

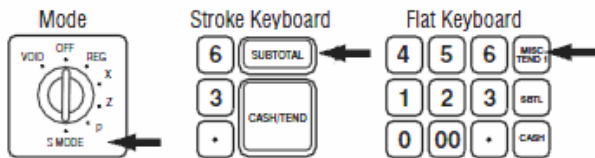
# Sam4s ER-900 - Quick Setup Guide

## Memory Allocation Reset & Configuration

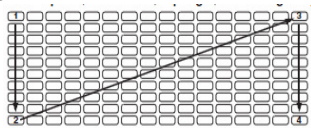
**Note** – This reset procedure has been carried out at the factory and need only be carried out again if the default file sizes needs increasing or decreasing.

**Important:**-The following procedure resets the machine back to factory defaults. This will **remove** all current program and sales information.

- Insert the **C** key and turn past **PGM** to the unmarked **S** mode.
- Then power **OFF/ON** whilst holding the key shown below.  
The display will show the prompt **RAM ALL CLEAR**



- Press the **Top Left, Bottom Left, Top Right, Bottom Right** keys.  
The display will show **RAM ALL CLEAR**, and an **<-** for each of the 4 corner key presses.



- **Please Wait..** displays whilst determining the Rom Version
- At the **LOAD DEFAULT SET** prompt

**either** Press **CASH** to load and print the default values.  
"Memory alloc OK " is shown when completed.

**or** Continue as shown below to change the values.

- Press **QTY/TIME** to begin entering new values.
- When prompted with the file name i.e. **PLU, GROUP**

**either** Enter the **New Value** and press **CASH**  
**or** Press **CASH** to bypass and keep default values

- At the **PRESS CASH TO FINISH** prompt press **CASH**  
The process is now complete and the preset values printed.
- Turn to the REG mode, Enter **1** then press **Clerk No.** to sign on.

## Quick Help Function in REG Mode

The register has located on the keyboard a **QUICK HELP** key. This provides Step by Step guides for a number of operations i.e. Product creation, making a sale, taking a report etc.

- Ensure a Clerk is signed on
- Press the **QUICK HELP** key and the list of options is printed.
- Enter the Option number i.e. 2
- Once done **either** enter another number or press **CLEAR**

**Note :-** The programming manual provides additional setup information

## Receipt Logo

The following shows how to program the Receipt logo messages.

- Insert the **C** key and turn to the **PGM** mode
- Enter **700** and press the **SUBTOTAL** key
- Enter the line number\*. Then press the **QTY/TIME** key  
\*Lines 1 – 6 for header **or** 7 - 12 for footer text
- Type in the text using the alpha layout and press the **SUBTOTAL** key  
The entered logo message text is printed

**Repeat** – Enter the line number, then Qty/Time then text and then Subtotal  
- Press **CASH** to finish and return to REG mode

**Note :-** For bitmap image printing please refer to the manual, or press the help key for instructions on printing 1 of 20 preset images.

## Product Creation

New items can be created in REG as shown opposite and PGM as below.

### Naming Products

- Insert the **C** key and turn to the **PGM** mode
  - Enter **300** and press the **SUBTOTAL** key
  - Select the product by **either**, Pressing the item key, **or** Entering the code number and Pressing the PLU No Key. (or by scanning the item).
  - Type in the Name using the Alpha layout and press the **QTY/TIME** key
- Repeat** – Select the item, enter the text, then press the Qty/Time key.  
- Press **CASH** to finish and return to REG mode

### Product Pricing

- Insert the **C** key and turn to the **PGM** mode
- Enter **200** and press the **SUBTOTAL** key
- Select the product by **either**, Pressing the item key, **or** Entering the code number and pressing the PLU No Key. (or by scanning the item).
- Type in Price 1 without a decimal point and press the **QTY/TIME** key  
Type in Price 2 without a decimal point and press the **QTY/TIME** key  
\*Price 2 is optional as the register can be set with 1 price.

**Repeat** – Select the item, enter the price (s), then the Qty/Time key.

- Press **CASH** to finish and return to REG mode

**Note :-** Price functions can be set to sell at another price if the current price is 0. Also the sale of 0 price products can be prevented as per the manual.

## Product Grouping

### Linking Products to Groups

- Insert the **C** key and turn to the **PGM** mode
  - Enter **150** and press the **SUBTOTAL** key
  - Select the product by **either**, Pressing the item key, **or** Entering the code number and pressing the PLU No Key. (or by scanning the item).  
For a range of products, select both the first then the last item.
  - Enter the Sales & Printer Group i.e. **1** and press the **QTY/TIME** key
- Repeat** – Select the item, enter the group then press the Qty/Time key.  
- Press **CASH** to finish and return to REG mode

### Naming Groups

- Insert the **C** key and turn to the **PGM** mode
  - Enter **910** and press the **SUBTOTAL** key
  - Enter the Group Number and press the **QTY/TIME** key
  - Type in the Name using the alpha layout and press the **SUBTOTAL** key
- Repeat** – Enter the Group No., press Qty/Time, enter name then Subtotal  
- Press **CASH** to finish and return to REG mode

## Creating the Products in REG – Short Method

This shows the procedure for item creation in REG mode, with price entry and automatic naming from a keyboard item.

