

Wavewin Sniffer 24
Configuration & Polling Software
(Wavewin Sniffer Operations Guide)



Operations Guide Content Calibration



Calibration

Run the Wavewin Sniffer Software



Double Click "Wavewin Sniffer".



Calibration

Calibrating Clamp On Current Sensor “CS-HE-CPL”

*Mount the Current Sensor to
Calibration Test Wire*



WAVEWIN Sniffer 24 - Version 4.2

Device Configuration

Station: SUBSTATION Company: COMPANY

Device: DEVICE Time Code: -5

WAVEWIN™ Sniffer 24

05 / 10 / 2012 13 : 51 : 19 . 406 (Computer)

Analog Channel Settings

Configuration | Triggering | Calibration

Channel Titles	Sensor	Unit	P/S Ratio	Cal Mag/Ang	Reference Ang	RMS	Instantaneous	Magnitude	Angle
1 Chan-1	CS-HE-CPL	AMPS	1/1	<input checked="" type="checkbox"/>	<input checked="" type="radio"/>				
2 Unused2	NONE	NONE	1/1	<input checked="" type="checkbox"/>	<input type="radio"/>				
3 Unused3	NONE	NONE	1/1	<input checked="" type="checkbox"/>	<input type="radio"/>				
4 Unused4	NONE	NONE	1/1	<input checked="" type="checkbox"/>	<input type="radio"/>				
5 Unused5	NONE	NONE	1/1	<input checked="" type="checkbox"/>	<input type="radio"/>				
6 Unused6	NONE	NONE	1/1	<input checked="" type="checkbox"/>	<input type="radio"/>				
7 Unused7	NONE	NONE	1/1	<input checked="" type="checkbox"/>	<input type="radio"/>				
8 Unused8	NONE	NONE	1/1	<input checked="" type="checkbox"/>	<input type="radio"/>				

