



ER-A410



ER-A420

MODELER-A410/ER-A420

PC Link Setup Utility for ROM Version RACC1A

Category	Contents	Pg
Section 1.	Overview.....	2
Section 2.	Prior to Beginning	3
	Cable Requirements.....	3
Section 3.	ER-A410/ER-A420 Setup	5
Section 4.	PC Hardware & Software Requirements	7
Section 5.	PC Link Installation	8
Section 6.	PC Link Communications Settings	13
Section 7.	Starting Initial Programming	15
Section 8.	Modifying Current Programming Data	52
Section 9.	Downloading a Graphics Logo	58
Section 10.	Trouble Shooting & Error Messages	65

Notice:

The PC Link software and/or documentation referred to in this manual are furnished under license by Sharp Electronics Corporation and may only be used or copied in accordance with the terms of such license.

Except as permitted by such license, no part of the software or documentation may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, recording, or otherwise, without the prior written permission of Sharp Electronics Corporation.

TRADEMARKS

PC Link and Easy Programming Tool are trademarks of Sharp Corporation, Microsoft, Windows, Windows 98SE, Windows 2000 and Win32 are trademarks of Microsoft Corporation. All other trademarks and registered marks are the property of their respective holders.

NOTICE TO USERS

This manual is intended to assist authorized Sharp dealers, with learning and understanding how to install and provide support in the utilization of the PC Link software utility for the ER-A410 and ER-A420 model cash registers. This assumes that you are familiar with the general programming concepts of the ER-A410 and ER-A420. Please read this introductory section carefully as it will provide helpful hints and recommendations that will make your time more efficient and produce time saving results. This manual is not intended for end user customers of authorized Sharp dealers.

Section-1: Overview

The Easy Programming Tool is a PC-based utility designed to assist you with the setup tasks associated with the ERA410 and ERA420 model cash registers.

There are three basic functions provided by the PC Link utilities:

- 1 – Programming of preset data
- 2 – Graphic Logo image downloading
- 3 – All RAM Upload (storage) and Download (recovery)

Please refer to the chart below for the available programming options:

SRV-Mode Related Jobs: (X = indication of availability)			
Job No.	Description	Yes	No
900	System Presets	X	
950	Free Key – Function keys		X
951	Free Key – Direct Keys (Dept. & PLU)		X
975	Memory Allocation		X
930-939	Z-Counters	X	
942-969	GT and Training GT	X	
944	PGM-2 Secret Code	X	
989	Memory Initial		X

PGM 1/2-Mode Related Jobs: (X = indication of availability)			
Job No.	Description	Yes	No
11xx – 21xx	Departments	X	
12xx – 22xx	PLU/Sub departments	X	
13xx – 23xx	Function keys	X	
15xx – 25xx	Cashiers	X	
2119	Direct Key Assignment for Departments		X
2219	Direct Key Assignment for PLU/Sub departments		X
26xx	Date/Time/Optional Settings	X	
2690	Peripheral Channel Assignment		X
27xx	Tax Rate/Tax Table Settings	X	
2900	Auto Key Programming		X
61xx	RS232 Options/Settings		
71xx	CAT (Credit Authorization Terminal) Setting	X	
989	Memory Initial		X

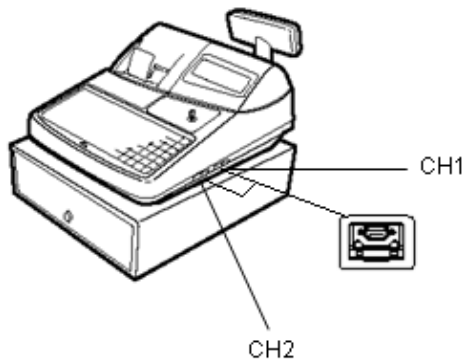
Section-2: Prior to Beginning

Prior to using the PC Link setup utility, the following equipment is required:

- ER-A410/ER-A420
- Communications cable
- IBM compatible PC

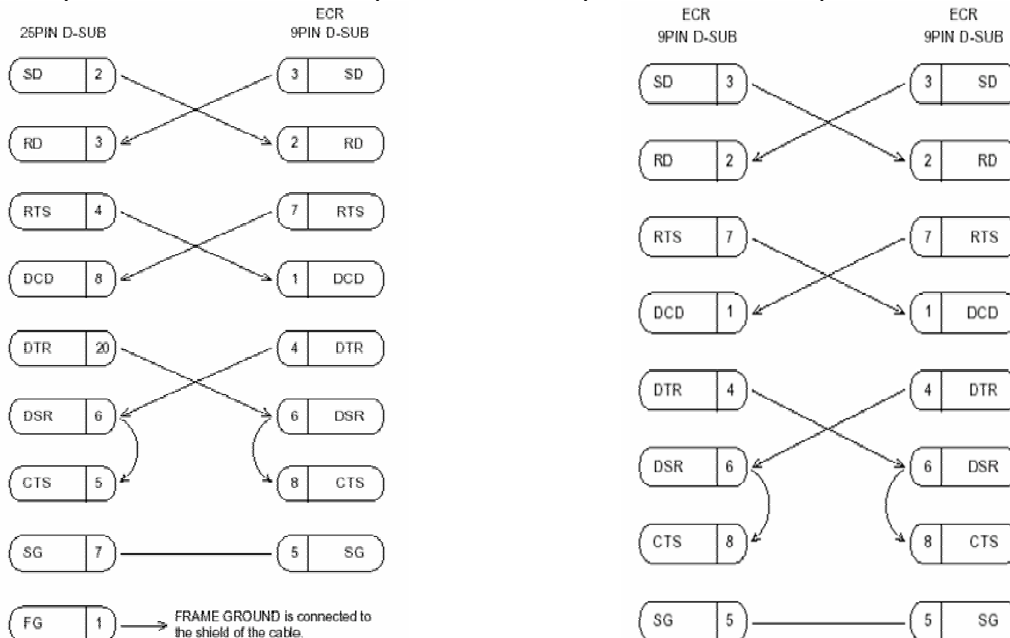
1. ER-A410/ER-A420 Communications Ports:

There are two communications ports standard as shown in the illustration below.



2. Cabling Connection Charts:

Example-1: The PC has a 25-pin D-Sub Example-2: PC has a 9-pin D-Sub



3. ECR Connection to the PC:

Once the connection cable is made, simply select either CH-1 or CH-2 at the ECR and then connect the remaining end to the PC communications port to be used for the PC Link utility.

NOTE:

The PC Link utility uses the Online communications function and when connecting the cable to the desired channel, no other device may be assigned to the same channel.

Section-3: ER-A410/ER-A420 Setup

It is recommended to establish the proper settings at the ECR prior to installing the PC Link software at the PC.

Step – 1: PGM Job#2690:Device Configuration

The ERA410/ERA420 RS232 Device Programming (2690 Option #1) must be set up to communicate with PC Link. Select the channel to be connected to the PC and program the Device Configuration Setting accordingly:

Example-1:Assigning the Online function to Channel-1

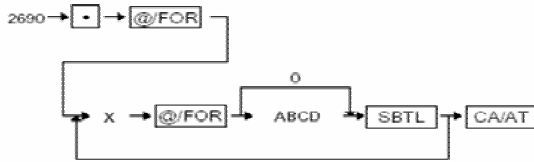
2690 → . → @/For → 1 @/For →1000 → SBTL → CA/AT:Channel No. 1

Example-2:Assigning the Online function to Channel-2

2690 → . → @/For →1 @/For → 2000 → SBTL → CA/AT:Channel No. 2

[JOB#2690]

THE ASSIGNMENT OF RS232 FUNCTIONS BY EACH DEVICE



X: 1

MRS = 0000

A:

Channel No. for on-line or print data sending	A
Not connect	0
RS port 1	1
RS port 2	2

B: Not used (Fixed at "0")

C:

Channel No. for SCALE	C
No	0
Channel No.	1 or 2

D:

Channel No. for coin dispenser	D
No	0
Channel No.	1 or 2

X: 2 Not used (Fixed at "0000")

MRS = 0000

X: 3

MRS = 0000

A: Not used (Fixed at "0")

B:

Channel No. for slip printer	B
Not connect	0
RS port 1	1
RS port 2	2

C: Not used (Fixed at "0")

D:

Channel No. for CAT	D
No	0
Channel No.	1 or 2

Step – 2: PGM Job#6112:

The communications baud rate must match the setting selected for the PC Link communications utility.

Since the Online communications function is used for the PC Link utility "A" = "0". Leading zeros are not required, thus "B" is the setting variable for this programming job.

[JOB#6112]

RS-232C FUNCTION SELECTING



A:	Print data	A
	Data download and upload	0
	Print data send	1

B:	RS-232C Baud rate	B
	4800bps	4
	9600bps	5
	19200bps	6
	38400bps	7

(*) Data value "3/2/1/0" is reserved.

Note: The value of the baud rate is used for the Online communication and Print data functions.

It is not used for the Data back up function (SRV#996, SRV#998).

