
Samsung ER-5115

PC Utility User's Manual



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Introduction

About the ER-5115 PC Utility

The ER-5115 PC Utility provides basic PC communication functions for Samsung ER-5115 ECRs. This utility was designed primarily as a dealer tool - to save, edit, and download programs.

Note: The ER-5115 PC Utility supports only direct onsite connection to the ECR. Modem communications are not supported.

ER-5115 PC Utility Features

- Multiple Stores
- Save and Load ECR programs
- Edit ECR programs
- Poll and View Register Reports

Note: The ER-5115 PC Utility was developed to work best with a screen resolution of at least 1024 x 768 pixels.

Getting Started

Installing the Utility

1. From Windows Explorer, locate the file: SETUP5115.exe. Double click the file to open the installation dialog box.
2. Follow the instructions to complete the installation.

Preparing the ER-5115 for Communications

The ER-5115 includes a standard RS-232C port. No program settings are required to communicate with a PC, however the register must be ready for communications:

- Connect the register directly to the PC with the appropriate cable. See “Cabling Diagrams” on page 21.
- The register power must be on.
- The register must be placed in the PC Ready Mode.

Entering the PC Ready Mode Manually

1. Turn the control lock to the **Z** or **P** position.
2. Press the **CLERK** key.

A rectangular button with rounded corners and a thin border, containing the word "CLERK" in a bold, uppercase, sans-serif font.

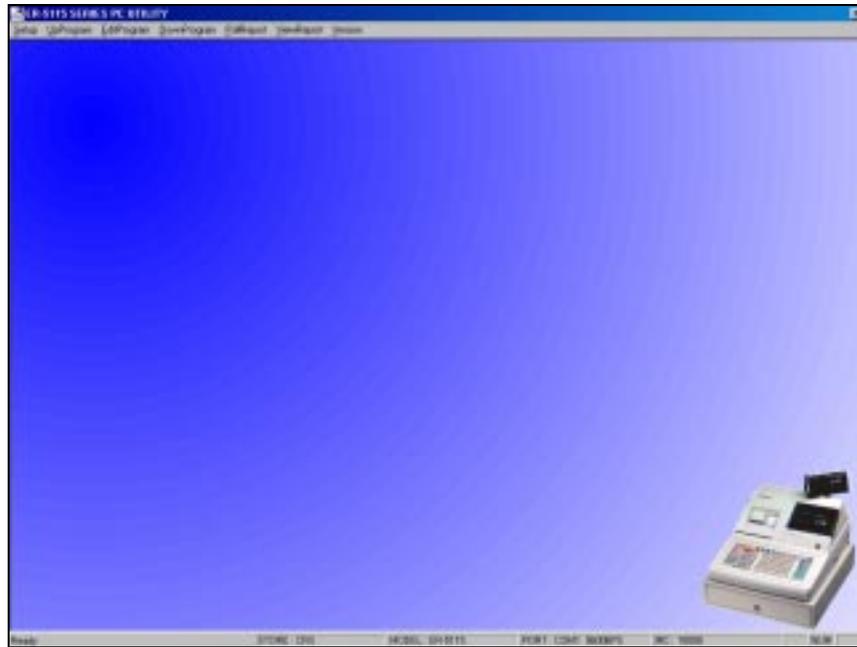
Exiting the PC Ready Mode Manually

1. Press the **CLEAR** key.

A rectangular button with rounded corners and a thin border, containing the word "CLEAR" in a bold, uppercase, sans-serif font.

Starting the PC Utility

1. Choose **Start, Programs, SHC PC Utility** and then **ER-5115 PC Utility**. The Store Setting dialog box displays.
2. Select the store you wish to open and click the **Close** button. The **ER-5115 Series PC Utility** window opens. The current store is displayed at the bottom of the window.

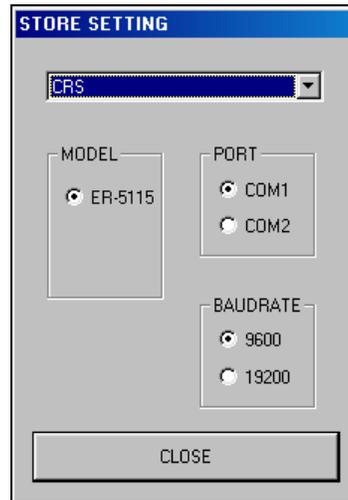


Current Store

Store Settings

There is no limit to the number of stores. When you start the utility for the first time, enter the store name and select the model, PC port and baud rate.

