Sony Electronics Inc.   SONY

Bulletin

DATE: APRIL 15, 2008   08-0164

TO: SNAPLAB PRODUCTS RESELLERS
                 PICTURESTATION SYSTEMS RESELLERS

FROM: BELINDA LOPRESTI

SUBJECT: SNAPLAB FIRMWARE VERSION V3.10 AVAILABLE

Sony's Digital Photofinishing Division is pleased to announce firmware version V3.10 availability for the SnapLab® digital photo printer. SnapLab UP-CR10L printers will be enhanced with firmware version V3.10 commencing with mid-April shipments.

This V3.10 firmware will support a host of new features for the SnapLab digital photo printer. Existing printers can be upgraded by downloading firmware V3.10 from http://www.sony.net/Products/DP-driver/index2fw-sl.html

FIRMWARE VERSION	ENHANCEMENT	DOWNLOAD
V3.10	1. Closing Report Printing 2. Bluetooth® Auto Printing 3. Logo Stamp Function 4. Band Pricing 5. USB 10-Key Support 6. Settings Load/Save Function 7. Direct Job Ticket Printing	http://www.sony.net/Products/DP-driver

[Note] For owner's convenience, "SnapLab Utility Software" will be released to help create the necessary files in the expansion CompactFlash® card for advanced features by using a Windows® PC.

The utility software to support settings for *Band Pricing* is available for download from http://www.sony.net/Products/DP-driver.

SnapLab utility software to support other modules (*Bluetooth auto printing, Logo stamp and Direct job ticket printing)* will be released later.

1	Closing Report Printing

A closing report can be printed utilizing an Epson thermal printer TM88II/IV connected to the SnapLab digital photo printer via RS-232C and by utilizing a CompactFlash® card in the expansion slot. When cashiers are working in shifts in retail locations, the closing report can be used for each shift allowing retail owners to manage sales figures easily and accurately.

The log data stored in the SnapLab system will be saved as an excel file "Sony\UPCR\ClosingReport.csv" on the expansion CF card before printing. *Note that the print log data in theSnapLab system will be erased.* Data on the CF card will be overwritten each time a new report is printed. The report can hold up to 256 jobs.

SnapL

Closing Report

Job No:0001 – 0033
<3x5"/9x13/L>
Print   0.5USD x 10
Border   1.0USD x 1
Split   1.5USD x 7
Index   1.5USD x 2
<4x6"/10x15/KG>
Print   0.5USD x 10
Border   1.0USD x 1
Split   1.5USD x 7
Index   1.5USD x 2
<5x7"/13x18/2L>
Print   0.5USD x 10
Border   1.0USD x 1
Split   1.5USD x 7
Index   1.5USD x 2

Prints: 60
Total: 43.00 USD

If \Sony\UPCR\Ticket\logo_Closing.bmp" exists in the expansion CF card, the image will print as a header
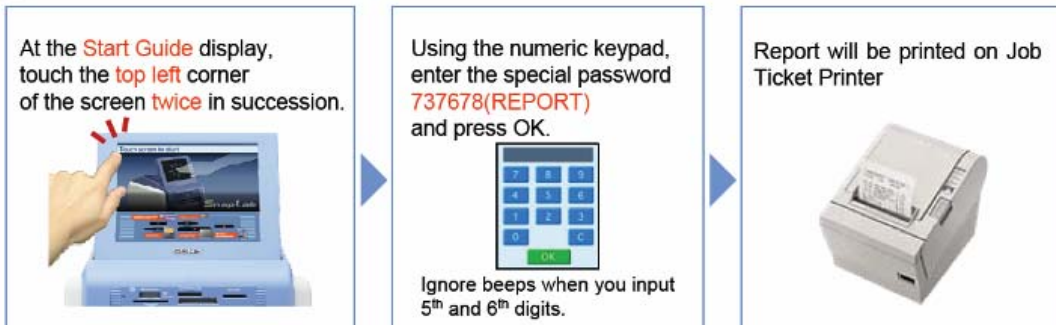
Create the image data according to the following specification:
- Image size: 360(H) x 2 to 360(V) pixels
- Format: 24-bit Windows BMP
- File storage location: \Sony\UPCR\Ticket
- Data file name: logo_Closing.bmp

The Thermal Receipt Printer prints in 2-tone black and white. The UPCR10L doesn't process color with an artificial multi-tone method such as error diffusion, but performs 2-tone processing on the green channel at a 128 threshold. To print high quality images, create a 2-tone black and while image with artificial multi-tone processing using image processing software in advance and save that image as a 24-bit Windows BMP File.