MRS = 06

Example Settings:

AB = 04 : 4800 bps = 05: 9600 bps = 06: 19200 bps = 07: 38400 bps
--

Section-4: PC Hardware & Software Requirements

Once the PC Link utility has been installed, the minimum PC hardware and operating systems required for operations are outlined below:

- IBM PC or 100% Compatible
 - 24 MB DRAM for operations
 - 40 MB Free Hard Disk Space

- Operating System
 - Microsoft Windows 98/ME/2000/XP

- Display Setting
 - 1024 x 768 – avoids scrolling when using the application

Section-5: PC Link Software Installation Procedures

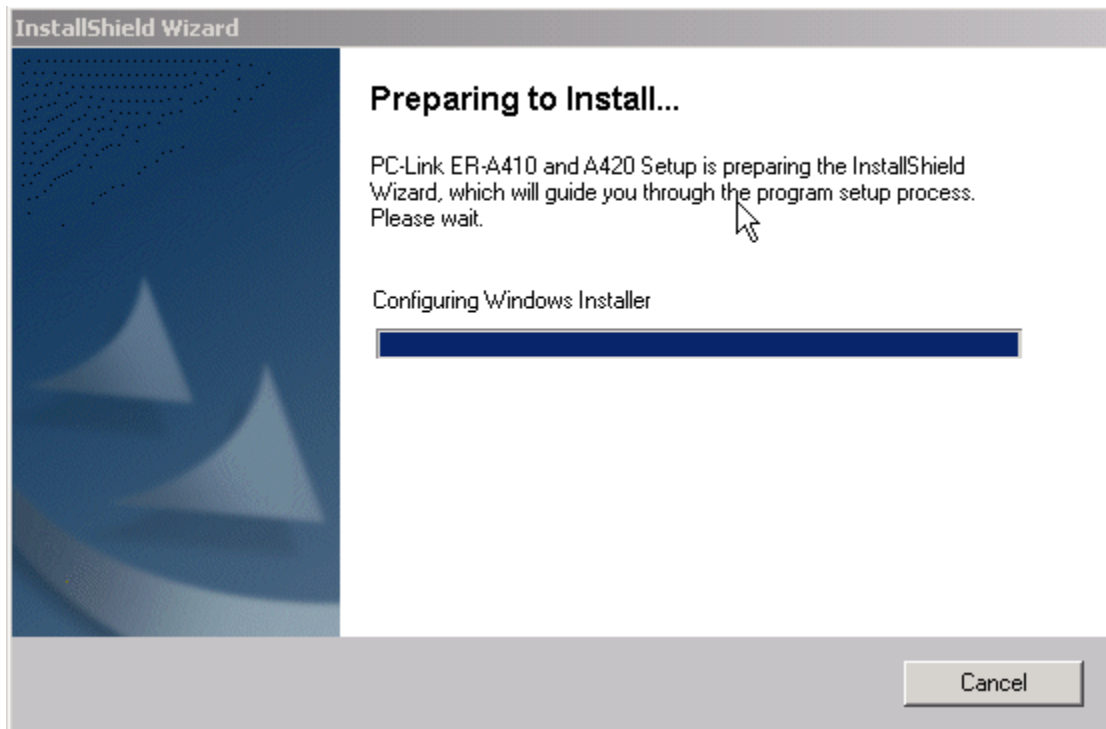
The PC Link setup utility must be installed (versus copying) to facilitate communications between the ECR and the PC.

Step – 1: Start the Installation

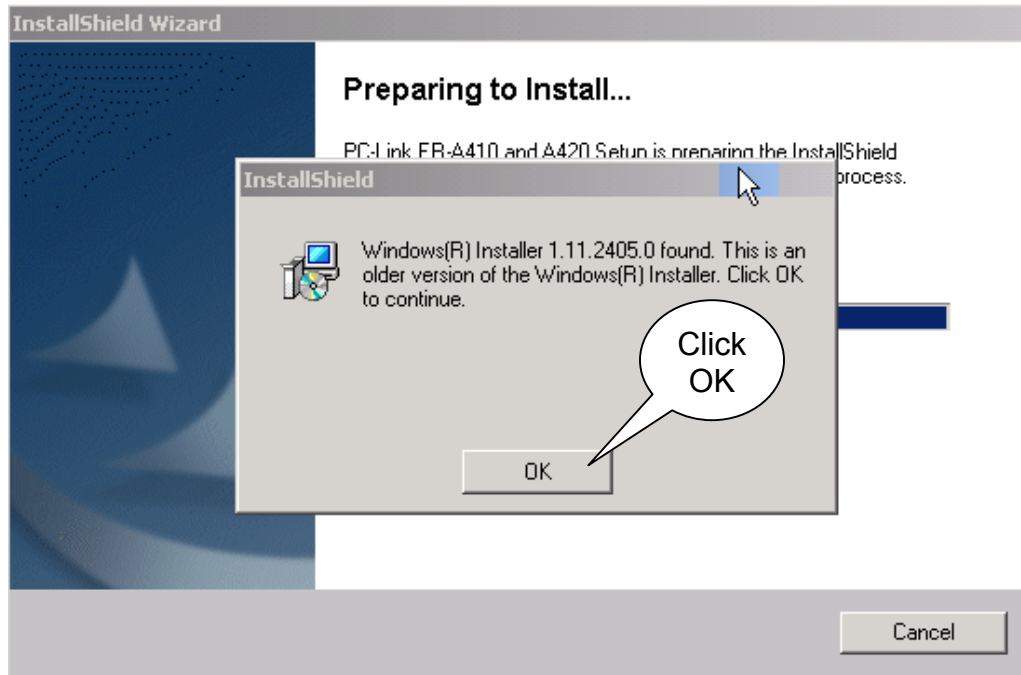
1. Locate and Click on the Set Up Icon.



2. The following screens will be displayed during installation.



3. When an older version Windows® Installer is detected:
If an older version installer is detected – simply click [OK]



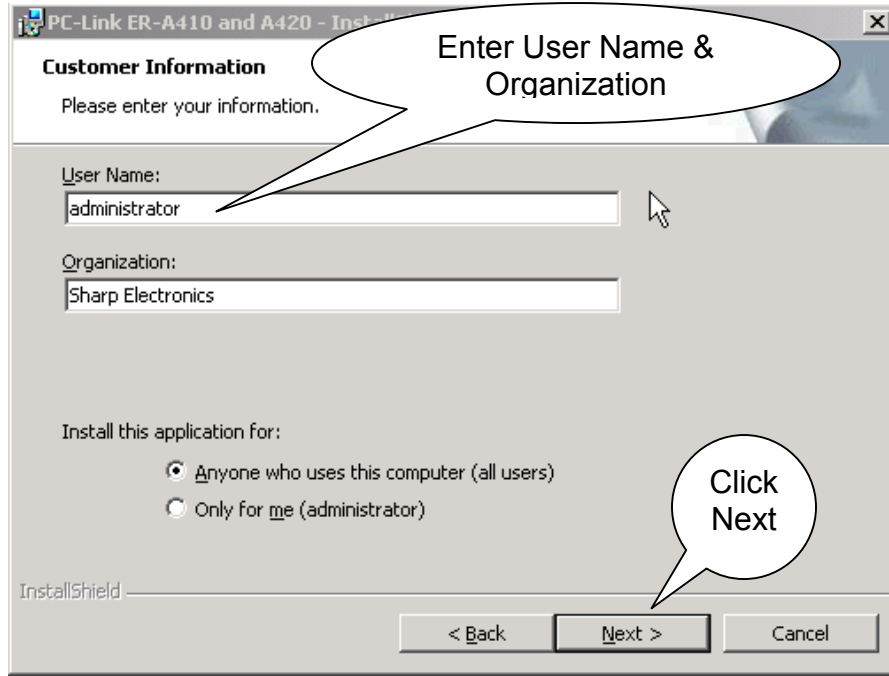
Step – 2: Follow the InstallShield Wizard Prompts

When the InstallShield Wizard appears to begin installation – click [Next] to continue.



Step – 3: Enter the User Name & Organization

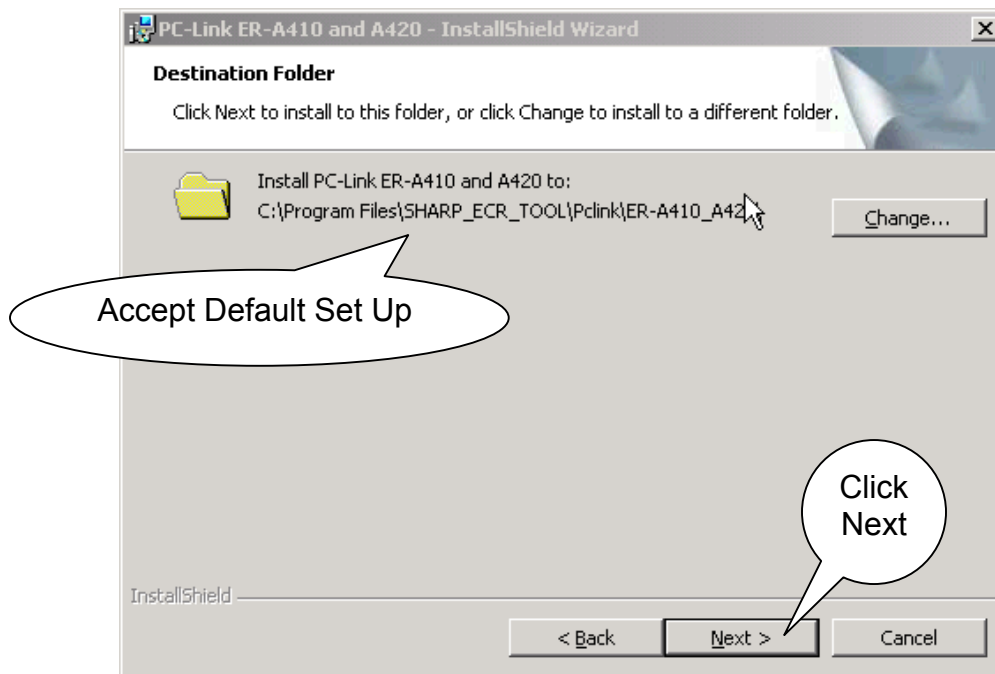
Provisions for entering a user name and organization are prompted. When finished you click [Next] to continue.



NOTE:
When installing this utility, it is recommended to allow all users for the computer to have access to the application.

