



GageViewer User Guide

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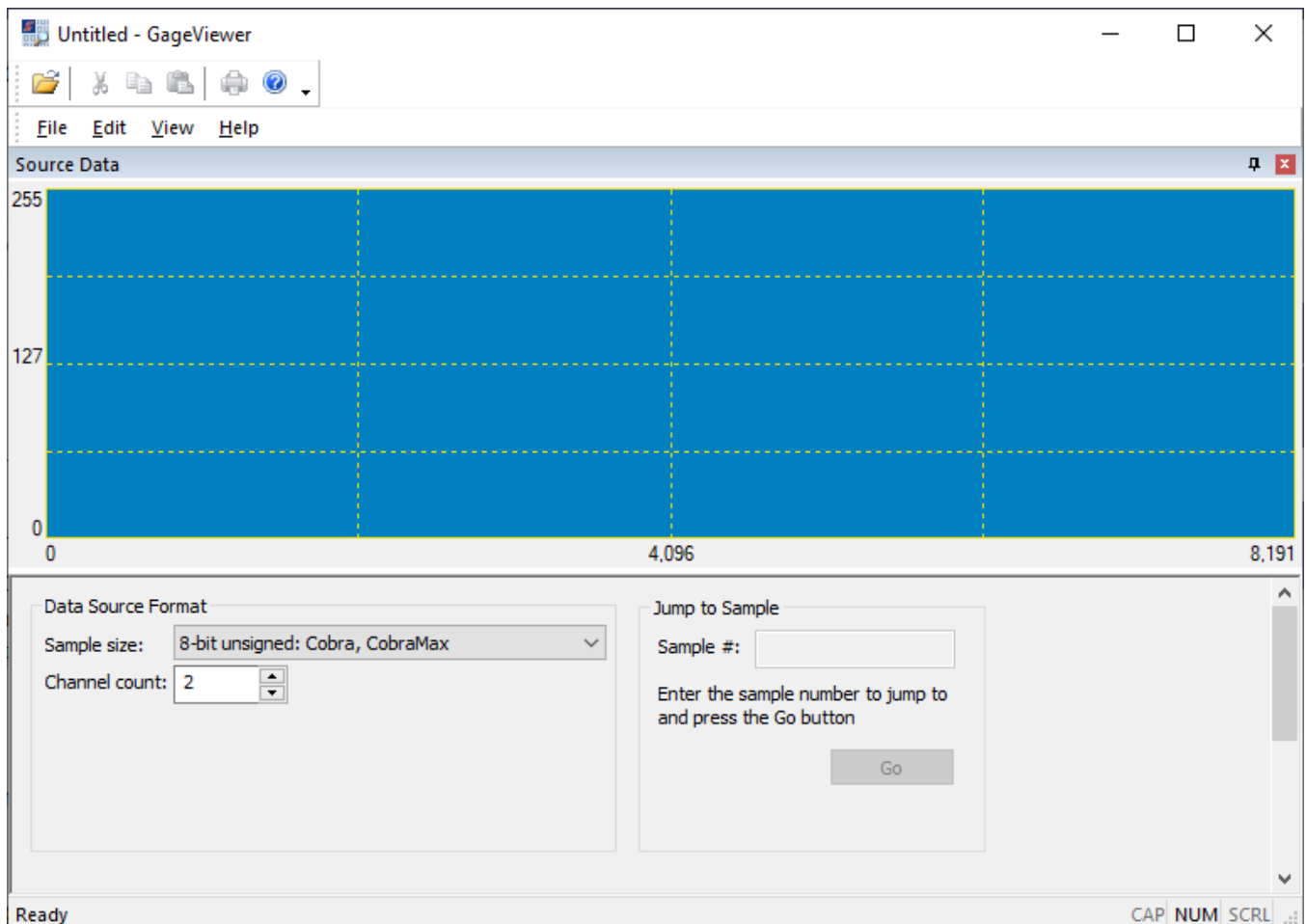
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GageViewer is a simple application for users to view .DAT data files saved by *GageStream2Disk* sample program.