The Store Setting Dialog Box



Selecting a Store

- ◆ Select the working store when you start the utility.
- ◆ To change the working store after the utility has been started, choose **Setup Store** from the **Setup** menu and select a different store from the drop-down list box.

Adding a Store

- ◆ Choose **Add Store** from the **Setup** menu. At the **Add Store** dialog, enter the store name and click **OK**. At the **Store Setting** dialog, select the model, PC port, baud rate and click the **Close** button.

Removing a Store

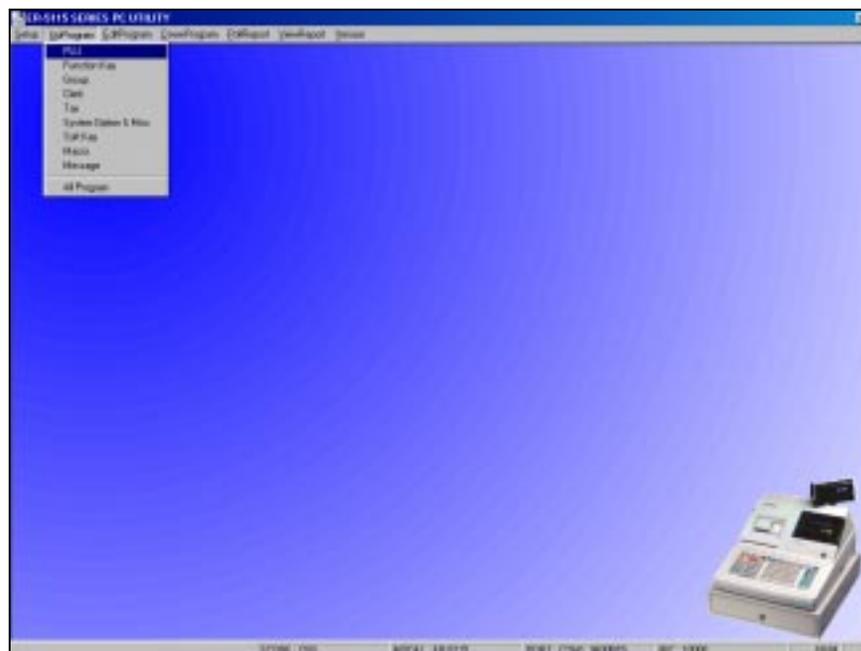
- ◆ Choose **Remove Store** from the **Setup** menu. At the **Remove Store** dialog, select the store name to remove and click **OK**.

Upload/Download Programs

UpProgram

You must upload a program before program edit functions are allowed.

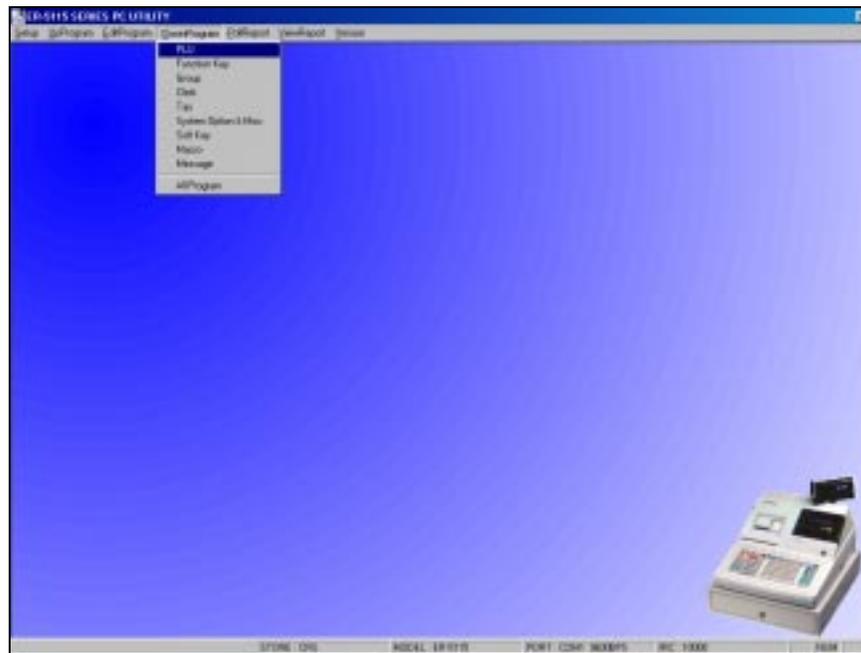
- ◆ Select the program segment you wish to upload from the **UpProgram** menu, or select **AllProgram** to upload the entire register program



DownProgram

Downloading a program will overwrite the existing register program.