Data Monitor

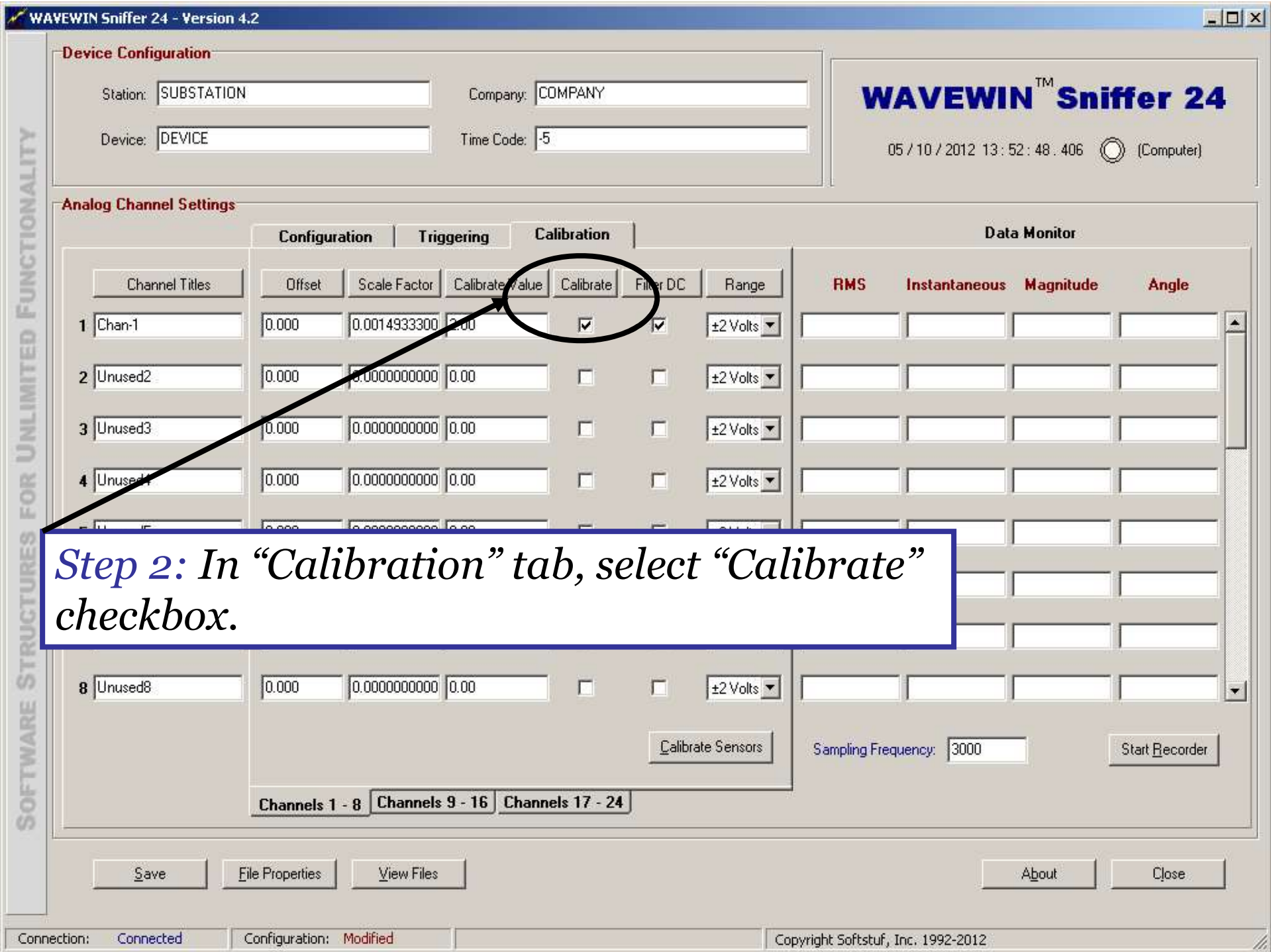
Sampling Frequency: 3000 Start Recorder

Channels 1 - 8 | Channels 9 - 16 | Channels 17 - 24

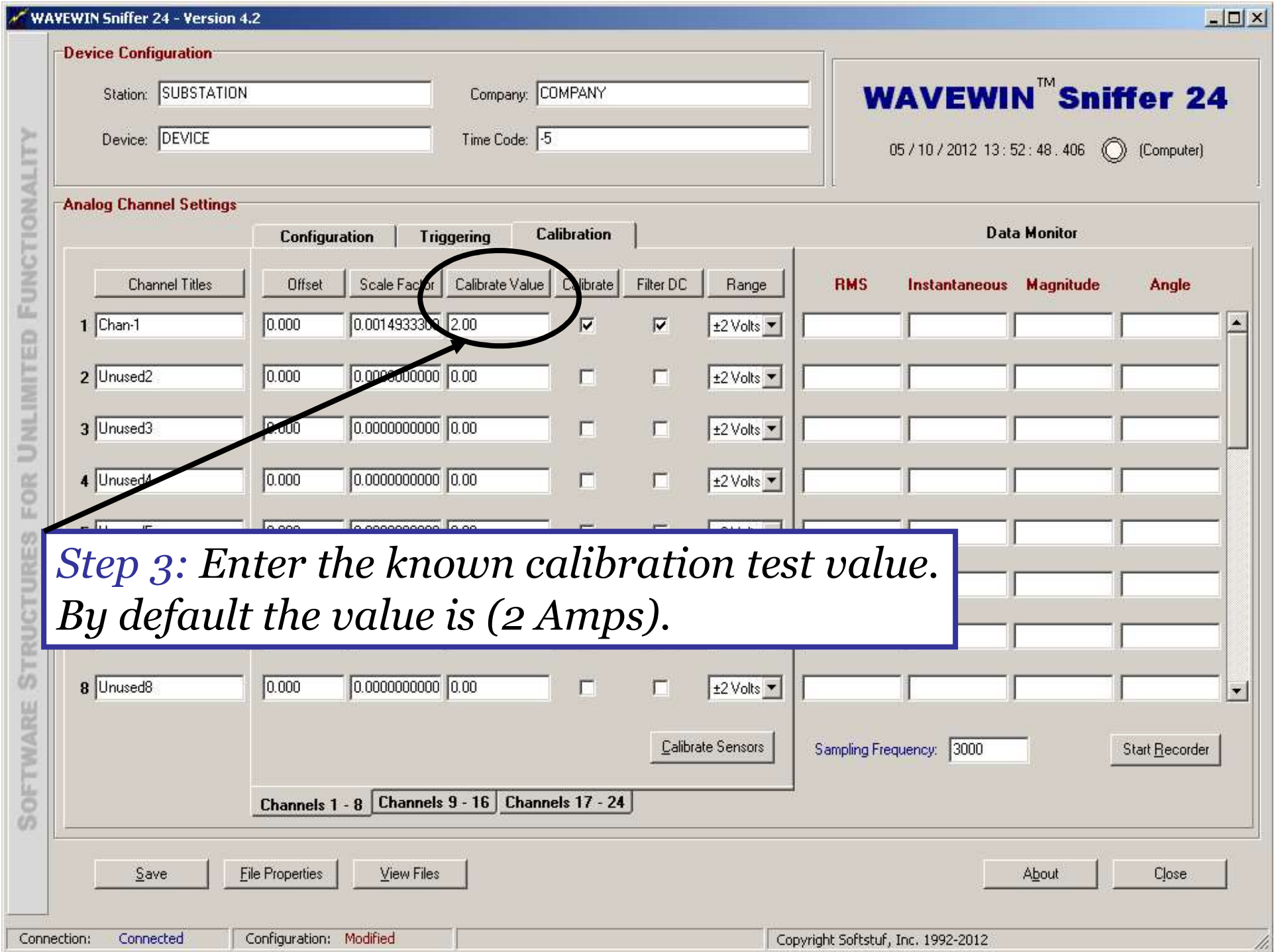
Save | File Properties | View Files | About | Close