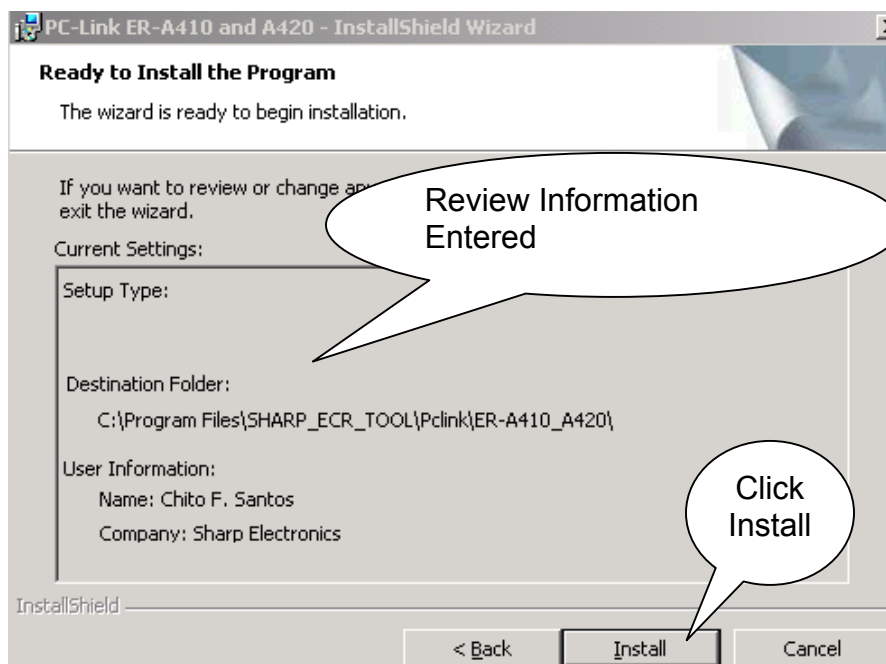
Step – 4: Select Destination Folder

For this installation example – it is recommended that the default folder be used for installation. To accept the default settings – click [Next] to continue.



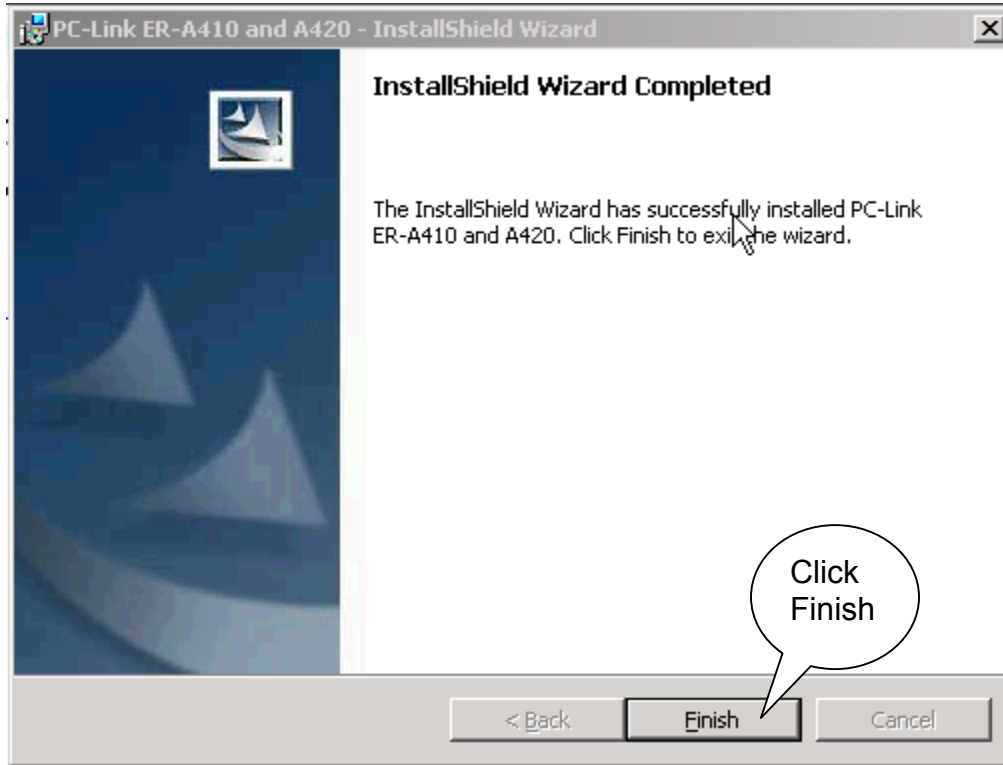
Step – 5: Review Information

Review the previously entered installation data. To accept the settings – click [Next].



Step – 6: Complete the Installation Process

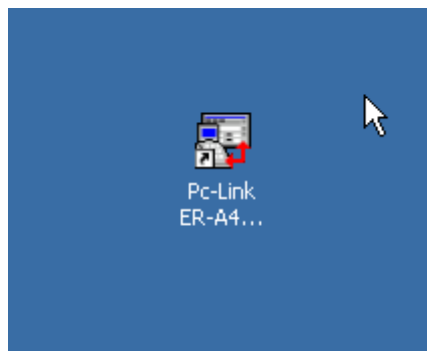
When the application has been successfully installed to complete and exit the InstallShield Wizard – click [Finish].



The PC Link icon will be on your computer desktop when the installation is done.

Step – 7: Locate the PC Link ICON

The PC Link icon will be located on your computer desktop when the installation is done.

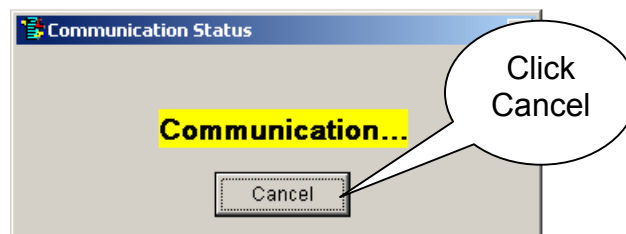


Section-6: PC Link Communications Settings

Prior to launching the PC Link utility for programming, the communications settings at the PC must be synchronized with the ECR.

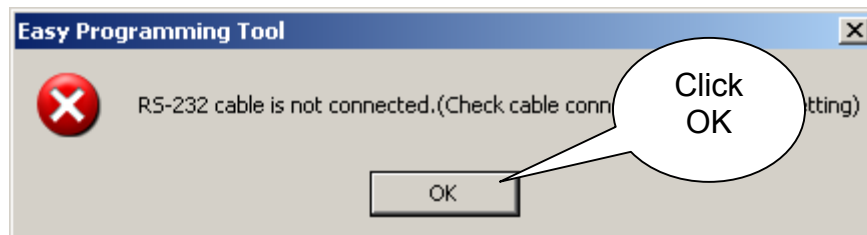
Step – 1: Launch the PC Link Utility

1. Launch the PC Link utility by double-clicking the PC Link ICON.
2. The PC Link utility automatically searches for a connected ECR – click [Cancel] to bypass this step.



NOTE:

When the ECR is not connected and enough time lapses (the no. of retries is attempted without a successful connection), the following error message will appear – to proceed with setting the PC communications setup, click [OK]

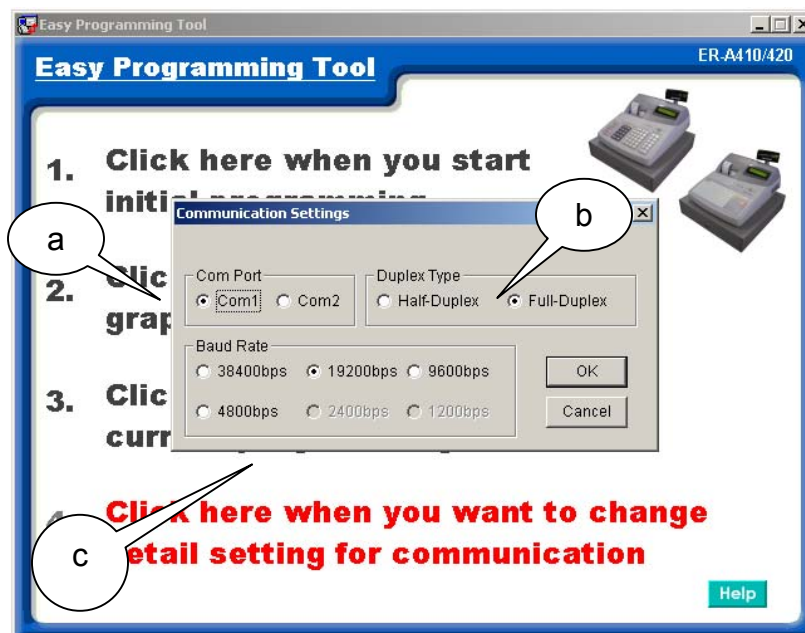


Step – 2: Select Communications Settings

1. Select Menu Option #4 to make the desired communications selections



2. Make the required communications settings as shown below.
 - a. Select the correct Com Port used at the PC (Not the ECR) – Com 1 or Com 2
 - b. Always use Full Duplex
 - c. Match the PGM Job code 6112 - Baud Rate Setting



3. Once the desired settings are selected – click [OK]

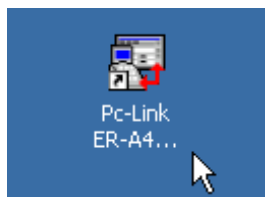
Designs and specifications are subject to change without notice.

Section-7: Starting Initial Programming

Prior to launching the PC Link programming tool, insure that the ECR and the PC are connected using the cable outlined previously.

Launch the PC Link Programming Tool

1. Launch the programming tool - double-click the PC Link Icon.



2. The PC Link application will search for the connection of the ECR through the communications port – if everything is set correctly, the application will start.



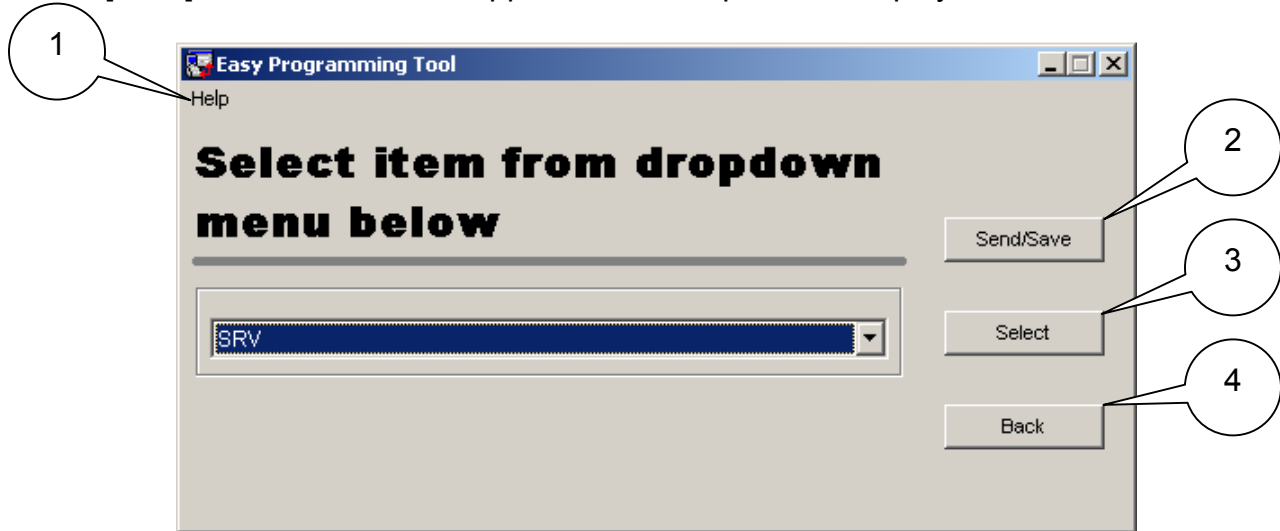
3. Select Menu Option #1 - select the desired model ER-A410 or ER-A420 ECR.