Set Up: Connect the Epson thermal printer TM88III/IV to the UP-CR10L by using an RS-232C cable and insert a CompactFlash card into the SnapLab expansion slot. *If a CompactFlash card does not exist in the expansion slot, the closing report will not print.*
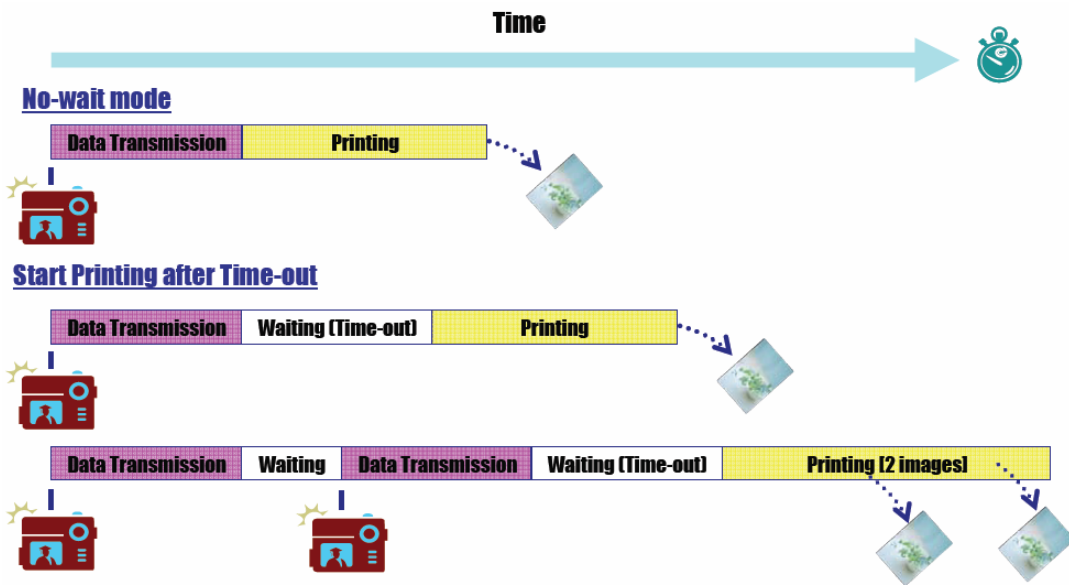
How to print closing report

At the Start Guide display, touch the top left corner of the screen twice in succession.

Using the numeric keypad, enter the special password 737678(REPORT) and press OK.

Ignore beeps when you input 5th and 6th digits.

Report will be printed on Job Ticket Printer

Note UP-CR10L's internal print log data will be cleared after "closing report is printed" or "CSV file is saved into expansion CompactFlash".

2	Bluetooth Auto Printing

With the use of the optional Sony Bluetooth® Adapter, DPPA-BT1, and an optional CompactFlash card with an ini file (special setting file), the SnapLab digital photo printer can automatically print images sent by Bluetooth devices such as digital cameras or cell phones. For event use, runners are not necessary to carry memory cards to the print location. Print jobs can be automatically sent to the SnapLab digital photo printer thus improving overall efficiency of print delivery.

There are two modes in Bluetooth Auto Printing which can be selected in the ini file in the expansion CompactFlash card. In **"No-Wait Mode"** printing will automatically start after the image data is received. In **"Time-Out Mode"** printing starts after a short delay. If another image is sent during time-out, this image is saved and waits for another time-out.

Time

No-wait mode

Data Transmission	Printing

Start Printing after Time-out

Data Transmission	Waiting (Time-out)	Printing

Data Transmission	Waiting	Data Transmission	Waiting (Time-out)	Printing [2 images]

How to print automatically from Bluetooth device

Based on the mode selected, the UP-CR10L will automatically start printing the received images. If logo stamp is set, the photos will print a custom logo.