The following picture shows the GUI of GageViewer when it is executed.



Sample numbers are displayed as horizontal axis labels.

Vertical axis labels are raw ADC code values.

The example above is for an 8-bit CompuScope and so the vertical values run from 0 to 255 (since $2^8 = 256$). While these 8-bit values are unsigned, most CompuScopes use signed values. For example, 16-bit CompuScopes produce signed ADC codes that run from -32768 to +32767.

Viewing a DAT file:

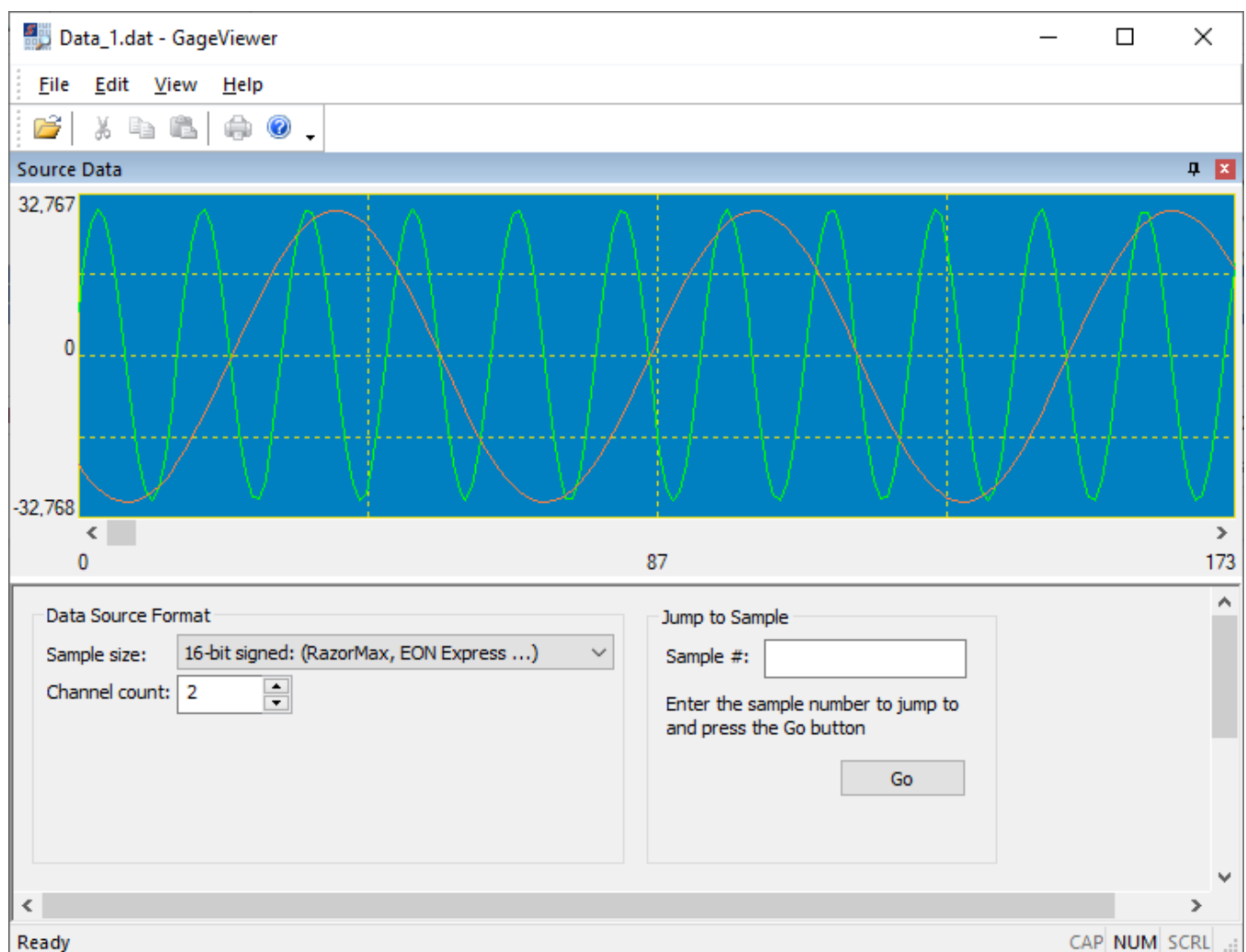
Please follow these steps:

1. Load the file:
 - From the menu bar, click File / Open ...
 - Browse then select the file.

2. Change the Data Source Format:

- Adjust the channel count:
 - Channel count = 1: Data captured in Single Channel Mode
 - Channel count = 2: Data captured Dual Channel Mode
 - Channel count = 4: Data captured in Quad Channel Mode
 - Channel count = 8: Data captured in Octal Channel Mode
- Adjust the Sample size:
 - 8-bit unsigned: For 8-bit CompuScope
 - 16-bit signed: For all 12, 14 and 16-bit CompuScope
 - 12-bit signed: For CompuScope EON Express in 12-bit Packed Mode.
 - 8-bit signed: For CompuScope EON Express in 8-bit Packed Mode.

By default, the first sample in the data (sample #0) will be shown on the left of the display screen. Use the horizontal scroll bar cursor to scroll through and view the entire data file.

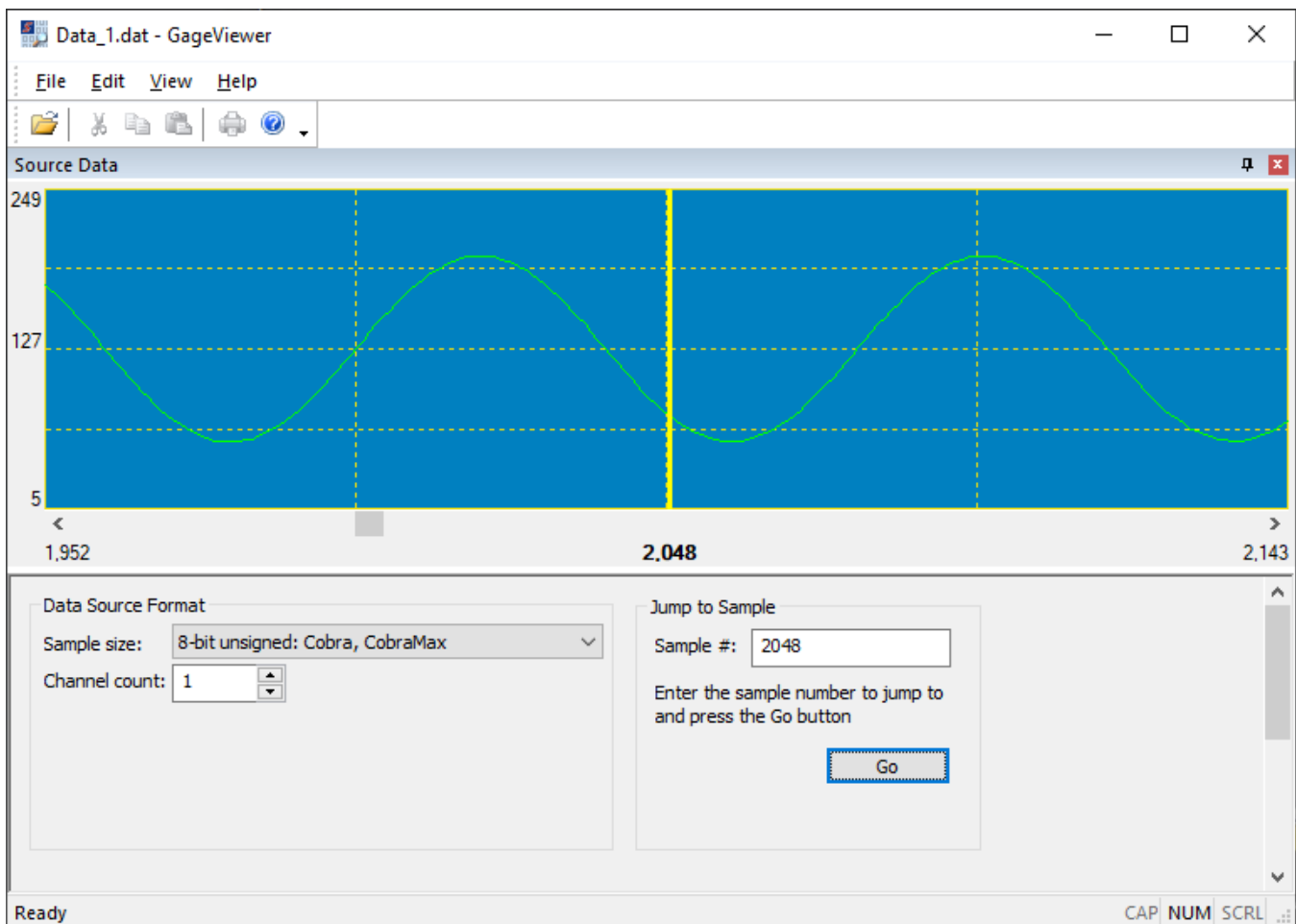


Notes:

- When reading a data file that contains multiple channels, the current version of *GageViewer* does not allow the display of data from only one channel. Data from all channels will be shown one on top of another. However, data from each channel are shown with different colors as shown in the picture above.
- The .DAT file created by *GageStream2Disk* does not have a header. Thus, the data will be properly shown only once the *Sample Size* and *Number of Channels* are set correctly.

Navigating to a Specific Sample in the Data:

One can go to a specific sample by entering the sample number then clicking on the **Go** button. Sample #0 is always the first sample in the data file.

