SNAP Printer Firmware

Version 3.36
Public Release Notes

Firmware Release Notes

Subject

SNAP Firmware 3.36 version listing changes since 3.35.

Compatibility

- This release of SNAP firmware contains all of the changes since the release of 3.35.05.05
- This application is compatible with ASUS (brown), BCM (blue), and Advantech (green) motherboards. Contact technical support for a listing of motherboards and compatibilities.
- This release supports all versions of PCMate. To take advantage of all features and bug fixes, recommend upgrading to PCMate 7.6 or higher.

Point Releases

This firmware contains fixes in the following point releases. If no issues, we see no urgency to update:

- 3.36.13.08 - mismatch front/back
- 3.36.11.08 - mismatch front/back
- 3.36.00.05 - SNAP LOKPRINT fix
- 3.36.00.06 - Monza R6 support

Updates

The following updates have been incorporated since 3.35 release.

Major

- <u>Mismatch between ePC and GS1 human readable</u> output following a stripe out of a bad tag. Mismatch would occur on the same side of a tag or on the front and back of a 2-sided label. This also occurred for RFID and non-RFID applications. (Mantis 332, 471)

- Verifier not working correctly during batch printing of a SNAP 700 using both NiceLabel and PCMate. (Mantis 342)

Stability

- Missing barcode locks up the printer. Checks were added for the UPC-A barcode for validity. If an checks fail then the printer stops and notifies the operator. The message "Error <error #> processing barcode type <barcode #>. Barcode will be missed" is shown on an attached monitor to the video port on the printer. (Mantis 406)
- Ignore trailing spaces in the data of a data field for a UPC barcode. (Mantis 406)
- Unable to access font 50000. Updated the font variable in the printer to allow fonts greater the 32767. (Mantis 521)
- Printer not able to receive batches during RFID stress test. Check added for the remake quantity not exceeding the original quantity during an interlock (ink out etc) situation. The printer will stop this and provide error message "Tag(s) are skipped during remake batch ID: <batch ID>", "Remake request at X tags remaining for X tags","Current batch will be skipped" is shown on an attached monitor to the video port on the printer (PEL 855)
- Missed 2 SKUs during RFID stress test. Added error message to the attached monitor informing the operator if a batch was skipped, particularly if a batch with graphics got out of sync. (PEL 860)
- PCMate can't download to printer during RFID stress test. Memory leak was found when scanning for blank tags. (PEL 944)
- LOKPRINT. Corrected error 266, and oven not retracting. Also cutter is disabled when the LOKPRINT oven is detected.
- Printer start up. Corrected a problem on startup if the default transfer type was changed from its normal value of 91 to 0, the firmware would wait indefinitely for it to change. (Mantis 486)
- SNAP firmware doesn't handle "%" characters in Batch ID. Corrected.

Output

- Characters print out as squares on 700 when it worked on 676. Filter out non-printable characters (such as form-feed) from a data stream. Now the SNAP behaves like the 676. (Mantis 442)
- 2D barcode missing from the label. Added checks to the size constraints

on the QR-code barcode. If any checks fail then the printer provides the message "Error <error #> processing barcode type <barcode #>. Barcode will be missed" is shown on an attached monitor to the video port on the printer. A QR may be added to the tag at a certain size and expansion. Data in the tag could cause the barcode to grow to the next size. This check prevents printing a barcode that is larger than designed. (Mantis 500)

- Countdown on incrementing field. The sequential countdown was restarting at the wrong number after an interlock. It incorrectly applies a hex increment function instead of decimal. (Mantis 505)
- 13 digit serial number missing. Fixed a calculation with the stretch to fit field function. (Mantis 533)
- Printer not responding after batch, damage to 13 digit serial number, corrupted 2D barcode. Corrected an issue with serialization. (Mantis 546)
- 2D Barcode position erratic. Correct inadvertent impact of dot shifting set on 2 different printers on the 2D barcode. (Mantis 446)

RFID

- Monza R6. If the lock code="0000", the password and lock commands are skipped. If lock code is "3333", password and lock commands are implemented.
- Anti-Tamper Inlay. The default Write encode window length is calculated as being the tag length minus 0.133 inches for the ThingMagic interrogator equipped SNAP 700. The change made limited the encode length window to a Maximum of 3.875 inches long. "No write" tags should display a little more than 0.5 inches of "striping" at the end of the tag.
- Regions updated. Added Cambodia.

Feature

- Image shift feature added. Using the Virtual Control Panel in PCMate 7.6 or higher, the operator may shift the image left and right across the print head. Each print station can be adjusted independently. Values are retained when the printer is turned off. The value range is -99 to +99.
- Burn in. Allow printer to operate independently for long periods to accomplish a manufacturing burn in.