Set to Event Mode in under "Screens" tab.	Touch "Bluetooth" button.	Send image from camera

Ini file

Set Up: Insert a Sony Bluetooth Adapter DPPA-BT1 into the USB(A) connector on the back of the SnapLab. Insert a CompactFlash card which includes the ini file *"\Sony\UPCR\WirelessEvent.ini".*

After starting up the UP-CR10L, go into the administration screen and set to **"Event"** mode. Select the **"Bluetooth"** button before sending the image from a Bluetooth enabled camera or cell phone.

Ini file

```
[BluetoothEvent]
enable=1
sendall=1
timeoutsec=10
```
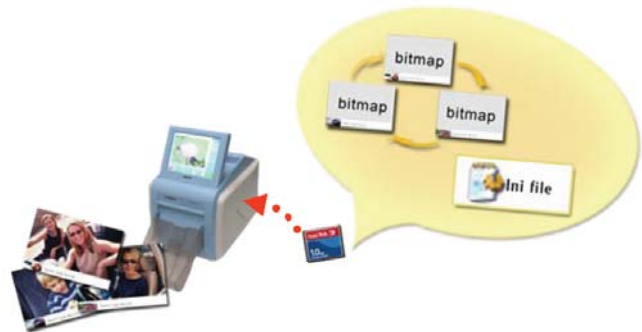example

Data file name   WirelessEvent.ini
File storage location   \SONY\UPCR

enable=	0: Normal mode (store and select picture)
	1: Bluetooth auto print mode
sendall=	0: No wait mode (print immediately after receive)
	1: Wait mode (wait next image after receive)
timeoutsec=	Timeout second (we recommend 10 or above)

| 3 | Logo Stamp Function |

Logo stamping allows users to print pre-selected logos or graphics onto every photo printed with the exception of "index print". This logo stamp feature is ideal for promoting a company logo, product, event or promotion. If the data is correctly stored in the expansion CompactFlash card, ordered photos will always print with the logo. If there are multiple logo images in the CompactFlash card, the logo images are applied to each print one by one cyclically

bitmap
bitmap   bitmap
Ini file

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Set up: The logo data files (which are exactly the same as border data files) "__SnapLabPrintlogo" needs to be stored in a folder *"Sony\UPCR\Template\"* in the expansion CF card. Logo data files can be created by exporting data from the Adobe® PhotoShop® software by utilizing the plug-in module.

Even with multiple logo files for cyclic logo application for other type of prints, only "__SnapLabPrintLogo" will be applied to split images.

__SnapLabPrintLogo	(Mandatory)
__SnapLabPrintLogo2	(Ignored when printing split image)
__SnapLabPrintLogo3	(Ignored when printing split image)
__SnapLabPrintLogo4	(Ignored when printing split image)
__SnapLabPrintLogo5	(Ignored when printing split image)

"__" is a double underline

4   Band Pricing

With the SnapLab digital photo printer, retailers can not offer volume print discounts via band pricing. Insert the CompactFlash card which includes the ini file for band pricing. Up to 5 tiers can be set and pricing will be automatically calculated.

SnapLab 4x6 Photo Prices

# Prints	Per Print
1-9	40¢
10-19	35¢
20-29	30¢
30-39	25¢
40+	20¢

EXAMPLE

Ini file

example

```
[BandPricing]
enable=1
price_border=100
price_split=200
price_index=300
[PrintSize_4x6]
band1_qty_upper=10
band2_qty_upper=0
band1_price=80
band2_price=70
```

Data File Name
BandPricing.ini

File Storage Location
\Sony\UPCR

5	USB Ten Key Support

There are 4 ways to release prints from the SnapLab printer once payment had been received: (1) password entry on the LCD screen, (2) password entry using memory card with pre-programmed password file, (3) Snapay™ wired remote control and (4) USB 10-key* release printing. The USB 10-key lets clerks release prints without inputting password using LCD touch screen in front of the customer.