Connection: Connected Configuration: Modified Copyright Softstuf, Inc. 1992-2012

Step 1: In "Configuration" tab, select "CS-HE-CPL" sensor.



Step 2: In "Calibration" tab, select "Calibrate" checkbox.



*Step 3: Enter the known calibration test value.
By default the value is (2 Amps).*

SOFTWARE STRUCTURES FOR UNLIMITED FUNCTIONALITY

WAVEWIN™ Sniffer 24

05 / 10 / 2012 13 : 52 : 48 . 406 (Computer)

Device Configuration

Station: SUBSTATION Company: COMPANY
Device: DEVICE Time Code: -5

Analog Channel Settings

Configuration Triggering Calibration

Data Monitor

Channel Titles	Offset	Scale Factor	Calibrate Value	Calibrate	Filter DC	Range	RMS	Instantaneous	Magnitude	Angle
1 Chan-1	0.000	0.001493333	2.00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	±2 Volts				
2 Unused2	0.000	0.000000000	0.00	<input type="checkbox"/>	<input type="checkbox"/>	±2 Volts				
3 Unused3	0.000	0.000000000	0.00	<input type="checkbox"/>	<input type="checkbox"/>	±2 Volts				
4 Unused4	0.000	0.000000000	0.00	<input type="checkbox"/>	<input type="checkbox"/>	±2 Volts				
8 Unused8	0.000	0.000000000	0.00	<input type="checkbox"/>	<input type="checkbox"/>	±2 Volts				

Calibrate Sensors

Sampling Frequency: 3000

Start Recorder

Channels 1 - 8 Channels 9 - 16 Channels 17 - 24

Save File Properties View Files About Close

Device Configuration

Station: SUBSTATION Company: COMPANY
Device: DEVICE Time Code: -5

WAVEWIN™ Sniffer 24

05 / 10 / 2012 13 : 52 : 48 . 406 (Computer)

Analog Channel Settings

Configuration Triggering Calibration

Channel Titles	Offset	Scale Factor	Calibrate Value	Calibrate	Filter DC	Range
1 Chan-1	0.000	0.0014933300	2.00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	±2 Volts
2 Unused2	0.000	0.0000000000	0.00	<input type="checkbox"/>	<input type="checkbox"/>	±2 Volts
3 Unused3	0.000	0.0000000000	0.00	<input type="checkbox"/>	<input type="checkbox"/>	±2 Volts
4 Unused4	0.000	0.0000000000	0.00	<input type="checkbox"/>	<input type="checkbox"/>	±2 Volts
5 Unused5	0.000	0.0000000000	0.00	<input type="checkbox"/>	<input type="checkbox"/>	±2 Volts
6 Unused6	0.000	0.0000000000	0.00	<input type="checkbox"/>	<input type="checkbox"/>	±2 Volts
7 Unused7	0.000	0.0000000000	0.00	<input type="checkbox"/>	<input type="checkbox"/>	±2 Volts
8 Unused8	0.000	0.0000000000	0.00	<input type="checkbox"/>	<input type="checkbox"/>	±2 Volts

Data Monitor

RMS	Instantaneous	Magnitude	Angle

Step 4: Click "Calibrate Sensors".

