

## VIA Data Utility Instructions for Use

Create a "**Just Basic**" directory on your PC

Copy the ZIP file to the **Just Basic** directory and extract all its files into that directory

Power up the VIA.

Connect the VIA to the PC with a USB to miniUSB cable.

Open Device Manager on the PC and determine which commport number has been assigned to the VIA.

Navigate to the **Just Basic** directory on the PC.

Click on the VIA\_Data\_Util.exe filename. The program should open two windows on the screen of the PC. If they are overlapping, you can click and hold the bar across the top of the empty window and drag it to the right.

In the main window, click on the "Set Commport" button to select the appropriate port number. Repeated clicking on the button will step the port number up to 16 and then it will revert to 1. When the desired port number is showing in the Port box, click on the Apply button. At this point, the setup information should appear in the box to the right of the Apply button.

The Default Directory text box should show the name of the directory where the utility has been installed (e.g. C\Just Basic). A directory (\Data\) will be automatically created when you click on the OK button. The data files will be stored in the **Data** directory within the **Just Basic** directory.

There are default filenames for each of the data files that will be received from the VIA. These may be changed, as desired, by clicking inside the text window for the file you wish to change.

When you select which type of data you wish to transfer from the VIA to the PC, the filename of the file which will receive the data will be automatically selected.

For Setup, Calibrated, and Raw Data transfers, ASCII characters will be displayed on the PC screen as the data is received from the VIA.

Clicking on "Get EEPROM Image" will cause all 64K bytes of the VIA EEPROM to be transferred to an image file on the PC. As data is received by the PC, the display will report the number of bytes received per page--this should be 128 bytes for each page. The last number displayed

should be zero, meaning that the serial data buffer is empty.

Likewise, clicking of "Restore EEPROM" will transfer 64K bytes of image data from the PC back to the VIA. During transfer of data from the PC to the VIA, the display will show the number of the EEPROM page that is currently being transferred (between 0 and 511). There are 512 pages, of 128 bytes each, in the EEPROM.

Since the EEPROM image consists of binary data, no characters are displayed during transfers.

The VIA Data Utility has been tested on Win XP, Win 8, and Win 10. In each case, Device Manager has shown the port number assigned to the VIA. Remember, power up the VIA before connecting it to the PC.