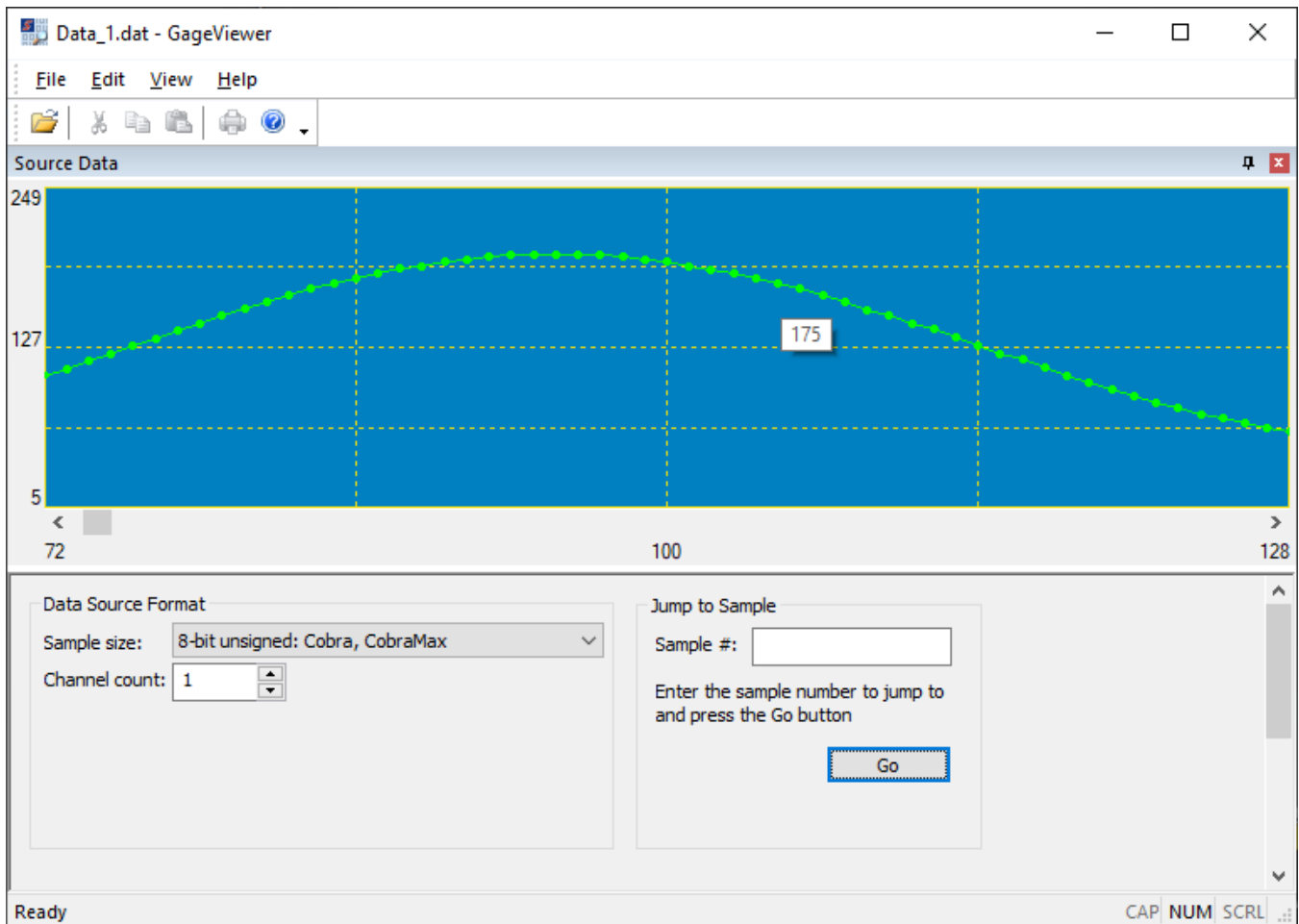


Changing Viewing Scale:

Changing Horizontal scale:

- Wheel mouse up: Zoom in (less samples per division)
- Wheel mouse down: Zoom out (more samples per division)

Once you are zoomed in close enough, each sample will be shown as a point on the screen. Point the mouse cursor at the sample then the ADC value of the sample will show on the screen.



Changing Vertical scale:

- Ctrl + wheel mouse up: Decrease the viewing scale.
- Ctrl + wheel mouse down: Increase the viewing scale.

Technical Support

We offer technical support for all our Software Development Kits.

In order to serve you better, we have created a web-based technical support system that is available to you 24 hours a day.

By utilizing the internet to the fullest, we are able to provide you better than ever technical support without increasing our costs, thereby allowing us to provide you the best possible product at the lowest possible price.

To obtain technical support, simply visit:

<http://www.gage-applied.com/support/support-form.php>

Please complete this form and submit it. Our form processing system will intelligently route your request to the Technical Support Specialist (TSS) most familiar with the intricacies of your product. This TSS will be in contact with you within 24 hours of form submittal.

In the odd case that you have problems submitting the form on our web site, please e-mail us at

tech-support@gage-applied.com

As opposed to automatic routing of technical support requests originating from the GaGe web site, support requests received via e-mail or telephone calls are routed manually by our staff. Providing you with high quality support may take an average of 2 to 3 days if you do not use the web-based technical support system.

**Please note that Technical Support Requests received
via e-mail or by telephone will take an average of 2 to 3 days to process.
It is faster to use the web site!**

When calling for support we ask that you have the following information available:

1. Version and type of your CompuScope SDK and drivers.
(The version numbers are indicated in the About CD screen of the CompuScope CD. Version numbers can also be obtained by looking in the appropriate README.TXT files)
2. Type, version and memory depth of your CompuScope card.
3. Type and version of your operating system.
4. Type and speed of your computer and bus.
5. If possible, the file saved from the Information tab of the CompuScope Manager utility.
6. Any extra hardware peripherals (example: RAID Controller, DSP board, etc.)
7. Were you able to reproduce the problem with standalone Gage Software (e.g. GageScope, CsTest)?