
Downloading New Firmware and Printing New Labels to Update a BaseStation 3200

Baseline offers several options for updating a BaseStation 3200 controller that is operating on firmware version 11.7.5.15 (or earlier) to the V12 firmware. The option that is offered at no cost is downloading the new firmware and printing new faceplate labels from the Baseline web site. If you prefer to have the update materials delivered to you, contact your distributor to learn about the options and pricing.

This document explains the steps for downloading the V12 firmware for the BaseStation 3200 from the Baseline web site and printing new faceplate labels for your controller.

IMPORTANT NOTE! In the V12 firmware, the buttons are in a different order and the dial positions are different from previous versions. Due to these changes, you must replace the controller labels if you upgrade the firmware.

Materials

- USB thumb drive
- Computer that is connected to the Internet and to a printer
- Adhesive-backed label material (8.5"x11") for your printer
- Allen® wrench (1/16 size) for removing the dial knob on the controller

Record Your Programming Details

When you update your BaseStation 3200 to the new firmware, most of your programming will be transferred; however, you should be prepared to re-enter the following programming details:

- **Point of Connection (POC)** – Record the serial numbers of decoders that are assigned to master valves, pump starts, and flow meters. For each device, record whether it is normally open or closed, and other important details such as flow limits, budgets, K-value, and offset.
- **Event (Pause) biCoders** – Record the serial numbers of your event decoders. For each device, record the details of the start/stop conditions.
- **Temperature Sensors** – Record the serial numbers of your temperature sensors. For each device, record the details of the conditions that these sensors are monitoring.
- **Event Days** – Record all event days and pertinent details so you can re-enter the information.
- **Serial Number** – Record the controller's serial number.

Download and Unzip the V12 Firmware

To download the software from the Baseline web site

1. On a computer that is connected to the Internet, go to the Baseline web site at the following URL:
www.baselinesystems.com
2. On the home page, click the **Support** tab, and then click the **Firmware Updates** in the menu on the left.
3. Click the **BaseStation 3200 V12 Firmware** tab.
4. Click the **Download** button for the V12 firmware.
5. When prompted, choose the option to **Save** the file, and then click **OK**. The Update.zip file is saved in the Download directory on your computer.

Note: A file with a .zip extension is a compressed file that needs to be “unzipped” in order for it to be used.

To unzip the compressed update file

1. In Windows Explorer, navigate to the **Download** directory.
2. Find the .zip file, and then double-click the file to unzip it. The Update folder now displays in the Download directory.

To copy the Update folder to your USB drive

1. Plug the USB drive into a USB port on your computer.
2. When Windows prompts, click the option to open the folder and view the files. A Windows Explorer window opens and displays the contents of the USB drive.
3. In another Windows Explorer window, find the **Update** folder in your **Download** directory.
4. Right-click on the **Update** folder, and then click **Copy**.
5. Go to the Windows Explorer window for the USB drive.
6. Right-click in the file pane, and then click **Paste**. The Update folder (along with its contents) is copied to the USB drive.
7. Close the Windows Explorer window for the USB drive.
8. In the System Tray area of your Windows Desktop, click the option to **Safely Remove Hardware and Eject Media**.
9. When the **Safe to Remove Hardware** message displays, unplug the USB drive from the computer.

Update the Firmware

1. On the BaseStation 3200 controller, plug the USB drive that has the V12 firmware on it into the USB port.
2. Turn the dial to the **AUX** position.
3. Press the **NEXT** button to move to the **System** option, and then press the **ENTR** button.
4. To move the cursor out of the serial number box, press the **PREV** button. The box below the serial number is highlighted red.

2/13 - 8:33 AM	SETUP/CONFIGURE
Serial Number	3K 0 0 1 9 1
AL: 01/14/11 = 01/14/11 BP: 01/30/08 = 01/30/08 CE: 03/28/08 = 03/28/08 IA: 01/19/12 = 01/19/12	* UPDATE *
1-866-294-5847	Temp = 80.6 F
* CAUTION: use only as directed by Baseline Support * Use CLR to exit	

5. Press the – button **two times**. The word UPDATE displays in the red box.
6. Press the **ENTR** button. The controller restarts automatically.

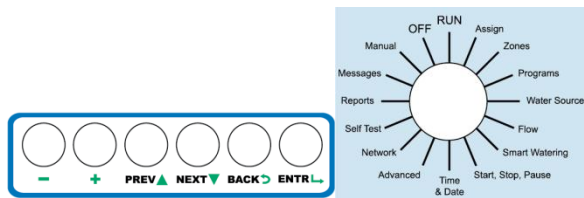
Note: If the controller does not restart automatically, turn the dial to the OFF position. Press and hold the – and + and **ENTR** buttons at the same time for five seconds, and then release the buttons. Wait for the controller to restart.

