13 Accessibility

Customizing Labscribe for Individuals with Vision Impairments

Keyboard Shortcuts

The following keyboard shortcuts are available:

File→New : Ctrl + N

File→Open : Ctrl + O

File→Save : Ctrl + S

File→Exit : Ctrl + Q

Edit→Undo : Ctrl + Z

Edit→Redo : Ctrl + Y

Edit→Cut : Ctrl + X
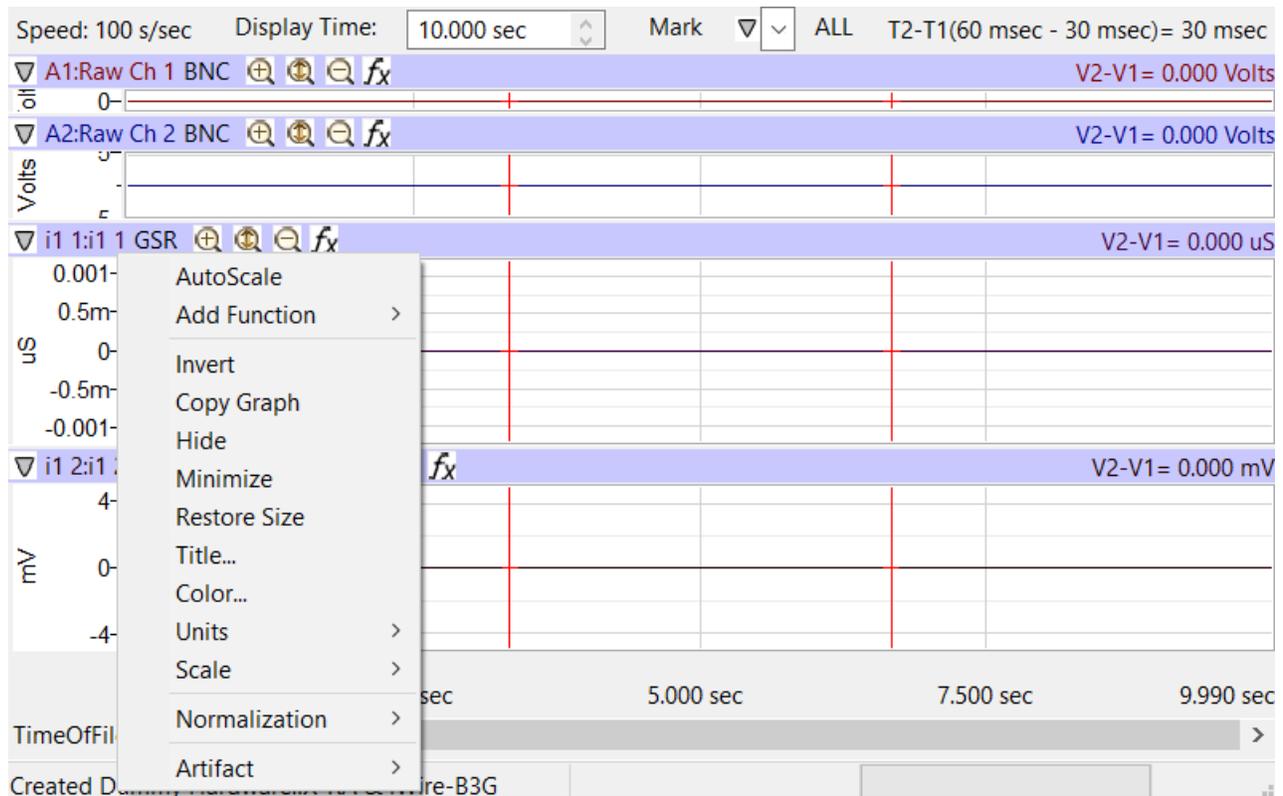
Edit→Copy : Ctrl + C

Edit→Paste : Ctrl + V

Tools→Find Next : Ctrl + F

Record : Ctrl + R

Add All Data to Journal : Ctrl + D

Add Title to Journal : Ctrl +T

To Show the Channel menu, Press Ctrl+n, where n is the number of the graph displayed on the screen.   To show the channel menu for channel i1, which is displayed in graph 3 on the screen, press CTRL+3 The Channel menu includes Autoscale as well as Add Function options.

