User Manual – Sato bPrint

CAKE SLICE ASSORTMENT EA $3.00	CAKE SLICE ASSORTMENT EA $2.75	FRUIT DANISH/CAKE ASSORTMENT	CAKE ASSORTMENT EA $2.00	CAKE ASSORTMENT EA $1.75	CAKE ASSORTMENT EA $1.00
FANCY CAKES VARIETIES LARGE	FANCY CAKES VARIETIES SMALL	CAKE / DANISHES PER	CHEESE CAKE PER KG	CAKE ASSORTMENT LARGE	KUGELHOPF CAKE EA
PASTIE / PATTY LATKE EA	FRIED FISH BALLS EA	BOILED FISH BALLS EA	FRIED WHITING SMALL	FRIED WHITING LARGE	FRIED EGGPLANT PER KG
DIPS AND SALADS SMALL	DIPS AND SALADS MEDIUM	DIPS AND SALADS LARGE	DIPS AND SALADS EXTRA LARGE	CABBAGE ROLLS EA	BAKERS DOZEN (13) REGULAR BAGELS
BAGELS AND ROLLS EA	FLAVOURED BAGELS AND ROLLS EA	MINI BAGEL EA	FOCACCIA EA	FRENCH&SOUR DOUGH BREAD VAR SMALL	FRENCH&SOUR DOUGH BREAD VAR MED
FRENCH&S/DOUGH BREAD/LOAF	BAGUETTES EA	CHALLAH ROLLS EA	CHALLAH BAGELS EA	CHALLAH SWEET LARGE EA	CHALLAH SWEET MEDIUM EA
CHALLAH SWEET SMALL EA	CHALLAH RAISIN LARGE EA	CHALLAH RYE EA	CHALLAH PLAIN LARGE EA		
SEUDA CHALLAH EA	BAKE AT HOME BAGELS 4S	BAKE AT HOME MINI BAGELS 6S	BAKE AT HOME PIZZA BASE EA		
BREAD VARIETIES #2 EA	BREAD VARIETIES #3 EA	BREAD VARIETIES #4 EA	MIXED BISCUITS DISPLAY AMBIENT		
PITA BREAD	CHEESE BLINTZ				

CABBAGE ROLLS

Packed on 02/06/09

Price	$6.00
Quantity	1
Total	$6.00

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by

Purpose Built
S O F T W A R E

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Table of Contents

1.   Introduction

1.1 Sato bPrint

The Sato bPrint application was developed by Purpose Built Software from a vision presented by Sato Australia.

The bPrint application allows a user to select items from a touch screen enabled terminal then print a price embedded barcode label.

The content for display on the screen is sourced from a csv data file. Changes to the file content will update the screen display in real time.

The printed output layout is user configurable.

This is a powerful yet easy to use program that is designed to be fault tolerant; in that things like a badly formatted new data file will not stop the sales process at the counter.

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1.1.   Hardware and Operating System

The software is designed to run on touch screen PC type devices with either a XP or XP Embedded operating system. Other operating systems (for example Win CE) can be accommodated on request.

2.   Installation & Setup

2.1.   Installing the program

The software is delivered as a single windows executable named Sato_bPrint.exe.

This may be downloaded at anytime from the website at

http://downloads.purposebuilt.com.au/Sato/Sato_bPrint.exe

The Sato_bPrint.exe is NOT a setup type file; rather it is the actual application executable that will run on the touch screen PC.

Given that the program is for use on a sales counter our expectation is that it will probably be the only program running on that PC. Hence our recommendation is that the exe file be simply copied to the desktop of the PC.

Start the Sato_bPrint.exe program. If item data is available a screen similar to the following should appear.

