

# **REMS AutoSampler**

Automated TEER Measurement (version 6.02)

Seria	l No.			

www.wpiinc.com

030719

## **UPGRADING FROM REMS 6.01 TO REMS 6.02**

- 1. Login as a REMS user with administrator privileges.
- 2. Uninstall NI serial 4.0. This also removes the existing **REMS** program. If this is not done the following warning appears.

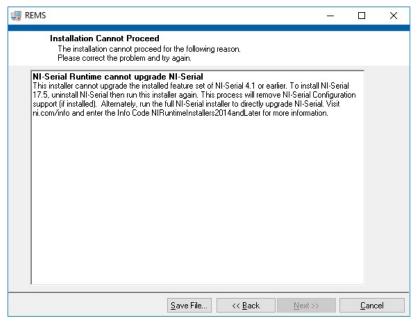


Fig. 1—A warning appears if you fail to uninstall NI serial 4.0 prior to installing the new REMS version.

**NOTE**: This uninstall does not affect any prior **REMS** data or plate configuration files. However, it is best to copy the REMS folder (C:\user\REMS\documents\REMS) to your desktop.

To uninstall the NI software, open the National Instruments Software window. Highlight **NI-Serial 4.0** in the Products tab and click on the **X** button to delete the software. The Dependent Products Detail screen appears. Click the **Remove All** button.

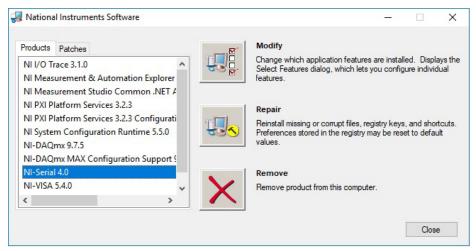


Fig. 2—Choose the NI-Serial 4.0 on the National Instruments Software screen and click the X button.

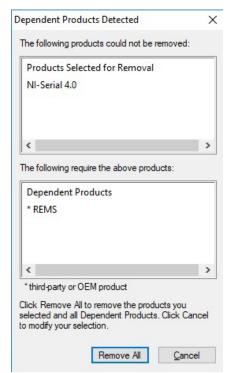


Fig. 3—The Dependent Products Detected screen appears.

- Reboot the PC.
- 4. Install the new REMS software. The REMS window appears showing the destination directory where the software will be installed. Click the **Next** button.

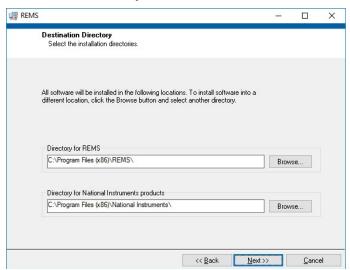


Fig. 4—The REMS install screen show where the REMS software will be installed.

Important information about your system appears on the REMS install screen. Click the **Next** button.

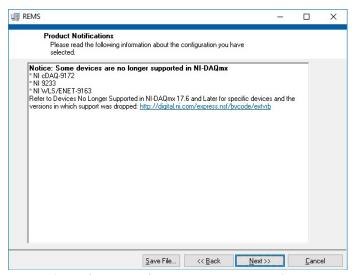


Fig. 5—The configuration of your system appears on the REMS install screen.

The National Instrument License Agreement appears. After reading it, click the acceptance radio button and press the **Next** button.

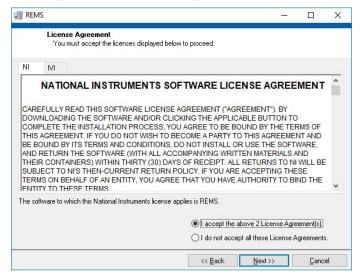


Fig. 6—The National Instruments License Agreement appears on the REMS install screen.

Review the final installation summary and click the **Next** button.

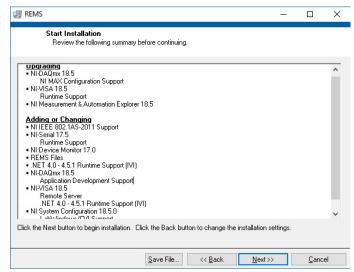


Fig. 7—An installation summary appears on the install screen.