Initial Programming Main Menu

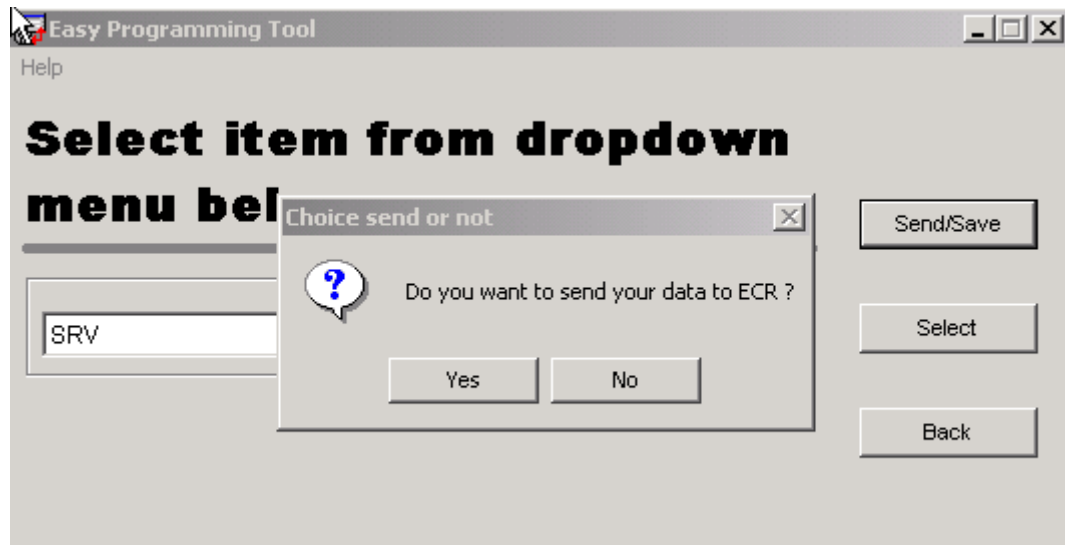
Overview of selections provided by the Initial Programming Main menu:

1. Help file: contains reference help for using the utility
2. [Send/Save] button: Dual function button which can save the data or send it
3. [Select] button: used to select the highlighted menu item
4. [Back] button: returns the application to the previous display



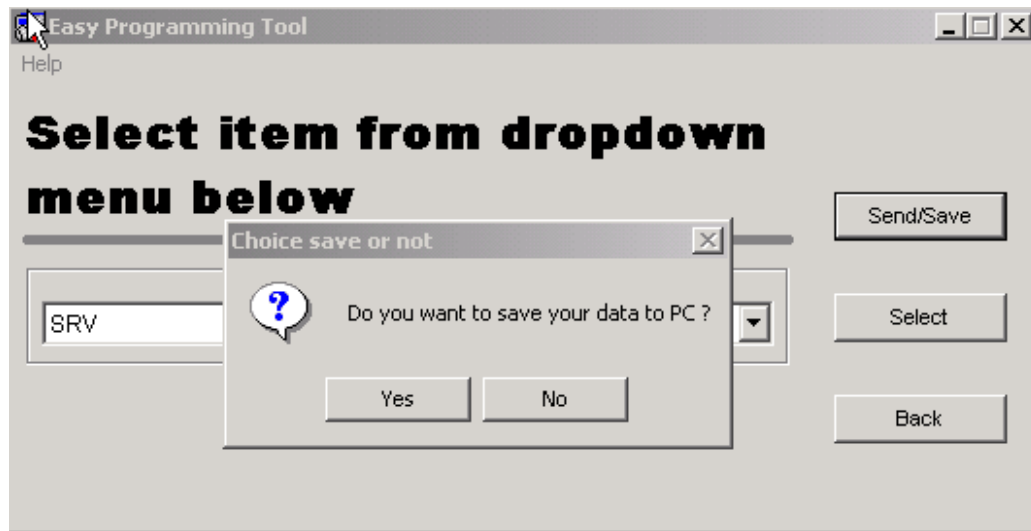
Sending/Saving Data

1. Selecting the [Send/Save] button – you will be prompted to send the changes to the ECR.



2. To send data back to the ECR – click [Yes] or go to the next step to save on the PC.

- To save the data to the PC – click [No] and the prompt to save the data to the PC will appear.

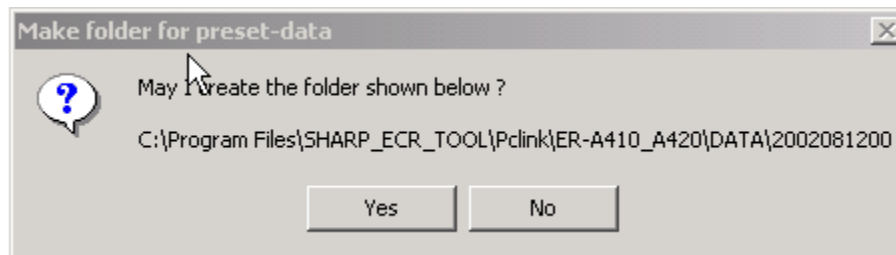


- To save the data to the PC - click [Yes]

NOTE:

The PC Link utility will prompt to save the data to a designated date-stamped folder

- To save the data to the designated dated folder – click [Yes] or click [No] to name the folder

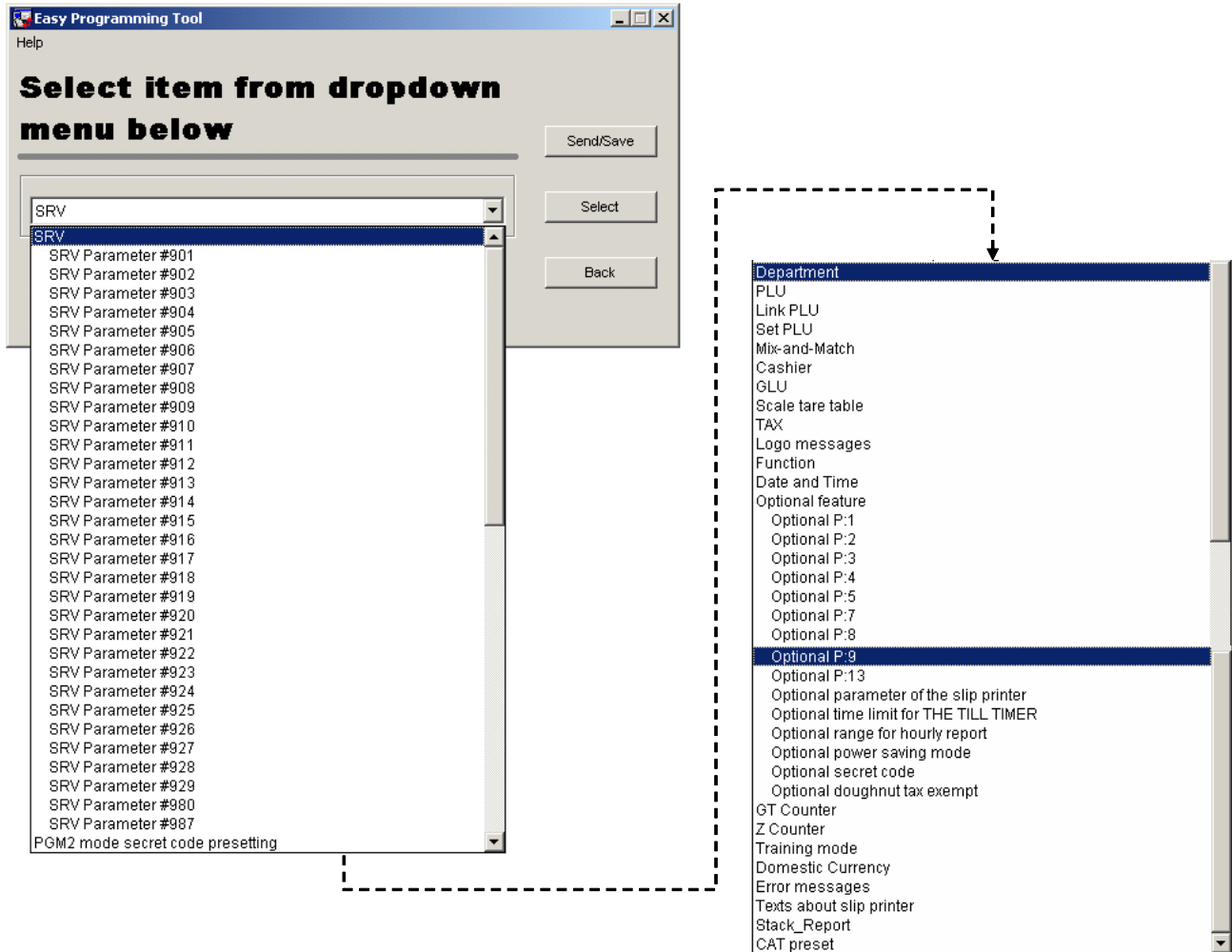


- Name the folder – click [ok] when finished



Menu Selections available from the Drop-Down Menu

Selections available from the Main Menu Drop-Down Menu option list:



NOTE:

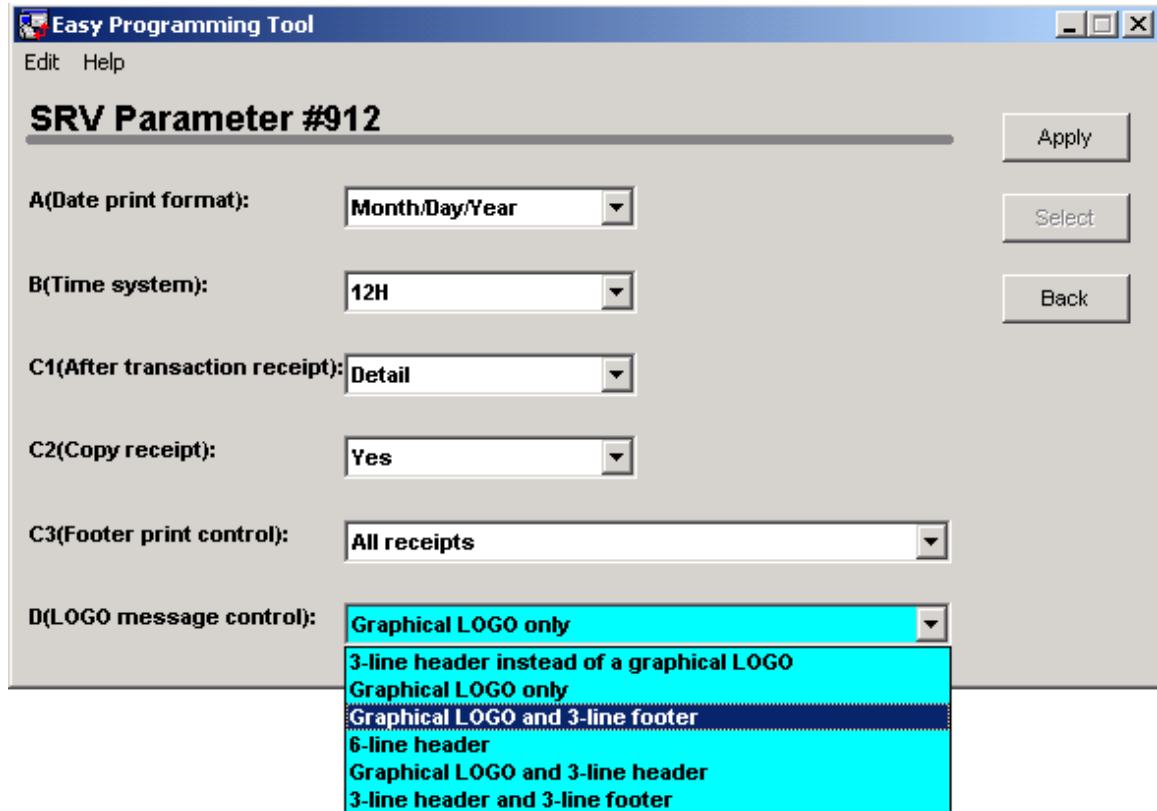
The following examples for each available setting will relate to the above Main Menu and refer to scrolling to the Menu selection. The above list also incorporates an alpha search function to ease locating the desired Menu selection.

Example-1: Modifying a SRV Job

1. Highlight the desired “SRV Job” menu option from the drop-down list – double click or highlight and click [Select].

Example: Selection for SRV Job#912

2. Edit the required selections within the SRV Job# - Click [Apply] when finished.



3. Continue with making additional changes or Click [Send/Save] – you will be prompted to send the changes to the ECR:
 - a. To send data back to the ECR – click [Yes] or go to the next step to save on the PC.
 - b. To save the data to the PC – click [No] and the prompt to save the data to the PC will appear.
 - c. To save the data to the PC - click [Yes]

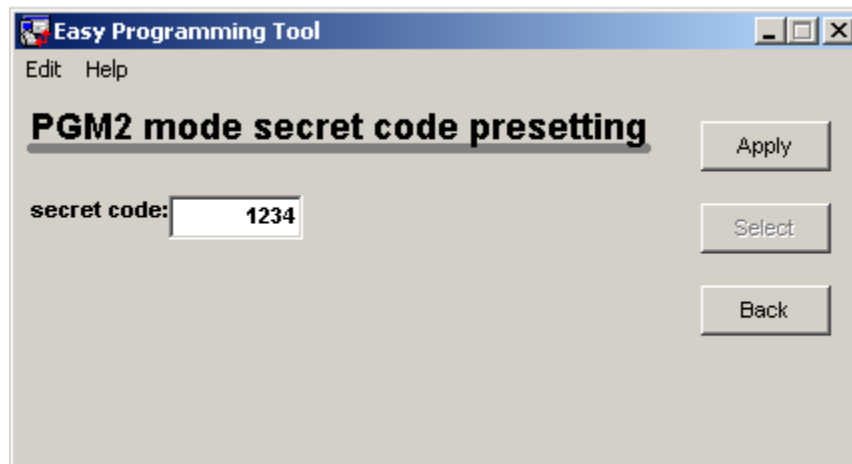
NOTE:

The PC Link utility will prompt to save the data to a designated date-stamped folder

- d. To save the data to the designated folder – click [Yes]

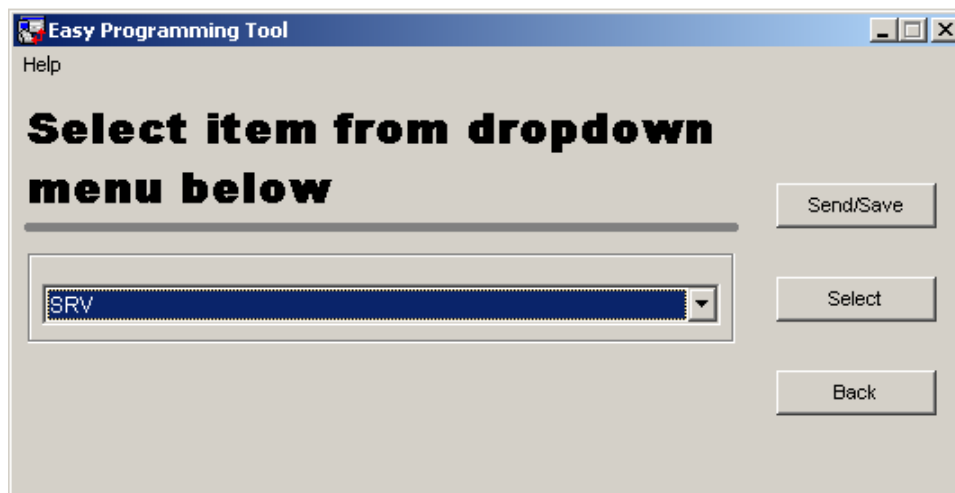
Example-2: Modifying the PGM2 Secret Code

1. Highlight the “PGM2 Secret Code” menu option from the Main menu – double click or highlight and click [Select].
2. Enter the desired Secret Code – click [Apply]



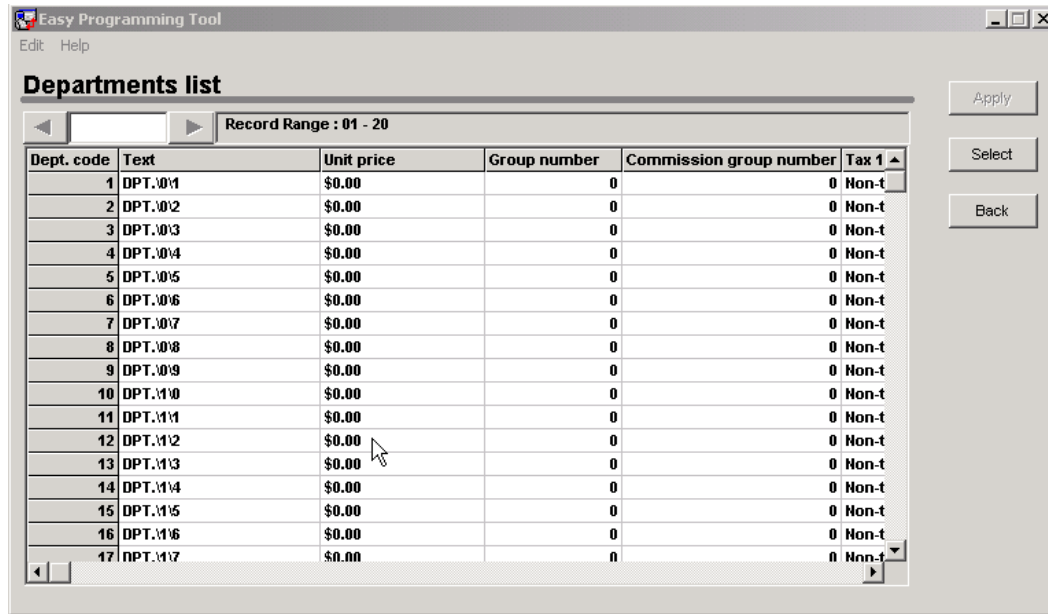
NOTE:

When the [Apply] button is selected the program will return to the Main Menu.

