



Dear MEMSIC Customer,

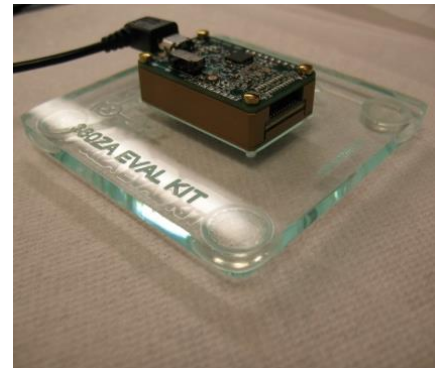
Thank you for purchasing your IMU380ZA-200 evaluation kit.

This kit is designed to allow you to quickly display and log data from the IMU380ZA-200 on your PC. For step-by-step instructions, refer to the **QUICK START GUIDE** on the back side of this flyer. Setup only takes about 5 minutes, it's that easy!

Your evaluation kit consists of the following components:

#### HARDWARE

- IMU380ZA-200 Inertial Measurement Unit
- USB Interface Board (attached)
- Acrylic Mounting Base (attached)
- Micro-USB Interface Cable
- Screwdriver
- Additional Mounting Hardware (for use without acrylic base)



Note: The kit comes fully assembled and ready to use out of the box. It contains an interface board with an On/Off switch, reset button, and status LEDs to indicate power and UART data (RX/TX).

#### SOFTWARE CD

- Nav-View 3.0 (Evaluation Software)
- User Manual

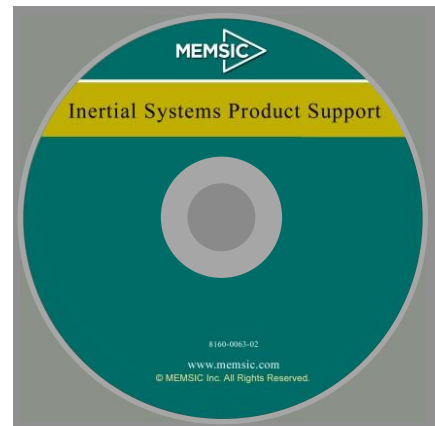
Note: The MEMSIC "Inertial Systems Product Support" CD contains evaluation software from across our entire product line. Only Nav-View is required to view and log data from the IMU380ZA-200.

Nav-View installation file is located in:

...**Software\NAVVIEW 5620-0139-25\setup.exe**

User Manual is located in:

...**Manuals\7430-3810-01 IMU380ZA-200 User Manual.pdf**



We would love to hear your feedback. This helps ensure that future products are optimized to your satisfaction. Please visit <http://www.memsic.com/support/contact-us.cfm>

Thank you!  
The MEMSIC Inc. Team

# QUICK START GUIDE

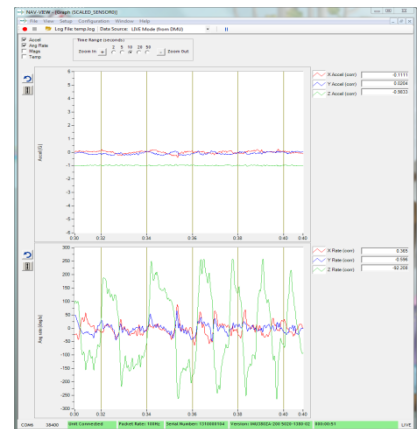
## SYSTEM REQUIREMENTS

- PC with Pentium 4 or greater CPU
- Windows XP, Windows 7, or Windows 8 Operating System
- USB Port (2.0)

## SETUP

- **Hardware & Software Installation**
  - 1.) Unpack the kit from the box
  - 2.) Plug the included micro-USB cable into the eval board and your PC <sup>1,2</sup>
  - 3.) Insert the included CD into your PC's optical drive <sup>3</sup>
  - 4.) Double click the setup file: D:\Software\NAVVIEW 5620-0139-25\setup.exe <sup>4,5</sup>
  - 5.) Flip the PWR switch of evaluation board to the ON position
  - 6.) In Windows, select Start-> All Programs -> NAV-VIEW 3 <sup>6</sup>
  - 7.) In Nav-View, select Setup -> Port -> COMx, where x is highest numbered port

Nav-View 3.0



## DATA

- **Viewing**
  - Whenever you start Nav-View it automatically displays a real time graph (correct COM port must be selected)
- **Logging (recording)**
  - In Nav-View, select the "folder" icon next to "Log File:", browse to a desired location, enter a file name, press OK
  - Press the "Record" button (red circle) to start logging, press the "Stop Record" button (blue square) to stop logging
- **Playback**
  - In Nav-View, change the "LIVE Mode (from DMU)" pull-down to "PLAYBACK Mode (from File)"
  - Browse to the location of the log file, select the file, press the "OPEN" button, click OK to close dialogue box
  - Press the "Play" button (green triangle) to start playback

Please refer to "Appendix A: Installation and Operation of NAV-VIEW 3.X" in the IMU380ZA-200 user's manual for a complete description of how to use NAV-VIEW.

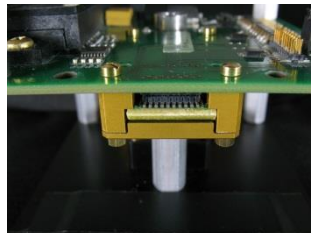
## HARDWARE CONFIGURATION

The kit components can be disassembled and used individually. The included hardware allows you to reconfigure the system; for instance it can be used in a wearable application, or it can be integrated directly with custom hardware. Some examples:

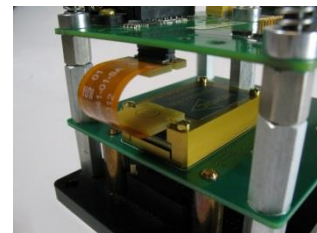
Without Base:



Direct PCB Mount:



Cable Attachment:



### Footnotes:

1. Windows will automatically install the FT232R USB UART drivers and display "Installing device driver software", please wait for "Your device is ready to use".
2. If Windows does not automatically find the drivers, please visit the FTDI website, download and install the "Virtual COM Port" (VCP) drivers manually: <http://www.ftdichip.com/FTDrivers.htm>
3. Nav-View can also be downloaded from our website (called Nav-View 3.5.0), please visit : <http://www.memsic.com/support/technical-documentation.cfm>
4. Drive letter "D:" is shown for reference only, the drive letter of your PC's optical drive may be different
5. Nav-View setup will install Visual C++ 2010, then .NET 2.0, then Nav-View, this may take several minutes.
6. There is no "Start" menu in Windows 8, press the Windows Icon on your keyboard to switch to the Application Launcher

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