- 8. Reboot the PC. After rebooting, launch NI-Max. Then do the following:
  - Select Devices and Interfaces.
  - Click on the active NI PCI 6220 board and verify that the NI PCI 6220 is named DEV1.
  - If you see DEV2, then delete the inactive DEV1. Then rename DEV2 to DEV1.
  - · Save the configuration by clicking the **Save** (disk) button.
  - Push the **Reset** button.
  - Perform a self-test by clicking the **Self-Test** button.
  - · Calibrate the software by pressing the **Self-Calibrate** button.
  - Close the program.

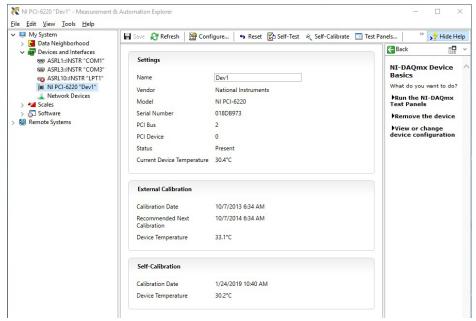


Fig. 8—The NI Max interface.

9. As an administrator, copy the files in the plate configuration folder located at C:\user\REMS\documents\REMS\Plate\_Configurations\ to C:\Users\Public\ Documents\REMS\Plate\_Configurations. The installation is now complete.

# **REMS 6.02 Operations**

When you open the **REMS** program, a new user gets a copy of all three folders from C:\Users\Public\Documents\REMS\:

- · Plate Background
- Plate\_Configurations
- · Plate Data

The following tab screens are what should be seen if the **REMS** program is launched as the **REMS** user.

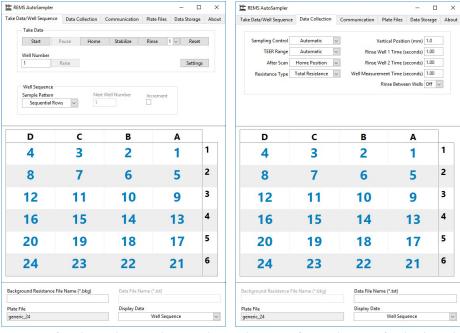


Fig. 9—(Left) Tab 1 (Take Data) lets you change the setting for Display Data for the desired reading.

Fig. 10—(Right) Tab 2 (Data Collection) let you change the vertical position, rinse time and read time to the desired values.

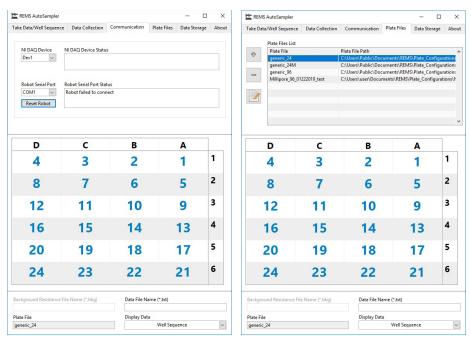


Fig. 11—(Left) Tab 3 (Communications) shows the setting for the NI board is DEV1. Fig. 12—(Right) Tab 4 (Plate Files) shows that the default pointer for the probe positioning files is set to the public folder. You may point to a copy in your [user]\documents folder, but it is advised to use a central location under public. If there are any changes to the main XYZ file, then all users access that change.

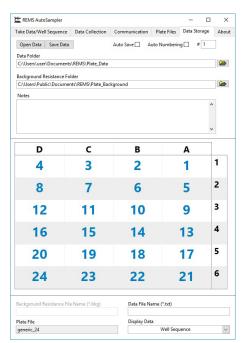


Fig. 13—Tab 5 (Data Storage) shows the default storage locations. If a user selects the folder icon, he is redirected to his documents\REMS folder instead of the location displayed. It is advised to enter a file name for both the background and data file and save the dummy file name. To enter a name for the background file, click on the entry window (lower screen on the left) to allow text to be entered and type a file name. Then select the Save Background button (in the upper screen on the left). Repeat this procedure for the dummy data file name.

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<sup>\*</sup> Electrodes, batteries and other consumable parts are warranted for 30 days only from the date on which the customer receives these items.

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