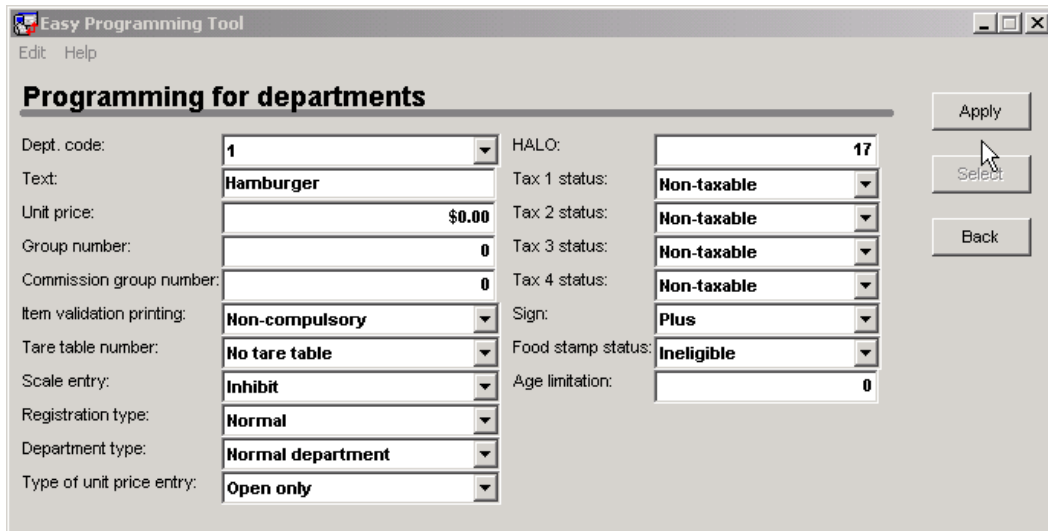


Example - 3: Modifying a Department

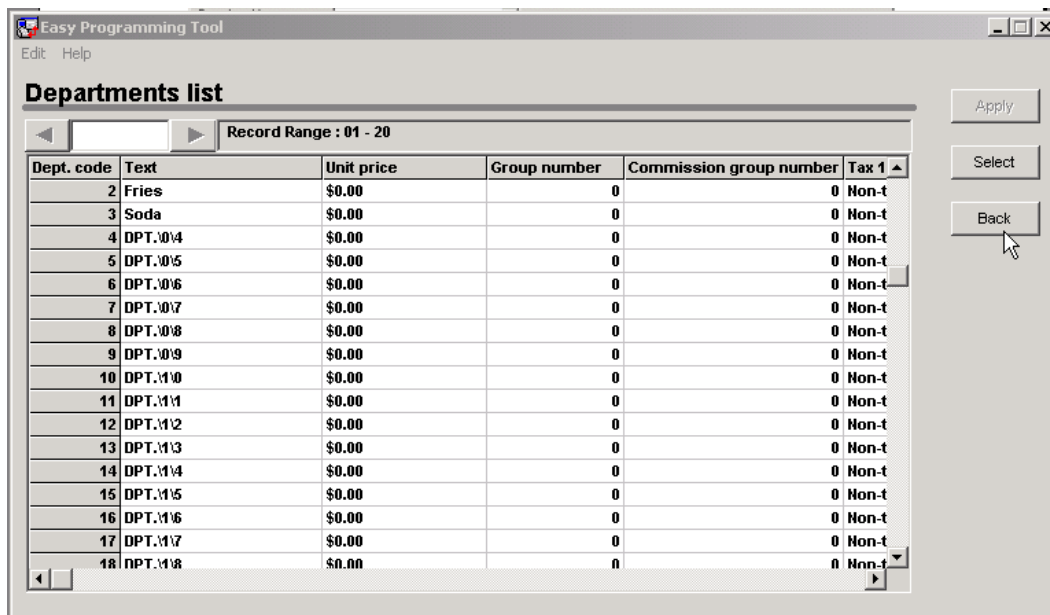
1. From the Main Menu, scroll down and highlight the “Department” from the drop-down list – double click or highlight and click [Select].
2. Select the desired Department from the provided listing – double click or highlight and click [Select]



3. Edit the Department’s preset data - Click [Apply] when completed.



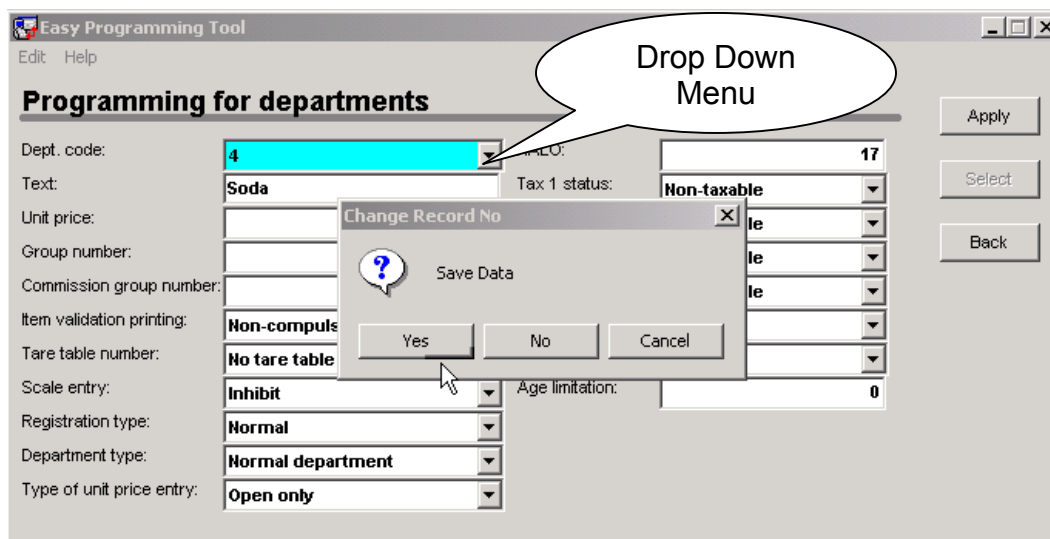
NOTE:
The program will return to the Departments List Menu when the [Apply] button is selected.



NOTE:

You can continue to program departments by using the Dept. code Drop-Down Menu.

4. Select a department from the Dept. code drop-down menu, you will be prompted to save the previous changes made – Select [Yes].



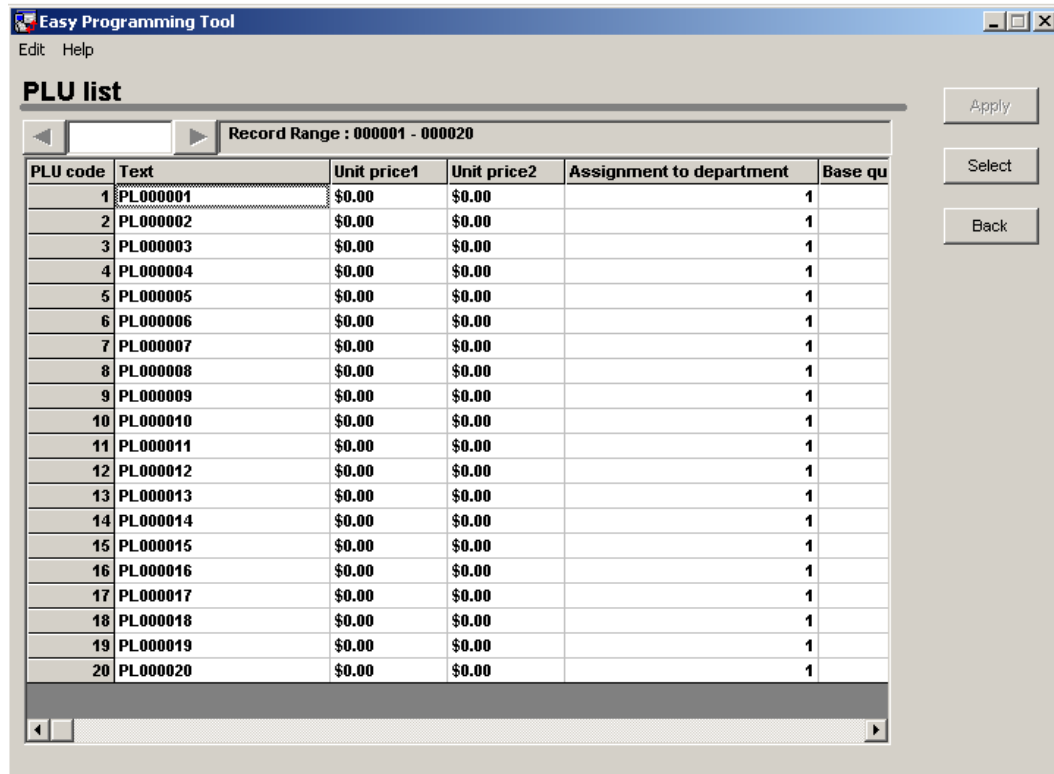
5. When all modifications are completed - Click [Apply]

NOTE:

The program will return to the Departments List Menu when the [Apply] button is selected.

Example-4: Modifying PLU Items

1. From the Main Menu, scroll down and highlight the “PLU” from the drop-down list – double click or highlight and click [Select].
2. Select the desired PLU from the provided listing – click [Select]



3. Edit the PLU's preset data - Click [Apply] when completed.

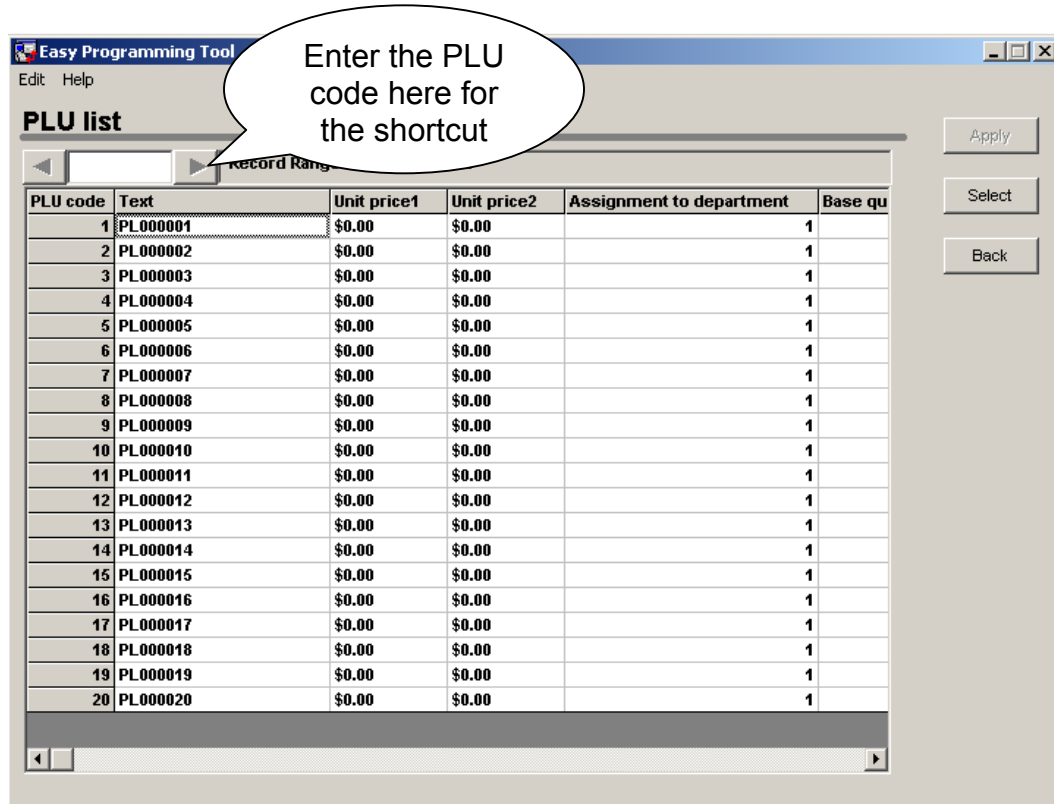
The screenshot shows a software window titled "Easy Programming Tool" with a menu bar containing "Edit" and "Help". The main area is titled "PLU programming" and contains the following fields and values:

