

# Roam Resolution

## Xitron Navigator Technical Note

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Can I change the resolution of reduced ROAM?

The answer to this question is a definitive “sort of,” and this answer has only been tested on the 4.1r2 RIP

First some background. With the 4.1r2 RIP, the reduced ROAM will attempt to fit the entire ripped image in the monitor space available to it. This is not normally an issue with small pages (say 9 X 12 or 11 X 17) because the ratio by which these are reduced is still large enough for the user to see important features on the page. However, if you are ripping a full flat (imposed pages) the ratio in the reduced roam window can be quite small (1:128 for instance). This will make the image on the screen too small for the user to distinguish items on the individual pages. The reduced roam becomes effectively useless for proofing purposes.

Although you do not have complete control of the ratio that will be used for the reduced roam window, you can set a maximum ratio. That is, you can tell the RIP not to reduce the roam by more than a specified amount. The setting that you establish will be global and the results will vary somewhat if you are using different resolutions. However, with some experimentation a pleasing setting can be established.

OK, where is all of this done? These changes are made in one of the RIP’s internal configuration files. Normally we do not encourage users to mess with these files, but all rules were meant to be bent. However, before you change anything, **MAKE A BACKUP OF THE FILE YOU ARE ABOUT TO CHANGE!** That way you can always put things back the way they were.

The file you are looking for is called “ConfigureRIP.” It can be found in a sub-directory of the RIP directory. Usually the path will be XITRON/NAVIGATOR/SW/CONFIG. Oh, and you want to make sure the RIP is not running while you edit this file. Once you locate the file, open it using a text editor, like Notepad, or WordPad. The data inside should look something like this:

```
/ConfigureRIP
<<
/DefaultAllowAllRasterFormats false
/CompressBands 7
/JobTimeout 360000
/PGBPrefix (PageBuffers/)
/TMPPrefix (WorkSpace/)
/ThroughputPeriod 50
/ReducedRoamFactor 1024
/MinReducedRoamWidth 600
/MinReducedRoamHeight 450
/CanPrintFileWhenOutputting true
/NetworkBuffer 64
/PrinterBuffer 8192
/SWThreads 1
/PageBuffering (Multiple \(\Parallel\))
/Extras
```

There's a lot more to the file and most of this stuff is controlled from settings within the RIP itself, so you don't want to go changing it here. The only item we are interested in is the one that reads:

```
/Reduced RoamFactor 1024
```

The number on your system may be different, but that is what we are going to change anyway, so don't worry about it. This number represents the maximum ratio that the RIP is allowed to use when creating the reduced ROAM view. At the setting shown above, that ratio could go as small as 1 to 1024 (1:1024) -- that would be very small. Experiment with changing this number to see what results you get. Just for fun (and I can't really think of any other reason) you may want to stick to multiples of 16. You know, like 16, 32, 64, etc.

Remember, to make all this work you have to shut down the RIP, change the "ConfigureRIP" file, start the RIP again and re-rip the job. Otherwise the changes will not effect the reduced roam view.