Speed: 100 s/sec   Display Time: 10.000 sec   Mark ▽ ∨ ALL   T2-T1(60 msec - 30 msec)= 30 msec

▽ A1:Raw Ch 1 BNC ⊕ ⊕ ⊖ *fx*   V2-V1= 0.000 Volts

0-

▽ A2:Raw Ch 2 BNC ⊕ ⊕ ⊖ *fx*   V2-V1= 0.000 Volts

Volts

▽ i1 1:i1 1 GSR ⊕ ⊕ ⊖ *fx*   V2-V1= 0.000 uS

0.001-	AutoScale	
0.5m-	Add Function	>
uS 0-	Invert	
-0.5m-	Copy Graph	
-0.001-	Hide	
▽ i1 2:i1	Minimize	*fx*	V2-V1= 0.000 mV
4-	Restore Size	
mV 0-	Title...	
	Color...	
-4-	Units	>
	Scale	>	5.000 sec 7.500 sec 9.990 sec
TimeOfFil	Normalization	>
	Artifact	>
Created D......ire-B3G		

The user can create custom Macros to automate tasks.

Operating System

Windows have various options for individuals with vision impairments. Most of those settings can be used with LabScribe. Some common accessibility features include:

- Making Items on Screen appear bigger with Magnifier
- Make the Text Size Larger.

Options in LabScribe

Under Edit→Preferences in LabScribe, various display options for the program can be set.

Colors:

the colors used for channels and graphs can be set. For example to use a high contrast mode, you can set the graph background color to black and the graph line color to white. Colors for individual channels are selected from the channel menu in the Main window.
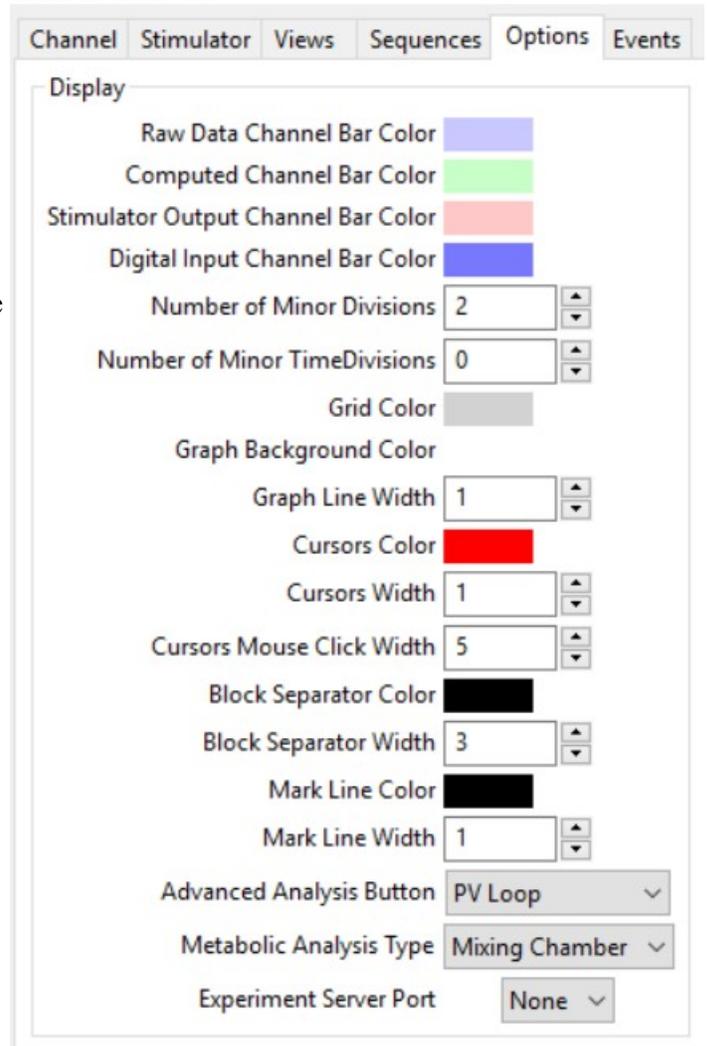
Thickness:

The thickness of the graph lines and the cursors, the marks line and block lines can be set as well.

