DYCOR

SmartVue™
Process Control Monitor

Updating the Boot Loader

The SmartVue's embedded boot loader firmware can be updated when new releases become available that expand or improve functionality. Updates will be made available on the SmartVue website (www.smartvue.ca) or can be e-mailed directly to the customer as needed. Some updates will be provided freely while others may require a license.

Updates are in the form of a SmartVue Application file ending with a .sva extension. Updating does not affect stored configuration settings.

➢ **To upload a new firmware version**

1. Press **Menu > SmartVue > Upload Firmware**. This will display the message shown in the figure below.

   SmartVue™
   A USB flash drive containing the new firmware is required. Confirm that you want to shutdown and start the upload process.
   OK   Cancel

2. Copy the SmartVue application file to a USB flash drive and insert it into the USB port on the back of the unit, then press **OK**. (Pressing **Cancel** will return you to the SmartVue menu without updating the unit.) The SmartVue Application Loader will begin and display the following message:

   SmartVue™
   SmartVue Application Loader
   Insert USB Flash Drive
   Containing Application
   (xxxxxxxx.sva)
   OK   Cancel

3. The Application Loader will detect the .sva file and display a message similar to the one shown below.

   SmartVue™
   Install Application
   SmartVue Bootloader
   Version 1.08 ?
   OK   Cancel

   Press **OK** to proceed. The following screen will be displayed to indicate the progress of the firmware programming stages.

   Pressing **Cancel** will reset the SmartVue without updating it.

   SmartVue™
   Programming in Progress
   Stage 2 of 4

   Once uploading is completed, the SmartVue will prompt you to touch the screen so it can initiate a reset.

4. Press **OK** to start updating the boot loader.

Do not power off the SmartVue while the boot loader is being updated.

5. When the boot loader has been updated, press **OK** to restart the SmartVue.

   Once the SmartVue has restarted you will be prompted to re-install the application firmware. Touch the screen.

6. Remove the USB flash drive containing the boot loader update and insert another one containing the application firmware.

7. Copy the SmartVue application file to a USB flash drive and insert it into the USB port on the back of the unit, then press **OK**. The SmartVue Application Loader will begin and display the following message:

8. The Application Loader will detect the .sva file and display a message similar to the one shown below.

Press **OK** to proceed. The following screen will be displayed to indicate the progress of the firmware programming stages.

Pressing **Cancel** will reset the SmartVue without updating it.

Once updating is completed, the SmartVue will prompt you to touch the screen so it can initiate a reset. During the reset you may see the message, "Uploading DSP firmware" at which time the digital signal processor firmware will also be updated.

9. Remove the USB flash drive.

Updating When Powering On
If the unit if off you can press and hold on the touch screen while powering on the unit. If a USB flash drive is not detected the touch screen calibration feature will start followed by the brightness adjustment screen for the LCD, you'll then be prompted to insert a USB flash drive containing a file for the new firmware if you wish to update the firmware to a new version. If the USB drive is already inserted the touch screen calibration and brightness adjustment steps will be skipped.

Save Time Upgrading Multiple Units
You can actually remove the USB flash drive after Stage 1 of 4 is completed. This will help you save time if you are upgrading multiple SmartVue's with a single flash drive.

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