

## Introduction

American Innovations (AI) is pleased to announce version 5.2.3 of our Allegro MX software. This document explains how to install the software on an Allegro MX Field PC®.

If you have questions or need assistance in obtaining this release, or other versions of Allegro software, please contact AI Technical Services at [allegrotechservices@aiworldwide.com](mailto:allegrotechservices@aiworldwide.com) or call 1-800-229-3404, select 1, then press 3.

## Installation Recommendation

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**NOTE:** Complete the steps in this section only if upgrading from version 5.1 or older. If upgrading from a previous version of 5.2.3, see *Upgrade Procedure* on page 3.

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Before beginning the upgrade procedure, AI recommends that you complete the following steps:

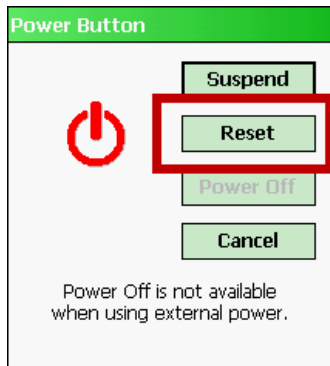
- 1 Sync data on the Allegro with PCS.
- 2 Back up all files on the Allegro's SD card by copying them to your computer. This may be completed using Windows Explorer with the Allegro connected to your computer.
- 3 Delete all files on the SD card.

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**WARNING:** A Factory Default Reset will remove all third party software from your Allegro. You will need to re-install any third party software after the reset completes. Third party software may include GPS Controller or screen capture software.

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- 4 Perform a Factory Default Reset:
  - a Press and hold the *On/Off* button  for 2-3 seconds.
  - b Tap **Reset** (Figure 1).



**Figure 1. Reset Button**

- c** **Immediately** hold down the *Alt*, *Ctrl*, and *Del* buttons simultaneously (Figure 2). The reset screen will then display a status bar across the lower half of the screen. Hold the buttons until you see at least three sections fill in on the bar.



**Figure 2. Alt, Ctrl, and Del Buttons**

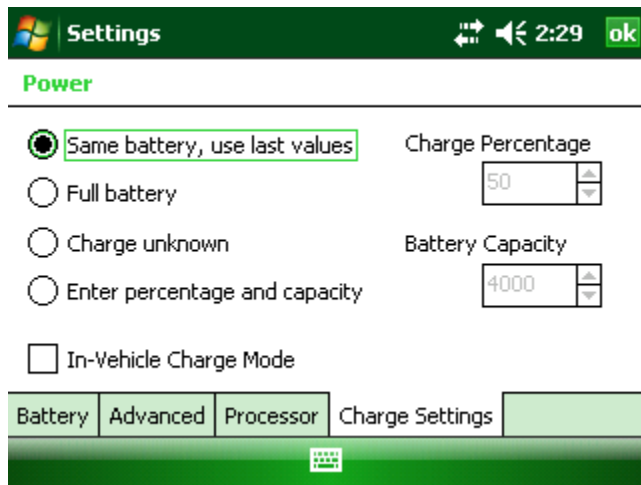
- d** Follow the on-screen instructions to set up your Allegro, including the screen alignment and time and date setup. The tutorial is optional.

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**NOTE:** If an *Unrecognized Card* message displays, tap **OK** and continue.

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- e** If the *Power* screen displays, click **OK** (Figure 3).



**Figure 3. Power Screen**

- 5 Complete the steps in the *Upgrade Procedure* section (below) to install the AI applications.
- 6 Re-install any third party software that is required.

## Upgrade Procedure

Complete the following steps:

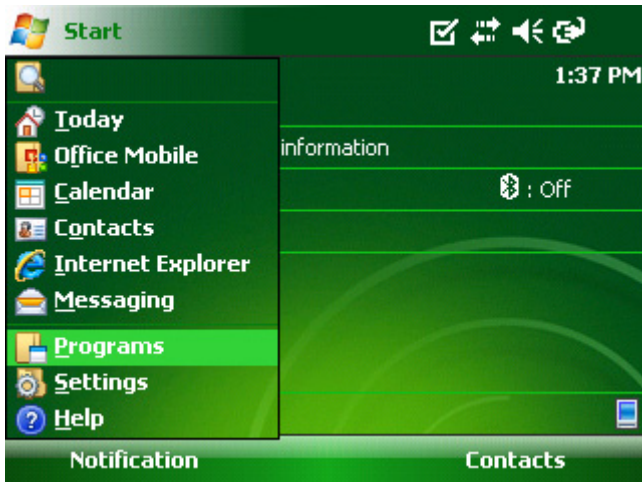
- 1 Connect the Allegro MX to your computer and then start Windows Mobile Device Center.
- 2 Copy the Allegro CAB file (*AI-MX-CE5-5-2-3-2015-02-09.CAB*) to the Allegro MX in the **My Device > SD Card** (or **Storage**) folder using *File Management* in Windows Mobile Device Center.