Calibrate Sensors

Sampling Frequency: 3000 Start Recorder

SOFTWARE STRUCTURES FOR UNLIMITED FUNCTIONALITY

WAVEWIN Sniffer 24 - Version 4.2

Device Configuration

Station: SUBSTATION Company: COMPANY

Device: DEVICE Time Code: -5

05 / 10 / 2012 13 : 52 : 48 . 406 (Computer)

WAVEWIN™ Sniffer 24

Analog Channel Settings

Configuration Triggering Calibration Data Monitor

Channel Titles	Offset	Scale Factor	Calibrate Value	Calibrate	Filter DC	Range	RMS	Instantaneous	Magnitude	Angle
1 Chan-1	0.000	0.0014933300	2.00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	±2 Volts				
2 Unused2	0.000	0		<input type="checkbox"/>	<input type="checkbox"/>					
3 Unused3	0.000	0		<input type="checkbox"/>	<input type="checkbox"/>					
4 Unused4	0.000	0		<input type="checkbox"/>	<input type="checkbox"/>					
5 Unused5	0.000	0		<input type="checkbox"/>	<input type="checkbox"/>					
6 Unused6	0.000	0		<input type="checkbox"/>	<input type="checkbox"/>					
7 Unused7	0.000	0		<input type="checkbox"/>	<input type="checkbox"/>					
8 Unused8	0.000	0.0000000000	0.00	<input type="checkbox"/>	<input type="checkbox"/>	±2 Volts				

Calibrate Sensors

Start Calibration Process

When Starting the Calibration Make Sure No Current is Applied to the Sensors.
Click the Start Calibration Button to Begin.

Start Calibration

Calibrate Sensors

Sampling Frequency: 3000 Start Recorder

Channels 1 - 8 Channels 9 - 16 Channels 17 - 24

Save File Properties View Files About Close

Connection: Connected Configuration: Modified Copyright Softstuf, Inc. 1992-2012

Step 5: Click "Start Calibration".

WAVEWIN Sniffer 24 - Version 4.2

Device Configuration

Station: SUBSTATION Company: COMPANY
Device: DEVICE Time Code: -5

WAVEWIN™ Sniffer 24
05 / 10 / 2012 14 : 02 : 26 . 390 (Unlocked)

Analog Channel Settings

Configuration Triggering Calibration Data Monitor

Channel Titles	Offset	Scale Factor	Calibrate Value	Calibrate	Filter DC	Range	RMS	Instantaneous	Magnitude	Angle
1 Chan-1	174.658	1.0000000000	2.00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	±2 Volts	11.069	5.342	1.912	0.000
2 Unused2	0.000	0.000					0.000	0.000	0.000	181.993
3 Unused3	0.000	0.000					0.000	0.000	0.000	181.993
4 Unused4	0.000	0.000					0.000	0.000	0.000	181.993
5 Unused5	0.000	0.000					0.000	0.000	0.000	181.993
6 Unused6	0.000	0.000					0.000	0.000	0.000	181.993
							0.000	0.000	0.000	181.993
							0.000	0.000	0.000	181.993

Calibrate Sensors

Calibrating...

Apply Current to the Sensors to set the Scale Values.
Then click the Continue Calibration Button.