PLU code:	1
Text:	PL000001
Unit price1:	\$0.00
Unit price2:	\$0.00
Assignment to department:	1
Base quantity:	0
Commission group number:	0
Tare Table number:	No tare table
Scale entry:	Inhibit
Type of unit price entry:	Preset price only
Sign(plus/minus):	Plus
Food stamp status:	Ineligible
Tax 1 status:	Non-taxable
Tax 2 status:	Non-taxable
Tax 3 status:	Non-taxable
Tax 4 status:	Non-taxable
Link PLU:	No
Set PLU:	No
Mix-and-match table:	0
Age limitation:	0

On the right side of the form, there are three buttons: "Apply", "Select", and "Back". The "Apply" button is highlighted with a mouse cursor.

NOTE:
The program will return to the PLU List Menu when the [Apply] button is selected.

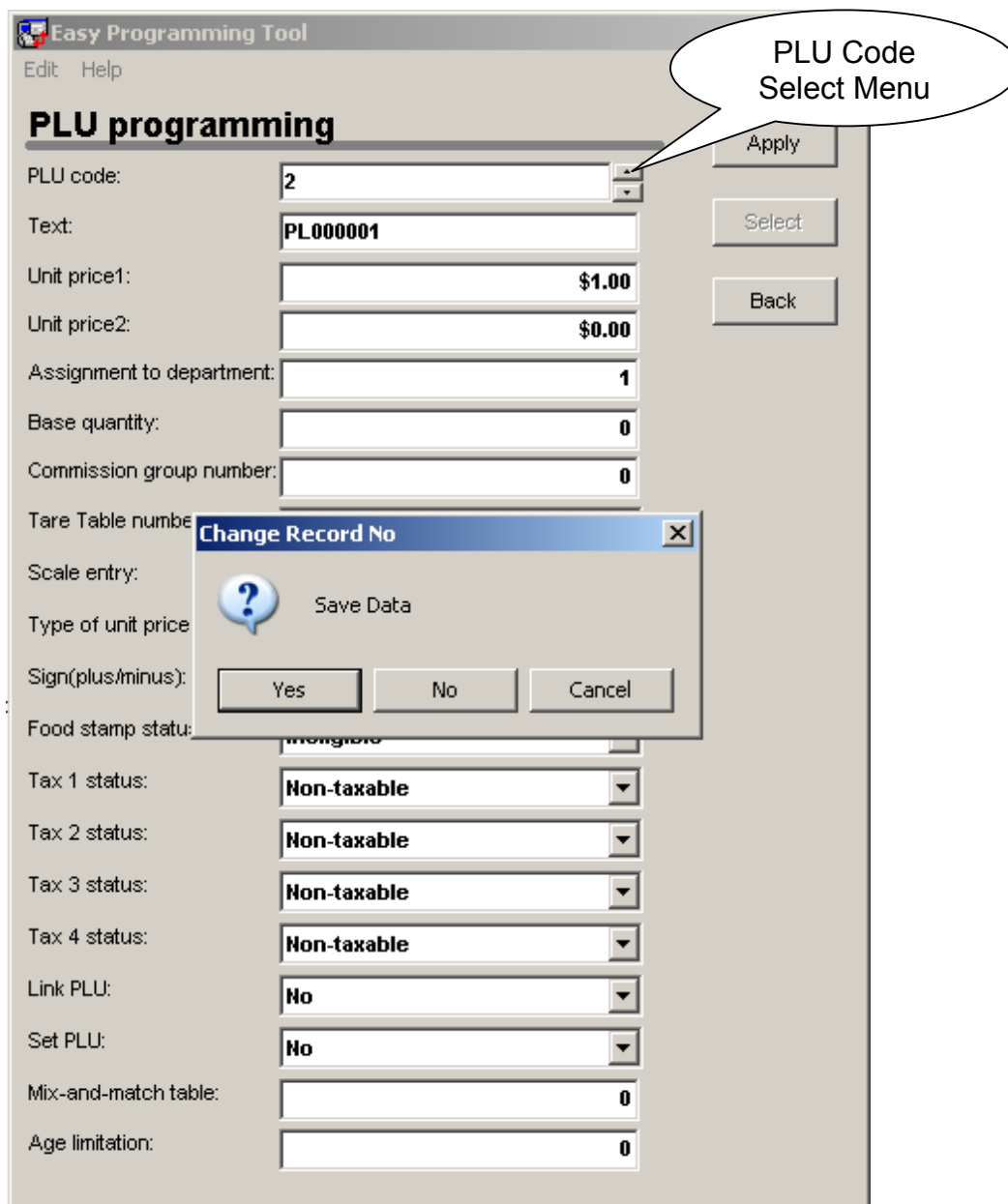
4. When the number of PLU items is many, you can enter the PLU code – Select the [RH arrow] to proceed.



NOTE:

You can continue to program PLU items by using the PLU code Select Menu.

- When a PLU is selected using the PLU code select menu, you will be prompted to save the previous changes made – Select [Yes].



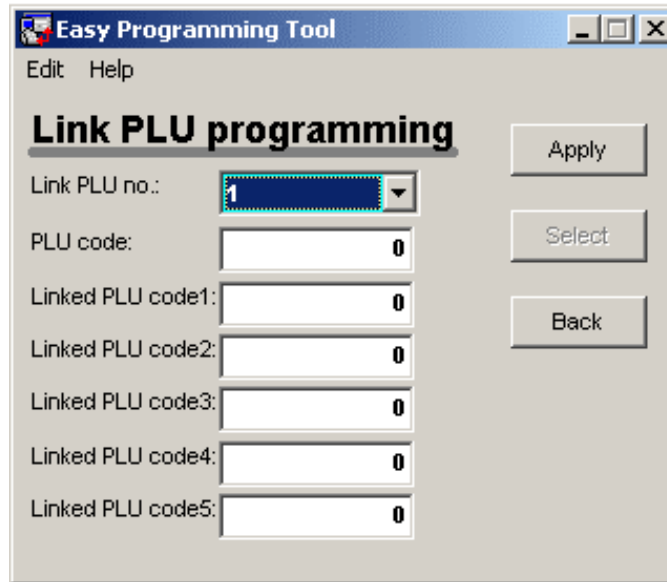
- When changes are completed – Click [Apply]

NOTE:

The program will return to the PLU List Menu when the [Apply] button is selected.

Example-5: Modifying Link PLU items

1. From the Main Menu, scroll and highlight “Link PLU” from the drop-down list – double click or highlight and click [Select]
2. Select the Link PLU No., PLU Code, and enter the Linked PLU Code (Max. 5 PLU items) – Click [Apply] when finished



NOTE:

The program will return to the Main Menu when the [Apply] button is selected.

Example-6: Modifying Set PLU Items

1. From the Main Menu, scroll down and highlight “Set PLU” from the drop-down list – double click or highlight and click [Select]
2. Select the Set PLU No., PLU Code, and enter the Tied PLU Codes (Max. 10 PLU items) – Click [Apply] when finished

The screenshot shows a software window titled "Easy Programming Tool" with a menu bar containing "Edit" and "Help". The main title is "Set PLU programming". On the right side, there are three buttons: "Apply", "Select", and "Back". The form contains the following fields:

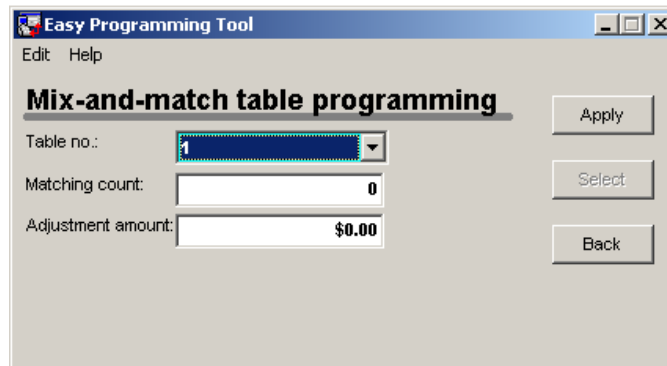
- Set PLU no.: A dropdown menu with the value "1" selected.
- PLU code: A text input field containing "0".
- Tied PLU code1: A text input field containing "0".
- Tied PLU code2: A text input field containing "0".
- Tied PLU code3: A text input field containing "0".
- Tied PLU code4: A text input field containing "0".
- Tied PLU code5: A text input field containing "0".
- Tied PLU code6: A text input field containing "0".
- Tied PLU code7: A text input field containing "0".
- Tied PLU code8: A text input field containing "0".
- Tied PLU code9: A text input field containing "0".
- Tied PLU code10: A text input field containing "0".

NOTE:

The program will return to the Main Menu when the [Apply] button is selected.

Example-7: Modifying Mix & Match Items

1. From the Main Menu, scroll down and highlight “Mix & Match” from the drop-down list – double click or highlight and click [Select]
2. Select the Table No., enter the Matching Count and Adjusted Dollar Amount – Click [Apply] when finished

**NOTE:**

The program will return to the Main Menu when the [Apply] button is selected.