- Turn the key to the **REG** mode.  
Enter the PLU code and press the PLU No Key or Scan the item.
- At **NOT FOUND** Prompt. Enter the price without a decimal point
- Press the key on the keyboard for item name and group setting.
- The item is now sold, and the sale can continue

## Creating the Products in REG – Detailed Method

The following is a more detailed item creation in REG mode as an alternative method to the above. (This requires the following setup to create a Not Found Key which can be used)

### Setting up the Not Found function

- Insert the **C** key and turn past **PGM** to unmarked **S** mode.
  - Enter **70** then the **SUBTOTAL** key.
  - Enter **231** and press a new Not Found key then press **CASH**
  - Turn to **PGM** then enter **70** and press the **SUBTOTAL** key
  - Enter **5105** and press the New Not Found key, then press **CASH**
  - Enter **30** then the **SUBTOTAL** key. **38** then press **QTY/TIME**
  - Enter **1** then the **SUBTOTAL** key, press **CASH** and return to REG
- Note :-** enter 0 as above to return not found to the short method.

### Using the Not Found function

- Turn the key to the **REG** mode.  
Enter the PLU code and press the PLU No key or Scan the item
- At the **NOT FOUND** error press the new **NOT FOUND** Key
- At the **ENTER PRICE 1 QTY/TIME** enter the price with no decimal point then press the **QTY/TIME** key (repeat for price 2)
- At the **ENTER PLU NAME** prompt

**either** Press **QTY/TIME** to automatically create the name from the group number to be entered next

- or** Type in Text required and press the **QTY/TIME** key
- At the **GROUP** prompt enter the Group No. and press **QTY/TIME**
- The product is programmed ready to sell now or later

**Note for such settings as manager control of the key see the manual.**

## Using Clerk Interrupt & Check Tracking

It is possible to save a transaction either for a clerk or a check

For Clerk interrupt, the clerk would sign on, make the sales as normal then sign off and the sale will be automatically stored for recall when the clerk signs back on. For Checks, the operation is as follows. :-

### Opening

- Ensure a Clerk is signed on.
- Enter the Number and press the **CHECK NO.** key
- Sell the products as required.
- Press **SERVICE** to store the balance (or select payment)

### Billing

- Ensure a Clerk is signed on.
- Enter the Number and press the **CHECK NO.** key
- Press the **PRINT CHECK#** key to produce the ticket

**Note :-** For adding checks together refer to the operation manual

# Sam4s ER-900 - Quick Setup Guide

## Backing Up Program To SD Card

The files shown are as default, backed up on to the card in the folder \ER900\PgmBackup\Backup

PLU / Mix and Match	Group	Tax	System Options
Print Options	Function Status	Clerks	Financial / Clerk Text
Logo	Stock	Macro	Misc & Ports

- The SD slot is near to the receipt roll, secured with a screw
- Insert a formatted (*FAT32*) SD card into the slot
- Insert the **C** key and turn past **PGM** to the unmarked **S** mode.
- Enter **100** then press the **SUBTOTAL** key
- Once copied, the successful filenames are printed on the receipt.
- Then return to the REG Mode

**Note:** - The default store name of \backup (without spaces) can be changed as shown in the manual

## Restoring Program From SD Card

The files shown are the program files, stored on to the card in the folder \ER900\PgmBackup\Backup. The program should only be restored into a machine with the same memory allocation settings. To print the memory allocation; in S Mode, enter 60 subtotal

**\*Warning** this procedure will overwrite pre-existing data

PLU / Mix and Match	Group	Tax	System Options
Print Options	Function Status	Clerks	Financial / Clerk Text
Logo	Stock	Macro	Misc & Ports

- The SD slot is next to the receipt roll, secured with a screw
- Insert a formatted (*FAT32*) SD card into the slot
- Insert the **C** key and turn past **PGM** to the unmarked **S** mode.
- Enter **110** then press the **SUBTOTAL** key
- Once copied, the successful filenames are printed on the receipt.
- Then return to the REG Mode

**Note:** - The default store name of \backup (without spaces) can be changed as shown in the manual

## Saving Sales Total to SD Card

The files shown are as default backed up on to the card in the folder \ER900\CSV Backup\Backup\Date\Time

CLK	Time	Fin & VID	MnM
Day	Grp	PLU	STK
TRN	EJ	MIN	Tbl

- The SD slot is next to the receipt roll, secured with a screw
- Insert a formatted (*FAT32*) SD card into the slot
- Insert the **C** key and turn to the **X** position
- Enter **101** then Press the **SUBTOTAL** key to save the files
- When **Finish** is displayed return to the REG mode

**Note:** - There is a ECR Service task to reset all sales totals in **S** Mode using **20 SUBTOTAL** then **QTY/TIME, CASH** (or 30 Subtotal for GT's)

## Setting up a Kitchen Printer

Sales orders can be printed on an internal or external printer. The products are linked to Groups (*as shown previously*) These groups are then used to choose which items are to print on the ticket.