CAKE SLICE ASSORTMENT EA $3.00	CAKE SLICE ASSORTMENT EA $2.75	FRUIT DANISH/CAKE ASSORTMENT	CAKE ASSORTMENT EA $2.00	CAKE ASSORTMENT EA $1.75	CAKE ASSORTMENT EA $1.00
FANCY CAKES VARIETIES LARGE	FANCY CAKES VARIETIES SMALL	CAKE / DANISHES PER	CHEESE CAKE PER KG	CAKE ASSORTMENT LARGE	KUGELHOPF CAKE EA
PASTIE / PATTY LATKE EA	FRIED FISH BALLS EA	BOILED FISH BALLS EA	FRIED WHITING SMALL	FRIED WHITING LARGE	FRIED EGGPLANT PER KG
DIPS AND SALADS SMALL	DIPS AND SALADS MEDIUM	DIPS AND SALADS LARGE	DIPS AND SALADS EXTRA LARGE	CABBAGE ROLLS EA	BAKERS DOZEN (13) REGULAR BAGELS
BAGELS AND ROLLS EA	FLAVOURED BAGELS AND ROLLS EA	MINI BAGEL EA	FOCACCIA EA	FRENCH&SOUR DOUGH BREAD VAR SMALL	FRENCH&SOUR DOUGH BREAD VAR MED
FRENCH&S/DOU GH BREAD/LOAF	BAGUETTES EA	CHALLAH ROLLS EA	CHALLAH BAGELS EA	CHALLAH SWEET LARGE EA	CHALLAH SWEET MEDIUM EA
CHALLAH SWEET SMALL EA	CHALLAH RAISIN LARGE EA	CHALLAH RYE EA	CHALLAH PLAIN LARGE EA	CHALLAH PLAIN MEDIUM EA	CHALLAH PLAIN SMALL EA
SEUDA CHALLAH EA	BAKE AT HOME BAGELS 4S	BAKE AT HOME MINI BAGELS 6S	BAKE AT HOME PIZZA BASE EA	BAKE AT HOME GARLIC BREAD	BREAD VARIETIES #1 EA
BREAD VARIETIES #2 EA	BREAD VARIETIES #3 EA	BREAD VARIETIES #4 EA	MIXED BISCUITS DISPLAY AMBIENT	FILLED BAGEL W.TUNA/EGG/SA LAD/AVO	FILLED BAGEL SMOKED SAL&CRM CHESE
PITA BREAD	CHEESE BLINTZ				

The screen will display (by default) with 6 columns and display as many rows as are required to allow all the item data to be displayed on a single screen.

The number of items that are displayed on a single row can be altered via the settings screen as described later in this manual.

2.2.   Adding your own data (products and prices) file

The bPrint program when first started will (by default) look for a file named "Items.csv" in the same folder location as the installed program executable.

The file name and its folder location can be altered via the settings screen as described later in this manual.

If the Items.csv file is NOT present then a **"No Items to Display"** message will be presented.

There is a background process (iterating on a one minute cycle) "feeling" for the presence of changes to the Items.csv file. Should the file content change then the screen display will update to reflect the new descriptions and barcodes printed will reflect the new prices.

Should the new file content is found to be badly formatted then a message will be presented to the user alerting them to the error; but (after the message is cleared) the display will return to the previous display so that sales from the counter can continue.

The file content MUST be in the format as below where there is a header row (the header row does not need to have the exact wording described) followed by a row for each Item to be sold.

```
"Description", "Barcode", "PLU", "BaseUnit", "Rate"
 MUD CAKE LARGE,203350000000,3350,EA,3.00
 FROSTED CAKE SLICE,203351000000,3351,EA,2.75
 LARGE BAGEL,203377000000,3377,EA,1.90
```

Should there be need to support an alternate Item file format; please contact your Sato representative to see if this can be accomodated.

To change the folder path and file name of the Items.csv file go to the settings screen as described later in this manual.

2.3.   Printing a price embedded barcode label

The sales process using bPrint is done by "selecting an item from the touch screen" then (if selling other than a single item) "entering the quantity" then pressing "Print".

When the Print button is pressed the display will return to the main screen in readiness for selection of another sale item.

Print Quantity		
1	2	3
4	5	6
7	8	9
1	0	Clear / Cancel
CHALLAH RYE EA $4.50 Price $4.50 Total		Print

The layout of the printed label is user definable. The printer layout is contained in a text file which (by default) is named "PrintLayout.txt".

To change the folder path and file name of the PrintLayout.txt file go to the settings screen as described later in this manual.

2.4.   Making your own printer layout

The layout of the printed label is user definable. The printer layout is contained in a text file which (by default) is named "PrintLayout.txt". To change the folder path and file name of the PrintLayout.txt file go to the settings screen as described later in this manual.

A sample of a PrintLayout.txt file is as below:
```
<STX>
<ESC>A
<ESC>CP0
<ESC>%2
<ESC>A107200480
<ESC>H0470<ESC>V0470<ESC>XM<Description>
<ESC>H0470<ESC>V0430<ESC>XSPacked on date <PackedOn>
<ESC>H0470<ESC>V0400<ESC>XL1Price
<ESC>H0180<ESC>V0400<ESC>XL1$<Rate>
<ESC>H0470<ESC>V0350<ESC>XL1Quantity
<ESC>H0180<ESC>V0350<ESC>XL1<Quantity>
<ESC>H0470<ESC>V0300<ESC>XL1Total
<ESC>H0180<ESC>V0300<ESC>XL1$<Total>
<ESC>H0340<ESC>V0230<ESC>BD302150<Barcode>
<ESC>Q1
<ESC>Z
<ETX>
```

The commands are as per the Sato printer language; refer to your printer manual for details.