- ◆ Select the program segment you wish to download from the **DownProgram** menu, or select **AllProgram** to download the entire register program.



Edit Programs

Procedures

All register programs can be edited with the PC Utility. You will find options neatly organized on dialog boxes, making register option programming on the PC Utility more efficient than programming options at the register.

▪ **You must upload a program before program edit functions are allowed.**

1. To edit a program, choose the appropriate program from the **EditProgram** menu. An example of each program dialog box is shown in this chapter.
2. After edits, click **Save** to exit and save changes, or click **Cancel** to exit without saving changes.

Tips

- Each Store's data, including both uploaded program files and polled report files, is located in a separate folder under the ER-5115 PC folder.
- If you are building a new register program based upon an existing store, you can copy an existing store's program files to a new store folder. It is often more efficient to modify an existing program than to start over with a new one.
- If you are building a large PLU file with identical (or similar) options for each PLU, you may find the from/to PLU programming at the register useful. For example, you can first program the identical options for a range of PLUs at the register. Then upload the PLU program with the utility. Use the utility to program descriptors, prices and make adjustments to each PLU individually. Finally, you can download the completed program to the register.
- If you have questions regarding the meaning of ECR features, refer the appropriate *ER-5115 Program and Operation* manual for an explanation of your program options.

Program Edit Screens

PLU

PROGRAMMING PLU - Right click to delete an item.

CODE	DESCRIPTOR	PRICE1
1	GROCERY	99.99
2	PRODUCE	99.99
3	DAIRY	99.99
4	PACK CIGS	3.50
5	CARTON CIGS	28.99
6	SOUP	0.99
7	B&B BEANS	1.79
8	CANDY	0.75
9	CAN POP	0.79
10	BOTTLE POP	1.29
11	GAS	1.699
12	OIL	99.99
13		0.00
14		0.00
15		0.00
16		0.00
17		0.00
18		0.00
19		0.00
20		0.00
21		0.00
22		0.00
23		0.00
24		0.00
25		0.00
26		0.00
27		0.00
28		0.00
29		0.00
30		0.00
31		0.00
32		0.00
33		0.00
34		0.00
35		0.00
36		0.00
37		0.00

TOTAL PLU# : 1000

PLU CODE:

DESCRIPTOR:

GROUP:

PRICE1:

SAVE & EXIT

CANCEL

TAXABLE BY:

1 2 3 4

GALLONAGE ITEM SINGLE ITEM

FOOD STAMP ELIGIBLE NEGATIVE ITEM

CONDIMENT ITEM HASH ITEM

SCALABLE NON ADD # COMP.

VALIDATION COMP. CONDIMENT COMP.

PRINT RED ON KP

*RINT PRICE ON RECEIPT / DETAIL / GUEST CHECK

NOT PRINT ON RECEIPT NOT PRINT ON DETAIL

NOT PRINT ON GUEST CHECK

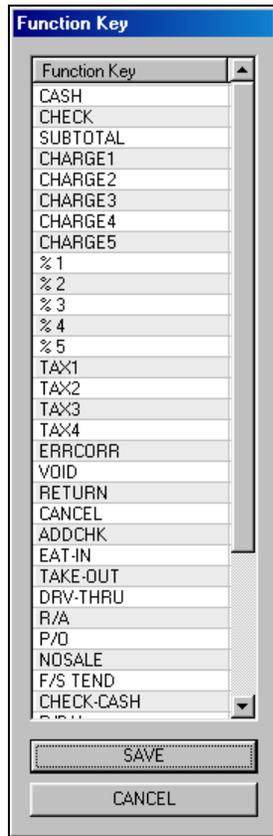
PLU IS:

SALE COUNTER DECREMENTS FOR PLU STOCK

Z COUNTER NOT RESET

LINK PLU CODE:

Function Key

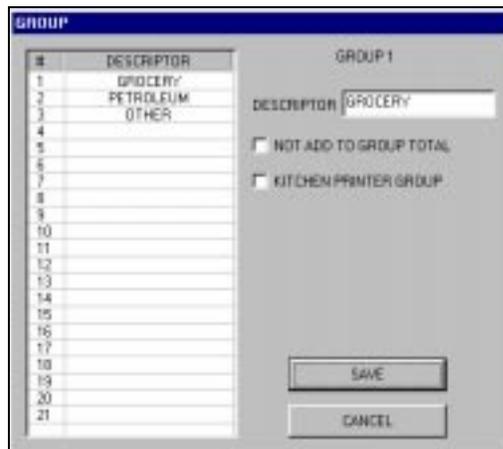


The 'Function Key' dialog box features a list of 30 function keys. The list includes: CASH, CHECK, SUBTOTAL, CHARGE1, CHARGE2, CHARGE3, CHARGE4, CHARGE5, % 1, % 2, % 3, % 4, % 5, TAX1, TAX2, TAX3, TAX4, ERRRCORR, VOID, RETURN, CANCEL, ADDCHK, EAT-IN, TAKE-OUT, DRV-THRU, R/A, P/O, NOSALE, F/S TEND, and CHECK-CASH. Below the list are 'SAVE' and 'CANCEL' buttons.

Function Key
CASH
CHECK
SUBTOTAL
CHARGE1
CHARGE2
CHARGE3
CHARGE4
CHARGE5
% 1
% 2
% 3
% 4
% 5
TAX1
TAX2
TAX3
TAX4
ERRRCORR
VOID
RETURN
CANCEL
ADDCHK
EAT-IN
TAKE-OUT
DRV-THRU
R/A
P/O
NOSALE
F/S TEND
CHECK-CASH

SAVE
CANCEL

Group



The 'GROUP' dialog box shows a table with 21 rows and two columns: '#', 'DESCRIPTOR'. The first three rows are populated with '1 GROCERY', '2 PETROLEUM', and '3 OTHER'. To the right, 'GROUP 1' is selected, and its 'DESCRIPTOR' is 'GROCERY'. There are two checkboxes: 'NOT ADD TO GROUP TOTAL' and 'KITCHEN PRINTER GROUP', both of which are unchecked. 'SAVE' and 'CANCEL' buttons are at the bottom.

#	DESCRIPTOR
1	GROCERY
2	PETROLEUM
3	OTHER
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	

GROUP 1
DESCRIPTOR: GROCERY

NOT ADD TO GROUP TOTAL
 KITCHEN PRINTER GROUP

SAVE
CANCEL

Clerk

CLERK

#	DESCRIPTOR
1	SALLY
2	JILL
3	TERESA
4	KATIE
5	MARISSA
6	CAITLIN
7	LAUREN
8	SHANNON
9	TINA
10	TRACY
11	
12	
13	
14	
15	

CLERK 1

DESCRIPTOR

CLERK CODE

DRAWER ASSIGN (0-2)

Tax

TAX

TAX1

RATE

ADD ON

TAX TABLE

VAT

GST TAXTABLE

TAX 1

TAX 2

TAX 3

System Option

System Option

Cash declaration is compulsory before %Z financial report
 Cash drawer does not open when cash declaration is run
 cash declaration is run
 reports are run.

Grand total is not printed on financial report.
 Skip media totals with zero activity on financial report.
 Print abbreviated financial report.
 Print media totals with zero activity on GROUP report.
 Consecutive number reset after Z1 financial report.
 Grand total reset after Z1 financial report.

Print GROUP report at beginning of financial report.
 Print CLERK report at end of financial report.
 Print PLU with zero totals on report.
 Print sales rate on PLU report.
 Skip media totals with zero activity on CLERK report.
 Print media totals on cashier reports.
 Gross total not print on financial report.
 Void/Return totals not print on financial report.

Reset Z counter after
 Z1 financial report.
 Z1 line report.
 Z1 plu report.
 Z1 clerk report.
 Z1 daily report.
 Z1 group report.

Inhibit Z counter print on report.
 Inhibit consecutive no. on receipt and journal.
 Print date of last report on Z report.
 print on receipt and journal.
 Inhibit date
 Inhibit time
 Inhibit machine no.

Date Format: MMDDYY
 Decimal Place: Second
 Clerk key: stay-down
 Clerk signon method: direct entry
 Currency logo is: \$

Compulsory drawer is disabled.
 Validation sensor is activated.
 Paper sensor is disabled.
 Open drawer alarm is active.

Enter the number of seconds before the open drawer warning tone sounds: (0-30)
 Compulsory Tax weight
 Scalable
 Tax amount charged amt printed on receipt at finalization.
 Tax amount to print on receipt at finalization is: [taxed]
 Print taxable total
 VAT will print on the receipt and journal separate from the cost of the taxable item.
 Negative sales totals are not allowed.
 Inhibit printing of positive PLU entries on journal.
 Subtotal without tax will print on receipt and journal.

