

parameters. ReadDelay is delay in ms between reading and writing to serial port. Raise to improve stability. Lower to improve response. Default is 100ms. Disabled combobox means that parameter is read only (cannot be changed by app)





Debug mode window.

This window is using for debug purposes. It allows app to force run in DSO068 and DSO112A modes. This may be useful if scope is not detected properly (better to use DSO068 mode first).

Command debug 1 group allow you to play with all command used in app to control scope and see immidiately response to this commands (in immediate window) after clicking "Send" button. After selecting desired command, in textbox you can see actual byte configuration (in Hex) of frame (bytes sending to serial port). You can modify values in this textbox and in result change data sended to serial port (remeber that values must be in hex format. Each byte must be separate with ",").In immediate output you can switch between hex and dec values with double click on this output. Checkboxes indicates if in immediate output any recognize output exists. For example, when you select EnterUSBScopeMode, in Immediate output you will expect to see ScopeReady data frame. And if this frame exist in buffer, checkbox "ScopeReady" will be checked.

Command debug 2 allows you to play with scope parameters. To set parameters to scope, you should select "CurrParamDataFrame" from Command debug 1 ComboBox. After that, Command debug 2 became enabled and you can select values in it. As usual after changing any values, you can see actual byte values of frame in textbox contained by Command debug 1. To send frame, click "Send" button.

You can also see actual scope config in Command debug 2. If you select "GetParameters" from Debug window 1 and in immediate output will be recognized CurrParamDataFrame, config will be displayed on Command debug 2.

DebugWindow	- 🗆 X
Serial config Port Name COM4 Baud Rate 115200 Read delay (ms) 50 Command debug 1 DSO.DataFrames.ScopeControlDataFrames.GetParameters FE, C0, 4, 0, 21 A	Command debug 2 HSens VSens TrigType TrigSlope Couple div 10s ✓ div 1V ✓ Auto ✓ Falling ✓ AC ✓ RecLength TrigPos TrigLevel VertPos 256 ✓ 50 ✓ 128 ✓ 0 ✓ Scope info (connect to scope and retrieve config) Populate
Send Immediate output (double click to change between dec and hex) 254, 192, 32, 0, 49, 7, 1, 0, 0, 7, 1, 0, 0, 9, 0, 129, 255, 0, 0, 128, 0, 50, 0, 129, 255, 0, 1, 128, 132, 40, 0, 2, 0	Scope model Detected: DS0068 Readed: "00DS0068 No. of channels 1 Sensitivity changeable by host False Couple changeable by host False Min/max sensitivity setting div5V/div10mV Min/max couple seting DC/GND Min/max trigger mode setting Auto/Single Min/max trigger slope setting Falling/Rising Min/max trigger level setting 0/255
Detected response frame CurrentConfig DataBlock ScopeReady CurrentParams DataSample ScopeModeExited CommandAck	Min/max trigger position 0/100 Min/max record length 256/1024