Continue Calibration

Calibrate Sensors

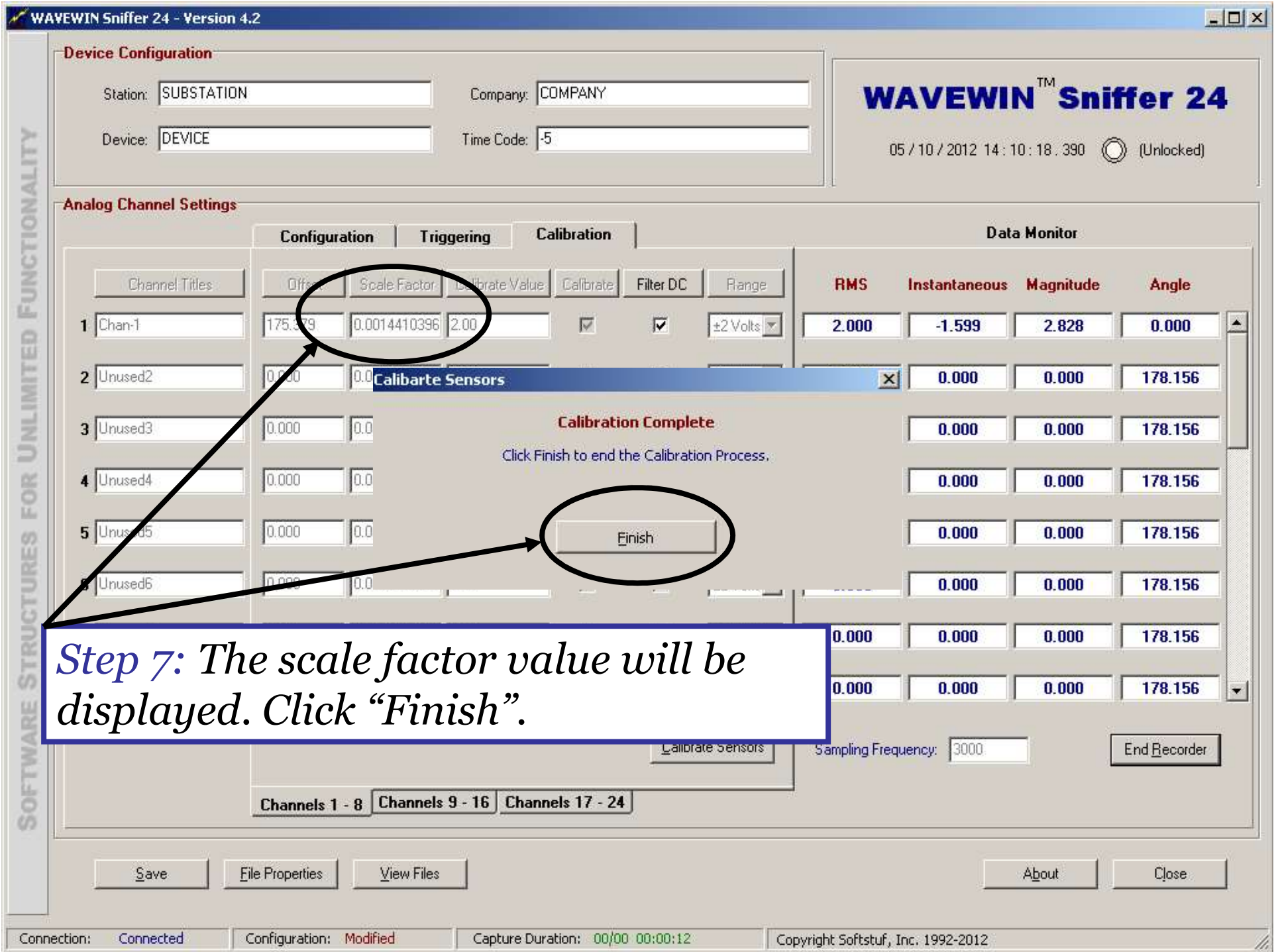
Sampling Frequency: 3000 End Recorder

Channels 1 - 8 Channels 9 - 16 Channels 17 - 24

Save File Properties View Files About Close

Connection: Connected Configuration: Modified Capture Duration: 00/00 00:00:04 Copyright Softstuf, Inc. 1992-2012

Step 6: The offset value will be displayed. Click "Continue Calibration".



Step 7: The scale factor value will be displayed. Click "Finish".

Device Configuration

Station: SUBSTATION

Company: COMPANY

Device: DEVICE

Time Code: -5

WAVEWIN™ Sniffer 24

05 / 10 / 2012 14 : 13 : 57 . 437 (Computer)

Analog Channel Settings

Configuration

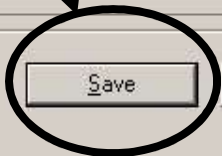
Triggering

Calibration

Data Monitor

Channel Titles	Offset	Scale Factor	Calibrate Value	Calibrate	Filter DC	Range	RMS	Instantaneous	Magnitude	Angle
1 Chan-1	176.432	0.0014410396	2.00	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	±2 Volts				
2 Unused2	0.000	0.0000000000	0.00	<input type="checkbox"/>	<input type="checkbox"/>	±2 Volts				
3 Unused3	0.000	0.0000000000	0.00	<input type="checkbox"/>	<input type="checkbox"/>	±2 Volts				
4 Unused4	0.000	0.0000000000	0.00	<input type="checkbox"/>	<input type="checkbox"/>	±2 Volts				
5 Unused5	0.000	0.0000000000	0.00	<input type="checkbox"/>	<input type="checkbox"/>	±2 Volts				
6 Unused6	0.000	0.0000000000	0.00	<input type="checkbox"/>	<input type="checkbox"/>	±2 Volts				
7 Unused7	0.000	0.0000000000	0.00	<input type="checkbox"/>	<input type="checkbox"/>	±2 Volts				
8 Unused8	0.000	0.0000000000	0.00	<input type="checkbox"/>	<input type="checkbox"/>	±2 Volts				

Step 8: Click "Save".



Save

File Properties

View Files

About

Close

Calibrate Sensors

Sampling Frequency: 3000

Start Recorder

Channels 1 - 8

Channels 9 - 16

Channels 17 - 24

End of Operations Guide