Disable PLU preset/hold override
 VOID MODE is not allowed
 Tending validation amount is: amount tendered
 Allow multiple validation.
 Allow multiple buffered receipt.
 Buffered receipt is issued on the "RECEIPT" position.
 Print rate item no.
 Subtotal is printed when the "SUBTOTAL" key is pressed.
 Print Tablet on kitchen printer
 % and tax calculation will: round up at 0.50
 Rounding factor for split pricing, decimal multiplication: round up at 0.50
 Steps and Logo printing on receipt: Print only stamp
 Postable message will be printed on the receipt.
 not be printed on the GUEST CHECK.
 Pretable message
 Postable message
 Allow the train mode.
 Train mode file isn't printed on receipt during train mode.
 Cash drawer does not open during train mode.
 Allow the post tender function.
 Compulsory check endorsement.
 Print check amount in the endorsement.

LEVEL key is active as: stay-down
 Disable LEVEL key
 Level 1
 Level 2
 Level 3
 Allow the direct multiplication on the MLU operation.
 Entry/Take-out/Drive-thru procedure compulsory before tending allowed.
 HUSH PLU add to NET sales.
 Allow any clerk to recall OPEN GUEST CHECK.
 Not print SERVICE TOTAL in GUEST CHECK.
 Not allow DEFAULT LEVEL programming.
 Inventory amount is: Replaced
 Clerk option: Push
 Negative Grand total is printed on financial report.
 Not print receive error message.
 Optional printer: SLIP/load check operation
 Three type: no printer
 Feed line after printing on the Roll printer: (0-50)
 Initial feed line before print on slip printer: (0-20)
 MAXIMUM GUEST CHECK: 0
 Salvage descriptor is: DAL
 Condition entry is allowed after normal PLU's or any time.
 Disable cash descriptor.

SAVE CANCEL

SoftKey

SoftKey

ECT PER	EFT PER	VALID	NO SALE	TAX1	TAX2	MACRO1	MACRO2	YS SHFT	CLERK
INFORM	PLU	CLEAR		XTIME	MLU1	NLU1	NLU11	YS SUBT	CHANGE
VOID		7	8	9	MLU2	NLU2	NLU12	YS TEND	CHANGE
CANCEL	RETURN	4	5	6	MLU3	NLU3	NLU13		CHECK
%1	FVD	1	2	3	MLU4	NLU4	NLU14		SUBTOTAL
%2	PLA	0	00		MLU5	NLU5	NLU15		CASH

SOFT KEY
 1: INFORM
 2: VOID
 3: CANCEL
 4: % 1
 5: % 2
 7: RETURN
 8: FVD
 9: PLA
 10: NO SALE
 11: TAX1
 12: XTIME
 13: SAVE
 14: MACRO1
 15: MACRO2
 16: Y/S SHFT
 17: Y/S SUBT
 18: Y/S TEND

Etc.

Etc

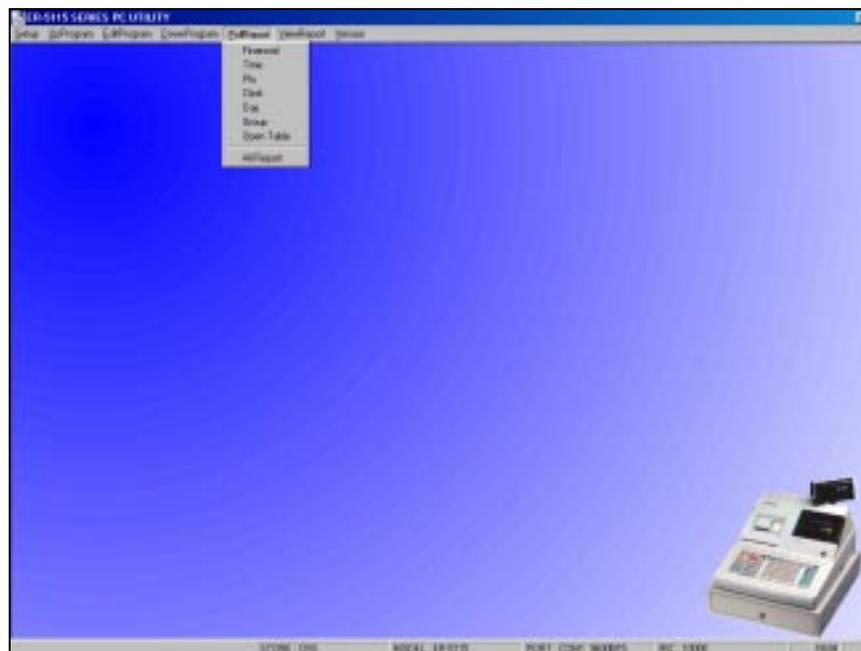
TARE WEIGHT		LEVEL SYSTEM	0
0.000		DEFAULT LEVEL	2
0.000		MACHINE	0
0.000		DRAWER LIMIT	0.00
0.000		ECR ON TIME	0 : 0
0.000			