While the password entry screen is displayed, input the password using the USB 10-key.
[Numeric] keys: 0-9   [BS] key: Clear   [Enter] key: OK

No setup is required. Just plug in the USB connector to the USB (A) connector on the back of the SnapLab.
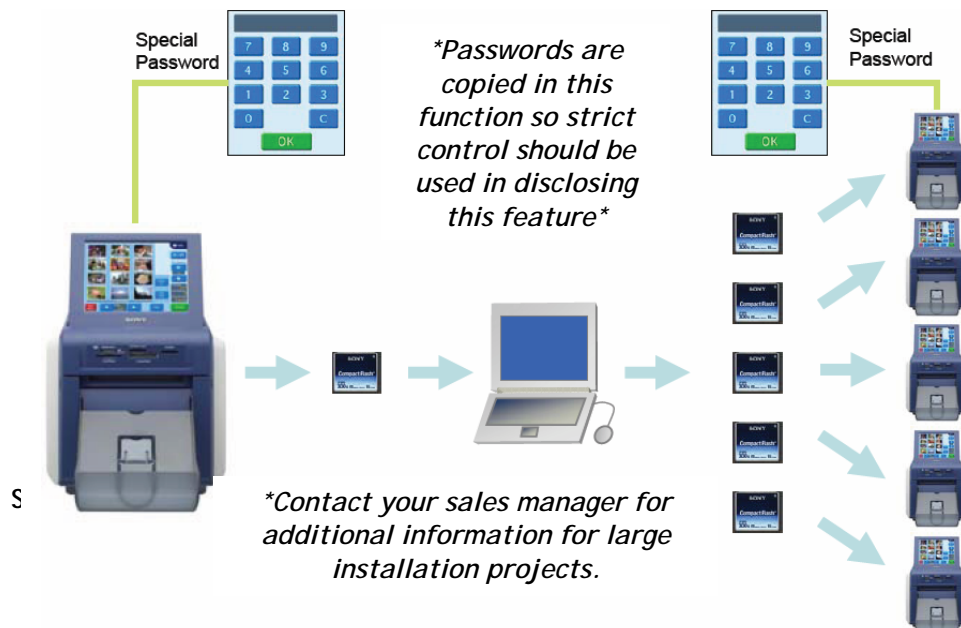
*Not all USB 10-keys are supported. UP-CR10L with serial numbers greater than the following are supported:
    UC2 1012001 –
    CED 5012001 –
    JAE 3012001 –
    The [Numlock] should be turned on.

6	Settings Save/Load Function

The SnapLab digital photo printer owner can save all settings in the administration menu (except "touch panel adjustment" and "print position adjustment") to expansion CF card by inputting a special password. The settings in the CompactFlash card can also be reloaded back to the SnapLab printer via another special password. This feature allows retailers to duplicate one SnapLab printer setting to many other SnapLab printers. If the CF card includes the ini files, these files can also be applied to other printers.

Special Password

Passwords are copied in this function so strict control should be used in disclosing this feature

Special Password

S

Contact your sales manager for additional information for large installation projects.

7	Direct Job Ticket Printing

Job Tickets with POS (Point of Sale) barcode can be printed directly onto dye sublimation photo paper. This means retailers do not need an additional investment into Epson thermal printers but rather just the additional cost of the photo paper. Job tickets can be printed before or after printing a customer's order (as long as the CompactFlash card contains necessary files including ini file). Additionally, the POS barcode for each type of print (Print/Border/Split Image/Index) can be generated and printed onto the job ticket in accordance with the customer's order. For added convenience, cashiers can input the product code at the POS machine by utilizing a barcode scanner. *The barcode type is selectable from EAN13/EAN SAN4/UPC-A.*

Product codes can be input via barcode scanner. Quantity can be input via USB 10-key at the POS terminal.

Set Up: Insert the CompactFlash card which contains the ini file and other following files:
"\Sony\UPCR\ticket\ticket.ini"
"\Sony\UPCR\ticket\dialog.jpg.ini"   (Dialog image file specified in ini file)
"\Sony\UPCR\ticket\ticket_base4x6.jpg"   (Base image file for 4x6 print paper specified in ini file

Please contact your local Account Manager for further information.

Good Selling!

Belinda LoPresti
Marketing Manager, Digital Photofinishing Division
Broadcast and Business Solutions Company