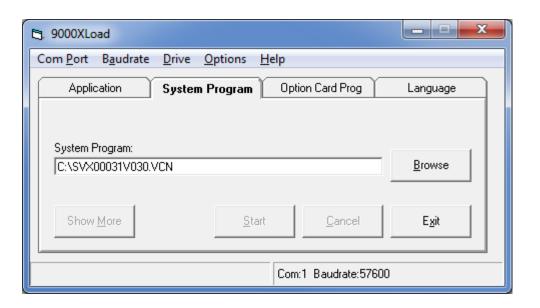






Overview

- Add or replace all applications in the drive
- Upgrade system software
- Upgrade Option Card Software
- Change language packs





File Name Structure

System Software File

Product				ldent	ification nu	mber			Software	Revision	File Extension				
	S	V	Χ	0	0	0	3	1	V	0	0	1	V	С	N
	S	Р	Χ	0	0	0	3	2	V	0	0	1	V	С	N

Application file

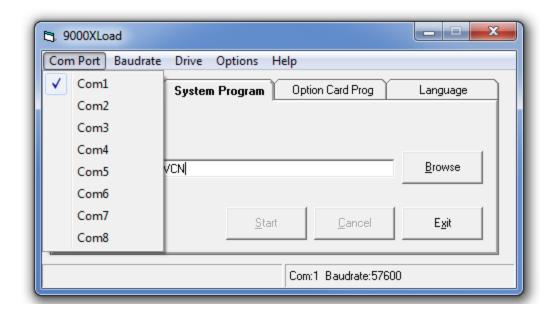
Product		Location ID			Softw	are ID			Software	Revision	File Extension			
S	V	С	Н	S	Т	0	1	V	1	0	1	V	С	N
S	Р	С	Н	S	Т	0	2	V	1	0	2	V	С	N

Option Card

Option Card						_	ID number						Software Revision				File Extension		
	0	Р	Т	С		_	1	0	5	2	1	V	0	0	1	V	С	N	
	0	Р	Т	С	Q	_	1	0	5	3	1	V	0	0	1	V	С	N	



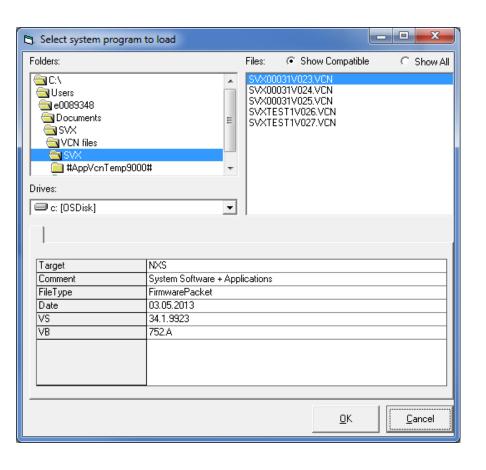
Configuring



- First Select Com Port that you will be using on you PC to connect to drive
- Limited to Com 1 8
- Set Baud rate Any baud rate will work (use the highest to save time)

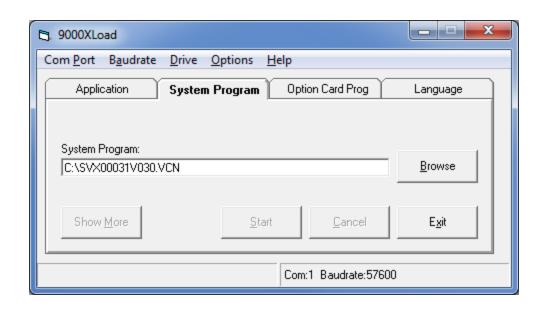


Loading system software



- Click Browse and locate the VCN file that you would like to load
- When Show compatible button is checked only Files compatible with the connect control board or option cards will be displayed
- The information area on the bottom gives information on the compatible control boards
- 9000xLoad will not allow loading of incompatible files

Loading System Software



- Once the correct file is selected press start
- When progress bar is complete 9000xload will go back to this state and loading is complete