SAVE CANCEL

Reports

Poll Reports

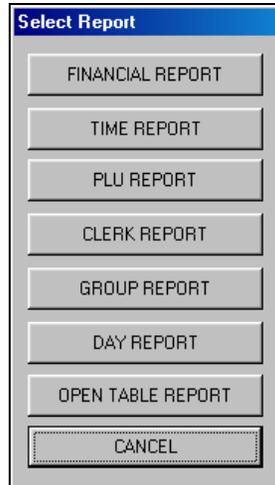
- ◆ Select the report you wish to poll from the **PollReport** menu, or select **AllReport** to upload all reports.



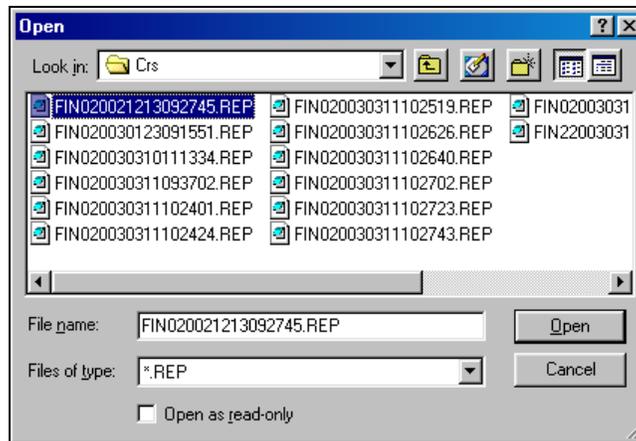
View Reports

Note: Polled report can only be viewed with the built-in viewer. Report files are not ASCII format, nor can they be converted to ASCII format with this utility

1. Select the Individual Report from the ViewReport menu.



2. Click the button that represents the report you wish to view.



3. Select the report you wish to view and click **Open**.

Click to view the next page of the report.

DESCRIPTION	COUNT	TOTAL
+PLU TTL	0	0.00
-PLU TTL	0	0.00
ADJUST TTL	0	0.00
NONTAX	0	0.00
TAX1 SALES	0	0.00
TAX2 SALES	0	0.00
TAX3 SALES	0	0.00
TAX4 SALES	0	0.00
TAX1	0	0.00
TAX2	0	0.00
TAX3	0	0.00
TAX4	0	0.00
XMPT1 SALES	0	0.00
XMPT2 SALES	0	0.00
XMPT3 SALES	0	0.00
XMPT4 SALES	0	0.00
EATH TTL	0	0.00
TAKEOUT TTL	0	0.00
DTHRU TTL	0	0.00
% 1	0	0.00
% 2	0	0.00
% 3	0	0.00
% 4	0	0.00
% 5	0	0.00
NET SALE	0	0.00
CREDIT TAX1	0	0.00
CREDIT TAX2	0	0.00
CREDIT TAX3	0	0.00
CREDIT TAX4	0	0.00
FUS CREDIT	0	0.00

4. Use the scroll bar or the arrow buttons to view the report

Appendix

Cabling Diagrams

You can configure cables yourself with the diagram provided here, or you can order the appropriate cables from CRS Parts at 1-800-333-4949.

Direct Connection

Part # 522046

Samsung Modular RJ12	PC DB-9F
DTR1	1DCD
N.C.2	2RXD
TXD3	3TXD
N.C.4	4DTR
RXD5	5GND
GND6	6DSR
	7RTS
	8CTS
	9RI.

Part # 522049

Samsung Modular RJ12	PC DB-25F
DTR1	1ChGND
N.C.2	2TXD
TXD3	3RXD
N.C.4	4RTS
RXD5	5CTS
GND6	6DSR
	7GND
	8DCD
	20DTR