### Setting the Groups to Print

The items are linked to groups (see previously) i.e. Food, Specials etc. These groups are then set as **Kitchen Printer**.

- Insert the **C** key and turn to the **PGM** mode
- Enter **900** and press the **SUBTOTAL** key
- Enter the Group No. i.e 1,2 and press **QTY/TIME**
- Enter the **answer** (see table) i.e. 2100 then press **SUBTOTAL**

Answer	Printer	Answer	Print
2100	Receipt Printer	2200	Com Port 1
2400	Com Port 2 Printer		

**Repeat** Group No then Qty/Time, the answer then press the Subtotal key.

- Press **CASH** to finish and return to REG mode

### Setting a Communications Port Printer

The following defines which of the communication ports is to work with an external printer. (*Nothing is required to be set for Receipt Print KP*).

**Note :-** The required wiring is outlined below.

- Insert the **C** key and turn past **PGM** to unmarked **S** mode.
- Enter **either 80** for port 1 **or 81** for port 2 connection
- Press the **SUBTOTAL** key
- Enter the **Option** number and press **QTY/TIME**
- Enter the **Answer** as per the table below and press **CASH** key

E.g. to set port 1 as baud rate 19,200 enter **80 SUBTOTAL** then **1 QTY/TIME** then **4 CASH** and **CASH** to finish.

Option	Answer	Option	Answer
1	<b>Baud Rate Speed</b> 0=9600 4=19,200 5=38,400 6=57,600 7=115,200	11	<b>Printer Type</b> 2=Bixolon SRP2xx 4=Bixolon SRP350 & Sam4s Ellix20
5	<b>Device</b> 4 – Remote Printer	2,3,4	0 – not used

**Note :-** The current printer baud rate can be found by powering off/on the printer whilst depressing the feed key (power off afterwards).

**Repeat** Option No. Qty/Time, answer then the CASH key.

- Set all options, then press **CASH** and return to REG mode

**Note :-** The wiring used would be as shown below

ECR	Connection	Printer
3		3
2		2
6+8		20
4		6
5		7

## Setting Up a Barcode Scanner

A serial barcode Scanner can be connected for the creation and sale of EAN 8, 13 and 02,21 etc Price Inclusive codes (*see Manual*)

### Setting an External Scanner Port

- Ensure the Scanner is connected to the coms port and the supplied Sam4s Scanner setup sheet has been scanned, and a note made of the baud rate, parity and stop bit settings
- Insert the **C** key and turn past **PGM** to unmarked **S** mode.
- Enter **either 80** for port 1 **or 81** for port 2 connection
- Press the **SUBTOTAL** key
- Enter the **Option** number from below i.e. 1 to set Baud Rate
- Press the **QTY/TIME** key
- Enter the **Answer** i.e. 0 for 9600 baud and press **CASH** key

**Repeat** Option then Qty/Time key, Answer then the Cash key.

- Set all options, then press **CASH** and return to REG MODE

Option	Answer	Option	Answer
1	<b>Baud Rate Speed</b> 0=9600 2=2400 3=4800	2	<b>Parity</b> 0=None 1=Odd 2= Even
3	<b>Stop bits</b> - 0=1 1=None	5	<b>Device</b> - 6 - Scanner

## Connecting a PC

The ECR can connect to the PC using various packages. E.g. The Sam4s Utility which allows the program to be **Uploaded** from the ECR edited then **Download** back to the ECR. There is also control for sales reporting and Receipt bitmap images.

- Insert the **C** key and turn past **PGM** to the unmarked **S** mode.
- Enter **either 80** for port 1 **or 81** for port 2 connection
- Press the **SUBTOTAL** key
- Enter the **Option** number and press **QTY/TIME**
- Enter the **Answer** as table below and press the **CASH** key
- Repeat** Option No. Qty/Time, answer then the CASH key.
- Set all options, then press **CASH** and return to REG mode

Option	Answer	Option	Answer
1 *	<b>Baud Rate Speed</b> 0=9600 4=19,200 5=38,400 6=57,600 7=115,200	5	<b>Device</b> 1 – PC Connection
9600 Default		2,3,4	0 – Not Used

**Note :-** The wiring used would be as shown below

ECR	Connection	PC
2		3
3		2
4		6
6		4
5		5
7		8
8		7

**Important:-**

Ensure any  
USB to serial convertor  
used is supplier  
approved