

Feed Calibration Ensure Correct Output with Feed Calibration Know Before You Print



Roland

Feed Calibration - Know Before You Print

Feed Calibration performs a very important function which is often overlooked. The Feed Calibration adjusts how the printer compensates for the thickness and weight of the media as the media is being fed off of the roll. When the Feed Calibration is set improperly, consistent dark overlapping lines or white lines will be seen in the output. The key indicator that the Feed Calibration is set incorrectly is that the results will be consistent throughout the entire print.

Performing the Feed Calibration

The first step in performing the **Feed Calibration** is setting up the media that you are going to be using. It is important to set up the media in the exact manner that the media will be printed. For example, if the prints will be output using the take up reel, be sure to perform the feed calibration while using the take up reel. Factors such as this are important because they influence how the media tracks through the machine and will ultimately affect the **Feed Calibration**.

Once the media is set up press the **Menu** key and press the **Down Arrow** until you reach **Calibration**. Press the **Right Arrow** and **Test Print** will be shown. Press **Enter** to perform the **Feed Calibration Test Print**.



Note: Depending on what model printer is being used and the firmware that is loaded the **Feed Calibration** can appear in two forms. Either a single print showing the current setting or a series of prints that shows the current setting with variances of six prints with a higher setting and six prints with a lower setting. In this instance the **Feed Calibration** that is currently set will have a carat indicating the current setting. Newer model printers will feature the **Feed Calibration** print similar to the one above.

The multiple print version of the Feed Calibration is available on **VP, RS, XC, XJ, LEC & AJ** printer models. If you have one of these models and are seeing the single output test pattern please take the steps to upgrade your firmware. See **www.rolanddga.com** and click on **Support** for additional information.

Continued Next page



Feed Calibration - Know Before You Print

Reviewing and Adjusting the Test Print

No matter which type of Feed Calibration Test Print is displayed the correction method is the same.



A. The ideal out put shows the two boxes just touching so that there is no gap or overlap

B. If a gap is present decrease the value by going to **Menu, Calibration, Setting** and pressing the **Down Arrow** to decrease the percentage shown to match what setting is best on the test pattern. Press **Enter** to save the value. If the printer does not show multiple test patterns perform the **Feed Calibration, Test Print** again to check the results.

C. If an overlap is present increase the value by going to **Menu, Calibration, Setting** and pressing the **Up Arrow** to increase the percentage shown to match what setting is best on the test pattern. Press **Enter** to save the value. If the printer does not show multiple test patterns perform the **Feed Calibration, Test Print** again to check the results.

Tech Tip: The **Feed Calibration** is a very fine adjustment meaning that an incremental adjustment of .05% or 10% is very small. Some media will require an adjustment in much larger steps.

Note: The Feed Calibration setting on the printer will be overridden by Versaworks as a default. This can lead to a very confusing scenario where the Feed Calibration setting doesn't appear to make any adjustment. Please see the next page for information on setting the Feed Calibration in Versaworks.

Continued Next page



Feed Calibration - Know Before You Print

Setting the Feed Calibration in Versaworks

Roland

Once the proper **Feed Calibration** has been established on the printer it is important to make sure this setting is correct in **Versaworks**. Once **Versaworks** is open and a job has been loaded, perform the following steps:



A. Double click on the print job to bring up the **Job Settings** window and set up your media size, copies and other relevant items under **Layout**.

B. Select the **Quality** tab and Select the proper **Media Type** for the job. This step is critical because the **Feed Calibration** is tied to the type of media being used. When the **Media Type** is changed the **Feed Calibration** setting will change to the setting which is default for the Media Type.

C. Next select the **Printer Controls** tab on the left hand side and under **Feed Calibration Controls** choose **Use Printer Setting**.

D. Select OK to save the settings.

Tech Tip: In step C you can also select Use Custom Settings and enter in a value for the Feed Calibration. This allows for making corrections to the Feed Calibration without changing the settings manually on the printer. If you choose Use Default Media Settings or Use Custom Settings the value that has been set on the printer will always be overridden.

Tech Tip: In addition to having multiple test patterns which make for a quick and easy selection to be made the **RS**, **XJ** & **AJ** printer models allow adjustment of the **Feed Calibration** mid-print by taking the following steps:

A. Press the Menu key

B. Scroll to **Calibration, Setting** and pressing the **Down Arrow** to decrease the percentage shown or **Press** the **Up Arrow** to increase the value.

C. Press Enter to save the change in value.

For additional details please consult your user manual.

Further Support

Should further support be needed or any additional questions arise about the processes in this document please contact your local supporting dealer. As always, thank you for choosing Roland.



Top settings [stars_perneps]	
V	
Layout	General Cut Sheet after Output Use Custom Settings
Quality	Page Space : 40 vmm Overprint : 1 v Times
Color Adjustment	Feed Calibration Controls Use Default Media Settings Use Custom Settings Use Custom Settings Use Custom Settings
	Use Default Media Settings 💌
Mark	Vacuum Power : Strong 💌
Printer Controls	Dry Time : 0 V Minutes Head Height : V
Cut Controls	Heater Controls Use Printer Settings
	Print Heater :