Cursor Sensitivity:

The sensitivity of the cursor can be set using the Cursor Mouse Click Width setting. This allows the user to click near the cursor and still select the cursor.
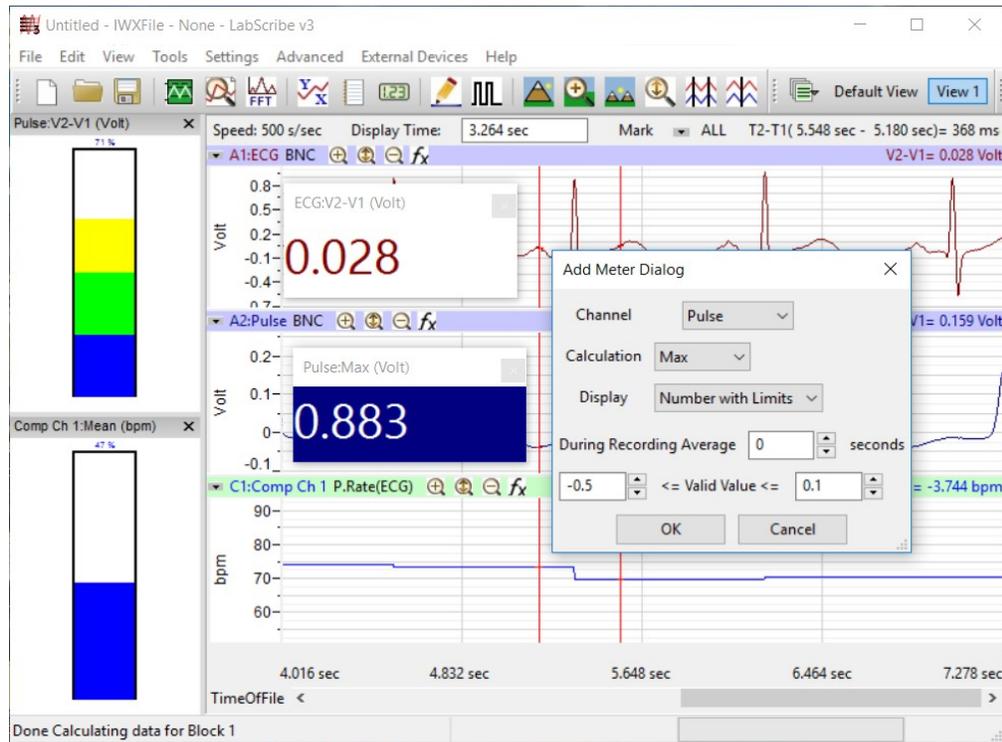
Preferences Dialog

| Channel | Stimulator | Views | Sequences | Options | Events |

Display

Raw Data Channel Bar Color	
Computed Channel Bar Color	
Stimulator Output Channel Bar Color	
Digital Input Channel Bar Color	
Number of Minor Divisions	2
Number of Minor TimeDivisions	0
Grid Color	
Graph Background Color	
Graph Line Width	1
Cursors Color	
Cursors Width	1
Cursors Mouse Click Width	5
Block Separator Color	
Block Separator Width	3
Mark Line Color	
Mark Line Width	1
Advanced Analysis Button	PV Loop
Metabolic Analysis Type	Mixing Chamber
Experiment Server Port	None

Meters

Various meters can be created in LabScribe to display the recorded value as well as some calculations in a larger font.

Manuals

iWorx Lab Manuals are provided as pdf and are available as open document format. These documents can be used with a screen reader and other assistive technologies.