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**NOTE:** Using a USB flash drive is another method for copying the *CAB* file. (1) Insert a USB flash drive in your computer. (2) Copy the *CAB* file from your computer to the USB flash drive. (3) Remove the USB flash drive from your computer and insert in the Allegro MX. (4) Copy the *CAB* file from the USB flash drive to the Allegro in the **My Device > SD Card** (or **Storage**) folder.

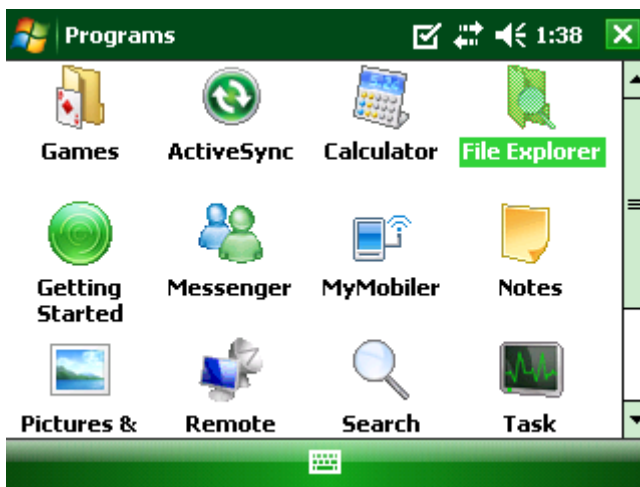
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- 3 On the Allegro MX tap **Start > Programs** (Figure 4).



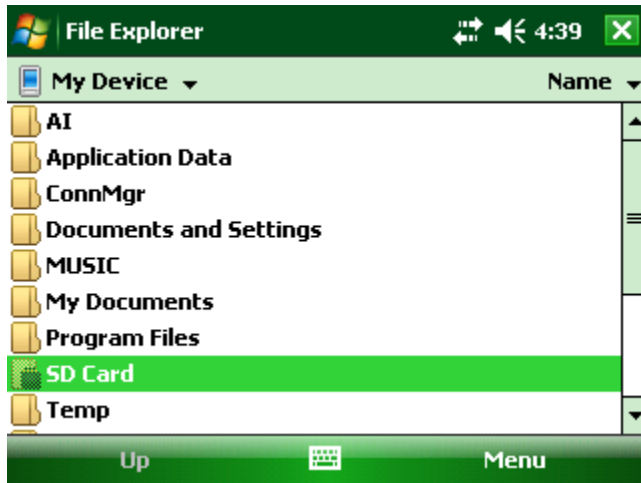
**Figure 4. Programs**

- 4 Tap **File Explorer** (Figure 5).



**Figure 5. File Explorer**

- 5 Tap **My Device** and then **SD Card** (Figure 6).



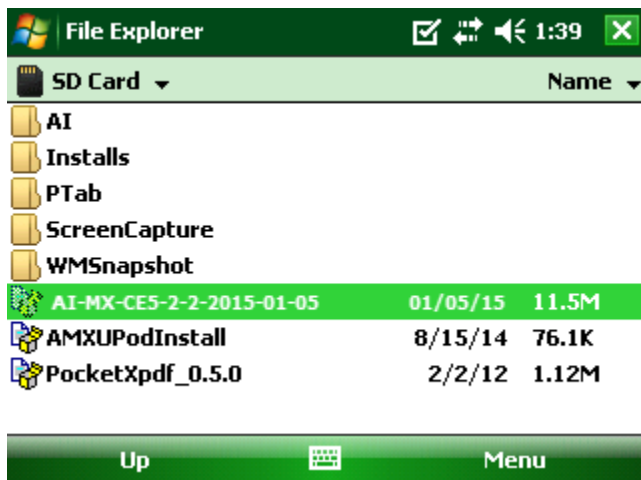
**Figure 6. My Device > SD Card**

- 6 Tap the current Allegro MX CAB file to begin the software installation (Figure 7).

