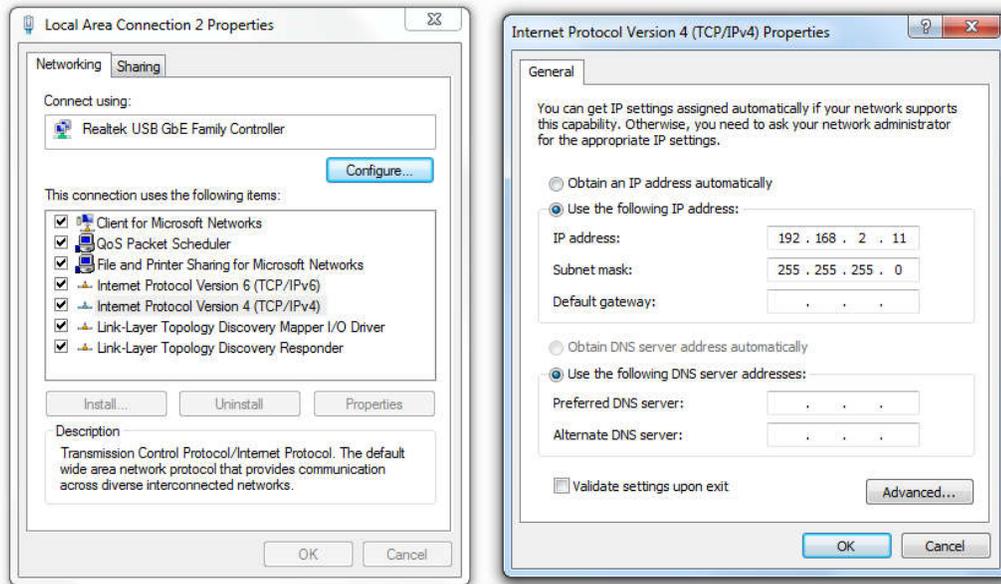


# MFAM Dev Kit Quick Start Guide

## Connect to MFAM through Ethernet

1. Plug the USB drive into your computer. Folders or files mentioned in following sections are all contained in the USB drive.
2. Install the LabView Runtime Engine. The installer file can be found in the “MagViewMFAM” folder.
3. Configure the Ethernet port on your PC to the fixed IP as shown below. You can also use the batch file, in the “Ethernet\_Configuration\_Batch\_Files” folder, to set up the IP automatically.



4. Connect the Dev Kit to your PC using an Ethernet cable and power up the Dev Kit.
5. Copy the *MagViewMFAM\_V1\_3\_2\_Standard.exe* program, in the “MagViewMFAM” folder, to your PC and run the program. MFAM data will be saved in the same folder as the program.
6. More details can be found in *MFAM\_Dev\_Kit\_User\_Guide.pdf*.

## Connect to MFAM through WiFi

1. Follow steps listed in *Ethernet\_WIFI\_Switch\_Instruction.pdf* to load the Dev Kit with the Wireless Interface firmware.
2. Dev Kit creates a wireless access point named “Tezzeret-DK”. Connect your device to this wireless access point.
3. Open your browser and connect to MFAM through the address: *192.168.1.1/status.cgi*.
4. More details can be found in *MFAM\_Dev\_Kit\_User\_Guide.pdf*.

## Design Your Own MFAM Interface Board

- Dev Kit schematics can be found in the “Development Kit Schematics” folder.
- Detailed MFAM connector information, SPI input and output data formatting, as well as the physical dimensions, can be found in *MFAM Module User Guide.pdf*.
- Detailed conversion and scaling information regarding the auxiliary sensors (compass, gyro and accelerometer) can be found in *MFAM Module User Guide.pdf*.