7. Unplug the USB drive from the port after the controller has completely restarted.

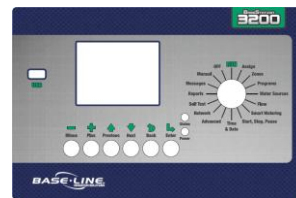
Print and Prepare the Labels

Before proceeding, determine whether you prefer to print the individual overlay labels for the buttons and the dial or the complete faceplate label.

Individual Overlay Labels



Complete Faceplate Label



1. On a computer that is connected to the Internet, go to one of the following URLs on the Baseline web site:

Individual Overlay Labels

www.baselinesystems.com/mediafiles/pdf/V12_Upgrade_Overlay_Artwork.pdf

Complete Faceplate Label for X, XS, and P Series Enclosures

www.baselinesystems.com/mediafiles/pdf/V12_Upgrade_X_Label.pdf

Complete Faceplate Label for C Series Enclosures

www.baselinesystems.com/mediafiles/pdf/V12_Upgrade_C_Label.pdf

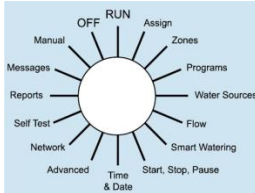
2. Load the label material into the printer that is connected to the computer, and make sure that the printer is turned on.
3. On the web page where the label image is displayed, right-click the mouse button, and from the menu that displays, click **Print**. In the Printer dialog box, click **Print**.
4. Using a sharp hobby knife, such as an X-Acto knife, carefully cut out the labels. Cut holes for the buttons, knob, USB port, display, and dial as needed.

Apply the Labels

The steps for applying the labels differ slightly depending on the labels that you are using. Review the following steps and perform those that apply to your situation.

1. Make sure that the surface of the faceplate where the label will be applied is clean and dry.
2. Remove the backing from the label material.
3. Carefully align the label in the correct position and firmly press it into place.

- Turn the dial to the **Auto Run** position.
- Use the Allen wrench to loosen the screw that holds the dial knob onto the shaft, and then remove the knob from the shaft.
- Make sure that the faceplate surface around the dial shaft is clean and dry.
- Remove the backing from the dial overlay label or the complete faceplate label.



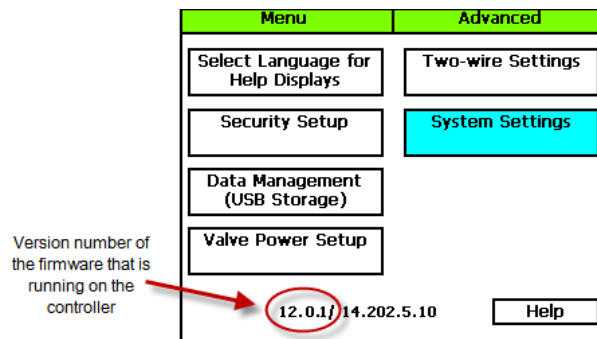
IMPORTANT NOTE! Position the label so that the RUN option is exactly in the 12:00 position as shown in the illustration above. If you affix the label in another position, the dial positions will not match the options.

- Carefully align the label over the existing dial positions and firmly press it into place.
- Align the pointer on the dial knob with the **RUN** option, and then push the knob back onto the shaft.
- Use the Allen wrench to tighten the screw that holds the dial knob onto the shaft.

Verify the Firmware Update

- On the BaseStation 3200 controller, turn the dial to the **Advanced** position.

The version number of the firmware displays at the bottom of the screen.



Note: If the firmware did not update as expected, please call Baseline Support at 866.294.5847.

Re-enter Your Programming Details

Using the details that you recorded at the beginning of this procedure, re-enter the programming that did not transfer with the new firmware.

Note: The V12 firmware includes detailed online help for all controller options. To display the help, select the Help option on any screen, and then press Enter. To navigate within the help, press the Next and Previous buttons. To exit the help, press the Back button.

Use the following dial positions to update and verify your programming:

- **Time & Date** – Ensure that the correct date and time is set.
- **Water Sources** – Assign decoders to pumps or master valves, search for and assign flow devices with K-value and Offset, assign pump/master valve devices, and flow meters to POCs, set limits and budgets for each point of connection (POC)
- **Flow** – Assign a POC to a specific mainline number, assign programs to mainlines, set up mainline operating limits
- **Start, Stop, Pause** – Find and configure any event biCoders that you have installed, find and configure any temperature sensors that you have installed, configure event days
- **Self Test** – Test each two-wire device and fix any address problems, test all two-wire devices on the controller, view the full test results in the Reports dial position
- **Reports** – Make sure that Test All displays in the Select Report field. To scroll through the report, press the Next button to highlight the Scroll field, and then press the + button.
- **Advanced** – Select the System Settings option and make sure that the controller serial number matches the number that you wrote down. If the serial number does not match, press the Next or Previous button to move to the number that you need to change, and then press the + or – button to change the number.