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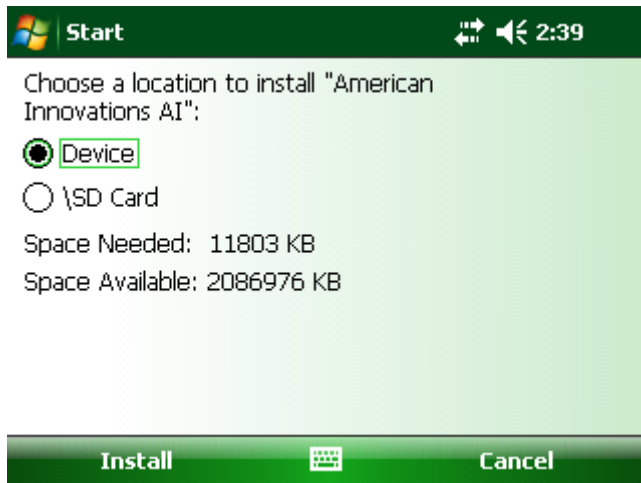
**NOTE:** Delete any older versions of the Allegro MX CAB file.

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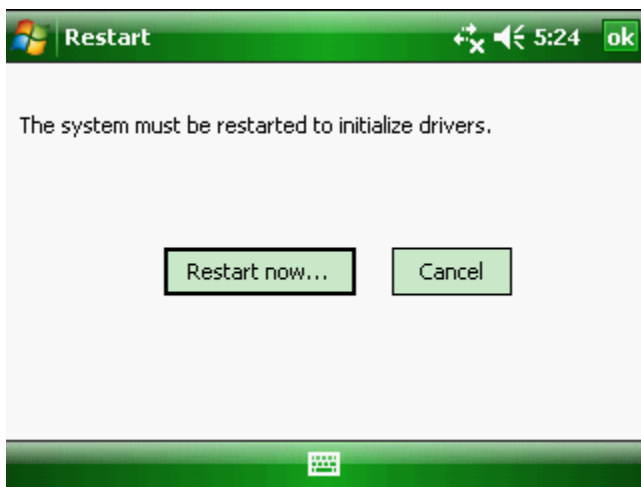
**Figure 7. Software Installation File**

- 7 Ensure **Device** is selected as the location to install the software. Tap **Install** to begin the software installation on the device (Figure 8).



**Figure 8. Install Location**

- 8 Tap **I accept** when the AI Software License Agreement displays. The AI Software License Agreement is located at `\AI\Allegro Software License Rev. 004 1-12.docx` for review.
- 9 Tap **Restart now** (Figure 9).



**Figure 9. Restart Screen**

- 10 To verify the software installed properly:
  - a Tap **Start > AI > CeCi**.
  - b Tap **View > About CeCi** and verify the software version is *CeCi Version 5.2.3*.



**Figure 10. Current Version**

- 11** Copy the *CeFileXfer.exe* file (AI > PCS Interface Files) from the Allegro to the PCS executable folder on your computer. For **Axis**, go to C:\Program Files\American Innovations\PCS Axis 1.X\PCS Axis. For **PCS 7**, go to C:\Program Files (x86)\PCsv7 (or CPDM).
- 12** Install the GPS utility software applicable to your Allegro's GPS receiver. For Trimble Lassen GPS receivers, install GPS Pod Setup. For uBlox, install AMXU GPS Pod Setup. Refer to the *Allegro MX v5.2 User Guide* for more information.
- 13** Reset communication parameters of the Allegro's internal GPS pod (*GPS Pod Setup* utility for Trimble; *AMXU GPS Pod Setup* utility for uBlox). Refer to the *Allegro MX v5.2 User Guide* for further instructions.

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**NOTE:** For uBlox, ensure that the GPS Baud rate is set to **38400**.

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## AI Allegro MX Documentation

A copy of AI Allegro MX documentation (release notes and user guide) installs in the *AI Documentation* folder on the Allegro MX during the software installation. The documents are in Adobe® PDF format and require Adobe Reader® software for viewing or printing. The following procedure explains how to transfer a copy of these documents to a computer.

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**NOTE:** A free copy of Adobe Reader is available for download on the Adobe website at <http://get.adobe.com/reader/0>

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Complete the following steps:

- 1 Navigate to the *Documentation* folder at **My Device** > **AI** using Windows Mobile Device Center.
- 2 Drag and drop the entire *Documentation* folder to your computer.

## Technical Support

If you need assistance with the upgrade or Allegro, have a feature request or bug to report, or have a comment or suggestion about this document, your feedback would be appreciated. Also, if you have a training need for your organization or would like to know more about upcoming Allegro training classes, please use any of the following contact information to reach Allegro Technical Services.

Support Email: [allegrotechservices@aiworldwide.com](mailto:allegrotechservices@aiworldwide.com)

Support Telephone: 1-800-229-3404

American Innovations: <http://www.aiworldwide.com/>