

Changing Baud rates and other settings – CLP 521/621/631

When using the CLP 521/621 (and Z versions) via the serial port it may be necessary to change baud rate settings. The Printer currently defaults to 9600 baud, (in earlier versions of firmware, it defaulted to 115K baud). In the example below we have shown you how to make a change to the printers baud rate speed from 115k down to 9600 baud. It is possible to use other speeds and so, once you know how to make changes, it is easy to change any baud rate you require. Please note from firmware/Rom version CM000601 (CLP 521) the printer will default to 9600 baud. CLP 621 firmware defaults to 9600 baud from its launch.

This same process can also be used to make changes to all the other options available on the printer. The user manual, from page 30 (34 in CLP 621 user manual), explains the process in more detail and gives all the various options available.

To do a Configuration print.

It is often a good idea to do this even before any thing else happens, as it gives you a good idea of where the different settings are located when making changes. To see the complete configuration print, you will need labels/paper at least 85mm wide but preferably 100mm (4 inches) and at least 2m of label material or a complete roll.

Ensuring the printer has paper in it, turn it ON, holding the Mode button, release when the printer prints.

You will be presented with 5 lines of text, giving details of which button does what. Press, “Stop” to say No to the question, “do you want to reset printer to factory default”. The next question will print. Press “Pause” to say Yes to the question, “do you want to print current configuration”.

After a second or two the printer will print out the complete configuration (requires about 40cm of label media), finishing with a question “**do you want to change settings?**”. During this whole process the printer does not take any account of page breaks on the labels being used, it will therefore print some settings in the page break between labels, this is usually the line item you actually need.

Changing the Baud rate

This exercise is purely to set the baud rate from the then default of 115k (firmware versions 5 and below) back to a more standard 9600 baud. Check the configuration print to locate the baud rate settings, you will find the details in “Interface Menu”, near the bottom of the configuration print, on the first line.

Following the questions

Press “Pause”, answering Yes to the question “Do you want to change menu settings” mentioned above.
Do you want to change “Page setup menu”, press Stop for NO, the printer prints a new line.
Do you want to change “System Setup Menu”, press Stop for NO, again a line is printed
Do you want to change “After Print Menu”, press Stop for NO, again a line is printed
Do you want to change “Interface menu”, press “Pause “ for Yes.

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A line is printed RS 232 Baud 115200, below it, 3 options.
Press the Stop button to change the value

New line prints - RS 232 Baud 2400, Press Stop
New line prints - RS 232 Baud 4800, Press Stop
New line prints - RS 232 Baud 9600, Press Save to save this value,

New line prints - RS 232 Parity None. Press Mode for exit (you will do this 3 times) waiting until the printer has printed something each time, before pressing again.
The printer will, at the third push of the mode button, flash the led's and return to its normal printing mode.

Printer is now newly configured and ready to go. However we would always recommend turning the printer off, waiting a few seconds and turning it back on again before beginning any printing.

Lastly, always press the feed key to ensure the paper is correctly positioned for the first label print. This process also checks the sensor arms have not been knocked out of adjustment causing the paper sensor not to work.