

# How to Update 1280 Series Firmware

**IMPORTANT!** Before upgrading 1280 v2.0 firmware, erase the option card firmware for the A/D Scale Card and the Analog Input card. Earlier versions of 1280 firmware will not be able to communicate with these option cards, after the upgrade is complete, unless this step is followed.

Firmware steps cannot be skipped. Updating needs to follow the progression as shown

## How to determine your 1280 Firmware version

Entering configuration mode, the firmware version is displayed on bottom of 1280 screen.

## How to download the 1280 Firmware:

[www.ricelake.com/1280](http://www.ricelake.com/1280)

To see option card firmware versions (while in V1.11) enter EDP command "DUMPVERSIONS"

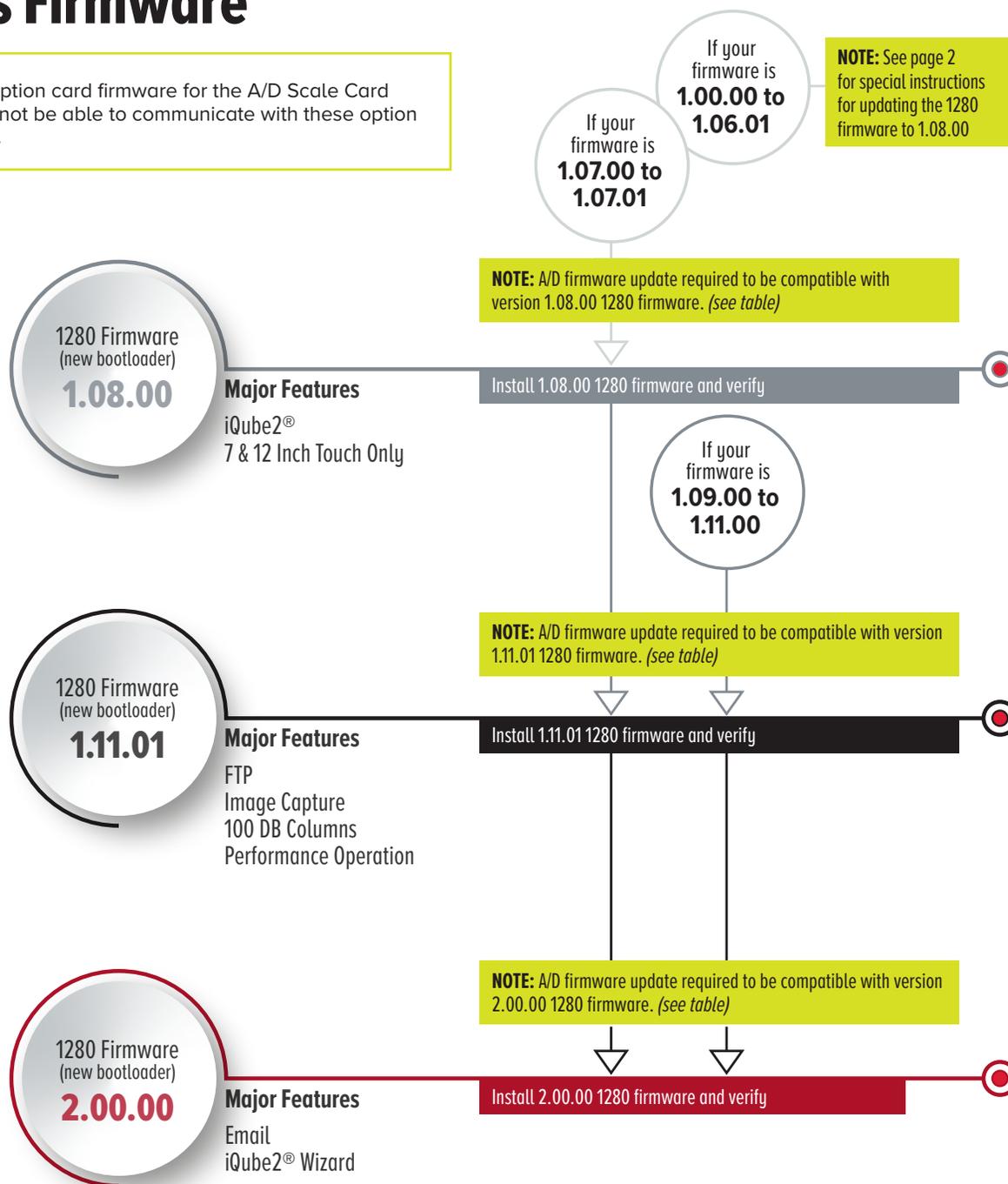
OPTION CARD FIRMWARE TABLE

Option Cards	Current released version	Oldest version that will work with 1280 V2.00	Action required
<b>1280 A/D Scale Card</b>	V1.05.01	V1.04	Reflash card from 1280 Firmware OR revert back to V1.11.01
<b>1280 DIO Card</b>	V2.01	V2.01	No bootloader – RMA card OR revert back to V1.11.01
<b>1280 Fieldbus Card</b>	V2.02.01	Any (EXCEPT V2.01)	No bootloader – RMA card OR revert back to V1.11.01
<b>1280 Serial Card</b>	V2.00.02	V2.00.02	No bootloader - RMA card OR revert back to V1.11.01
<b>1280 Analog Output Card</b>	V1.02	V1.02	No bootloader - RMA card OR revert back to V1.11.01
<b>1280 Analog Input Card</b>	V1.03	V1.03	Erase card from 1280 and then reflash card from PC OR revert back to V1.11.01
<b>1280 Relay Card</b>	V1.00	V1.00	

If installing replacement CPU board, version 1.11 is included on USB memory stick.

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# Updating the 1280 from 1.06.01 and Earlier to Version 1.08

If already at 1.07.00, Update to 1.08.00  
using normal procedures

How to download the 1280 Firmware:  
[www.ricelake.com/1280](http://www.ricelake.com/1280)

1. Download the 1280 firmware version 1.08 from Rice Lake's website.
2. Unzip/extract the downloaded file 1280version\_1\_08.zip. Once unzipped, you will notice the following zipped files:
  - 1280\_Bootloader\_2\_00.zip
  - 1280\_Firmware\_1\_08.zip

*NOTE: To install both the boot loader and firmware (required for 1280 systems version 1.06.01 and earlier), they must be done in the following order.*

- 1280\_Bootloader\_2\_00.zip  
This must be installed first, as it contains only the bootloader and other required low-level data.
- 1280\_Firmware\_1\_08.zip  
The firmware contains added features for all 1280 systems. It requires information in the boot loader to already be installed.

## Installing the Boot Loader

1. If you have not already done so, unzip the 1280\_Bootloader\_2\_00.zip file and copy the directory to a USB flash drive.

*NOTE: Ensure the files are copied to the root of the flash drive.*

2. Insert the flash drive into the 1280's USB port.
3. Complete the firmware update process as described in the manual.

*NOTE: If this process fails, check the update.log file in the update directory on the flash drive. If you need assistance, please contact Rice Lake's technical support at 800-472-6703 and make sure you have access to the update.log file to aid troubleshooting.*

4. If the firmware update process was successful, the system will reboot. You can proceed to installing the firmware.

## Installing the Firmware

1. If you installed the boot loader in the above section, make sure those files are removed from the USB flash drive before proceeding.

2. Unzip the 1280\_Firmware\_1\_08.zip file and copy the directory to your flash drive.

*NOTE: Ensure the files are copied to the root of the flash drive.*

3. Insert the flash drive into the 1280's USB port.
4. Complete the firmware update process as described in the manual (PN 167659).

*NOTE: If this process fails, check the update.log file in the update directory on the flash drive. If you need assistance, please contact Rice Lake's technical support at 800-472-6703 and make sure you have access to the update.log file to aid troubleshooting.*

5. If the firmware update process was successful, the system will reboot.

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