The layout contains several special keywords (say like <Description>). The keywords are replaced into the layout immediately before the layout is sent to the printer.

The list of supported keywords is:

Keyword	Description
<Description>	(The description from the item file)
<PLU>	(The PLU from the item file)
<PackedOn>	(The date from the PC)
<Rate>	(The unit price of the item for sale)
<BaseUnit>	(The sale unit; EA, KG etc)
<Quantity>	(The quantity sold)
<Total>	(The total sale price in manner of Rate x Quantity)
<Barcode>	(A price embedded barcode showing Total price)

The <Barcode> layout supported at time of writing is:

FFPPPPXCCCCCY

FF   is the prefix
PPPP   is the product PLU
X   is the middle checksum
CCCC   is the price in cents
Y   is the barcode checksum

The "X" middle checksum is NOT be recalculated prior to printing.
The "Y" checksum will be recalculated prior to printing.

Should alternate barcode formats need support please contact your Sato representative.

2.5.   Accessing the Settings Screen

The Settings Screen can be accessed by carefully touching a hidden button at the extreme top left corner of the main display screen.

The Settings Screen is password protected; the following password entry screen will display.

The password is "bake". Enter the password and click Ok to show the settings screen.
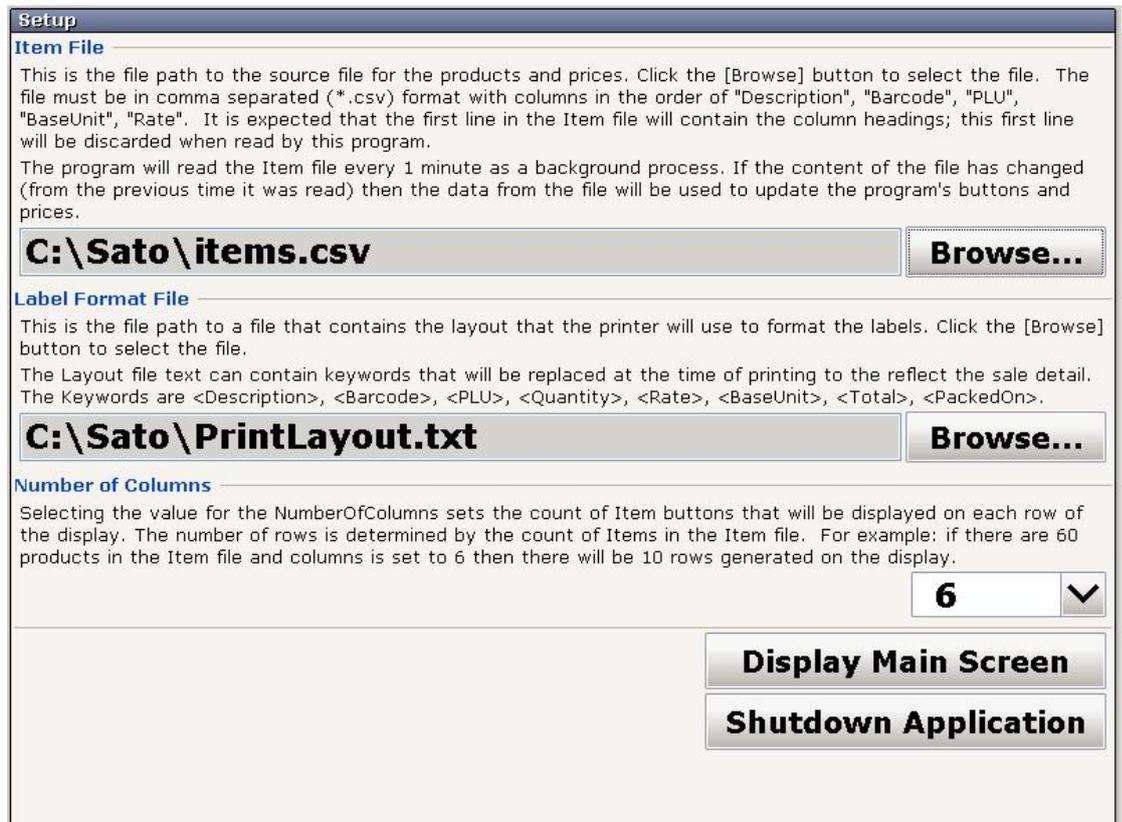
Make changes as required then click **Display Main Screen** button to save the changes made and return to the main display.

Clicking the **Shutdown Application** button will fully close the Sato bPrint application.