Example-8: Modifying Cashiers

1. From the Main Menu, scroll down and highlight “Cashier” from the drop-down list – double click or highlight and click [Select]
2. Select the Cashier No., Edit the Cashier Code, Cashier Name (8 Char.) and Drawer No. (1 – 2) – Click [Apply] when finished

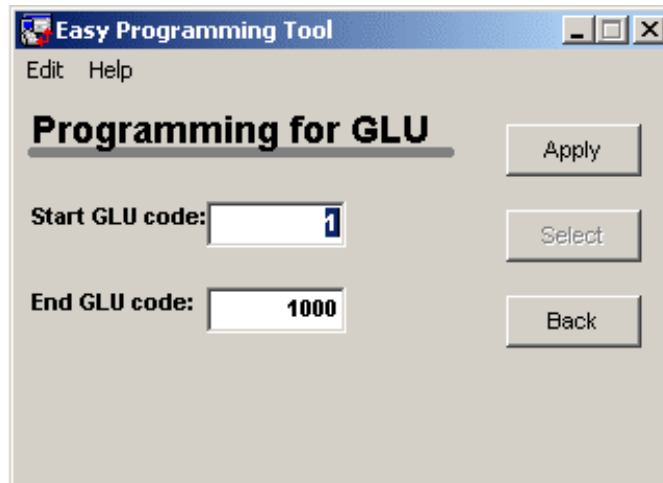
The screenshot shows a software window titled "Easy Programming Tool" with a menu bar containing "Edit" and "Help". The main content area is titled "Cashier programming" and features four input fields on the left and three buttons on the right. The input fields are: "Cashier no.:" with a dropdown menu showing "1"; "Cashier code:" with a text box containing "1"; "Cashier name:" with an empty text box; and "Drawer no.:" with a dropdown menu showing "Set the drawer no.1". The buttons are "Apply", "Select", and "Back".

NOTE:

The program will return to the Main Menu when the [Apply] button is selected.

Example-9: Modifying GLU Code Ranges

1. From the Main Menu, scroll down and highlight “GLU” from the drop-down list – double click or highlight and click [Select]
2. Enter the Start GLU Code and End GLU Code – Click [Apply] when finished

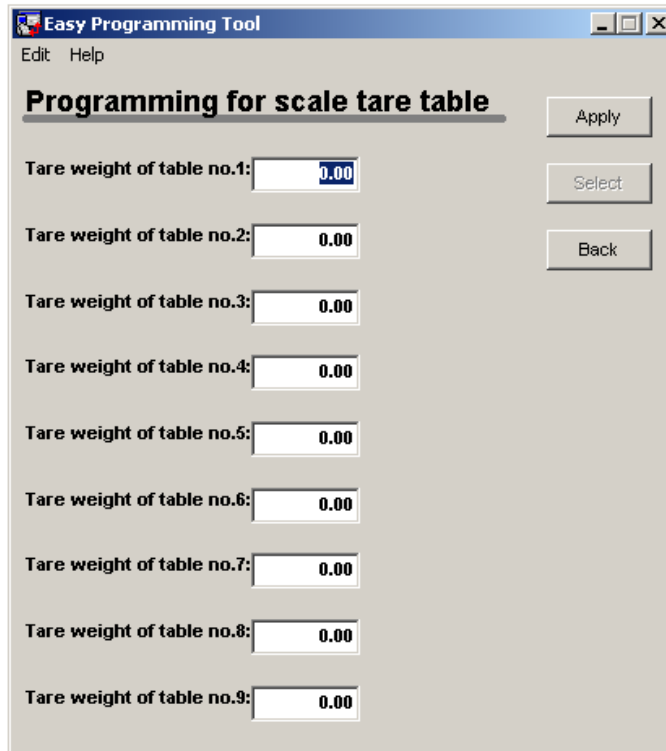


NOTE:

The program will return to the Main Menu when the [Apply] button is selected.

Example-10: Modifying Scale Tare Table Settings

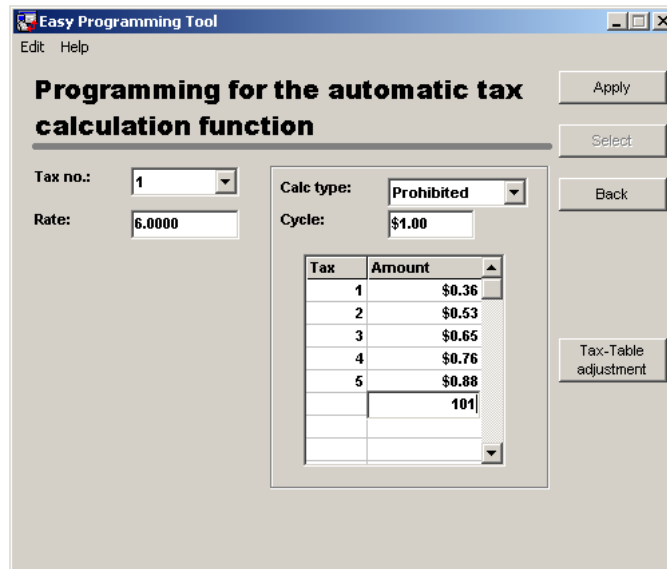
1. From the Main Menu, scroll down and highlight “Scale tare table” from the drop-down list – double click or highlight and click [Select]
2. Enter the Tare weight for each Tare table – Click [Apply] when finished



NOTE:
The program will return to the Main Menu when the [Apply] button is selected.

Example-11: Modifying Tax Settings

1. From the Main Menu, scroll down and highlight “TAX” from the drop-down list – double click or highlight and click [Select]
2. Enter the Tax No., Tax Rate, Calc type, Cycle Amount and input the Tax Table – Click [Apply] when finished

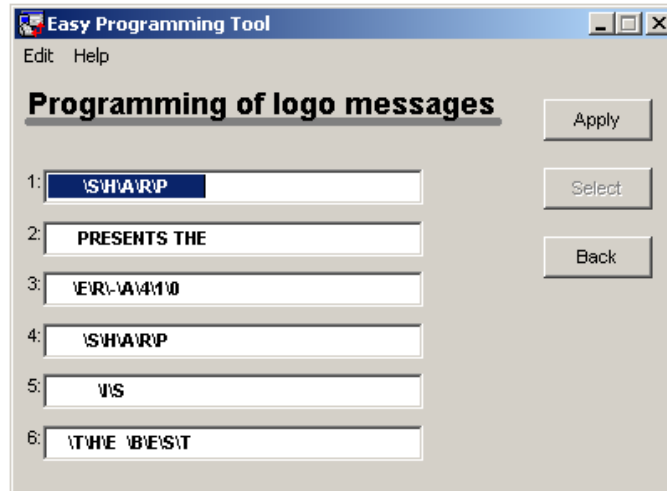


NOTE:

The program will return to the Main Menu when the [Apply] button is selected.

Example-12: Modifying Logo Messages (Text Type)

1. From the Main Menu, scroll down and highlight “Logo Messages” from the drop-down list – double click or highlight and click [Select]
2. Edit each Line of Logo Text based on the SRV Job#912-D Setting – Click [Apply] when finished

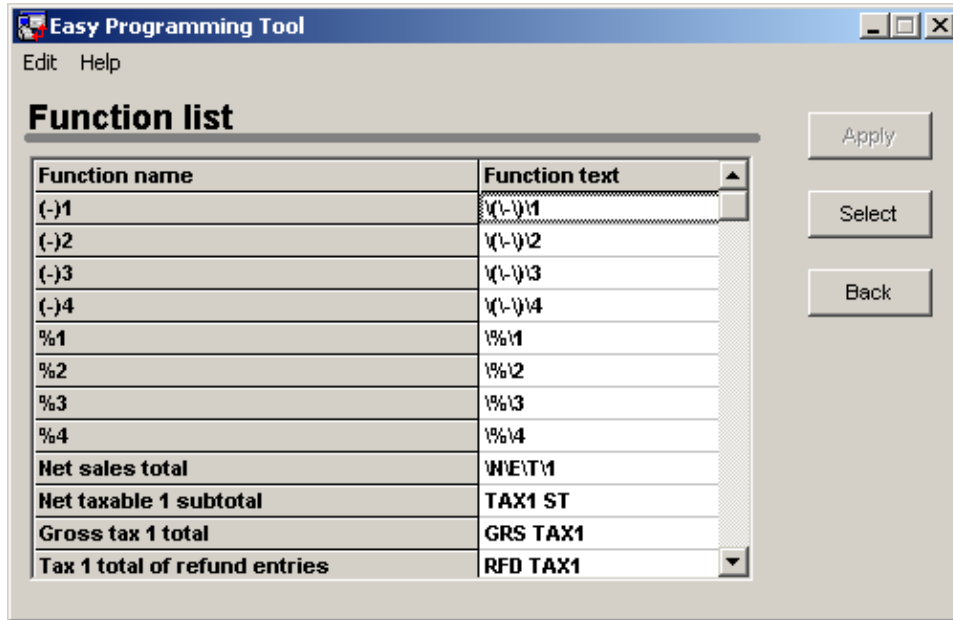


NOTE:

The program will return to the Main Menu when the [Apply] button is selected.

Example-13: Modifying Function Settings

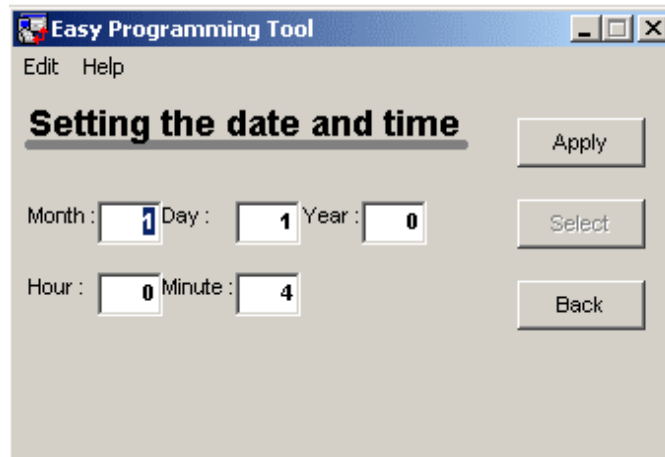
1. From the Main Menu, scroll down and highlight “Function” from the drop-down list – double click or highlight and click [Select]
2. Edit each Function’s Text Setting (Max. 8 Char.) – Click [Apply] when finished



NOTE:
The program will return to the Main Menu when the [Apply] button is selected.

Example-14: Modifying Date & Time Settings

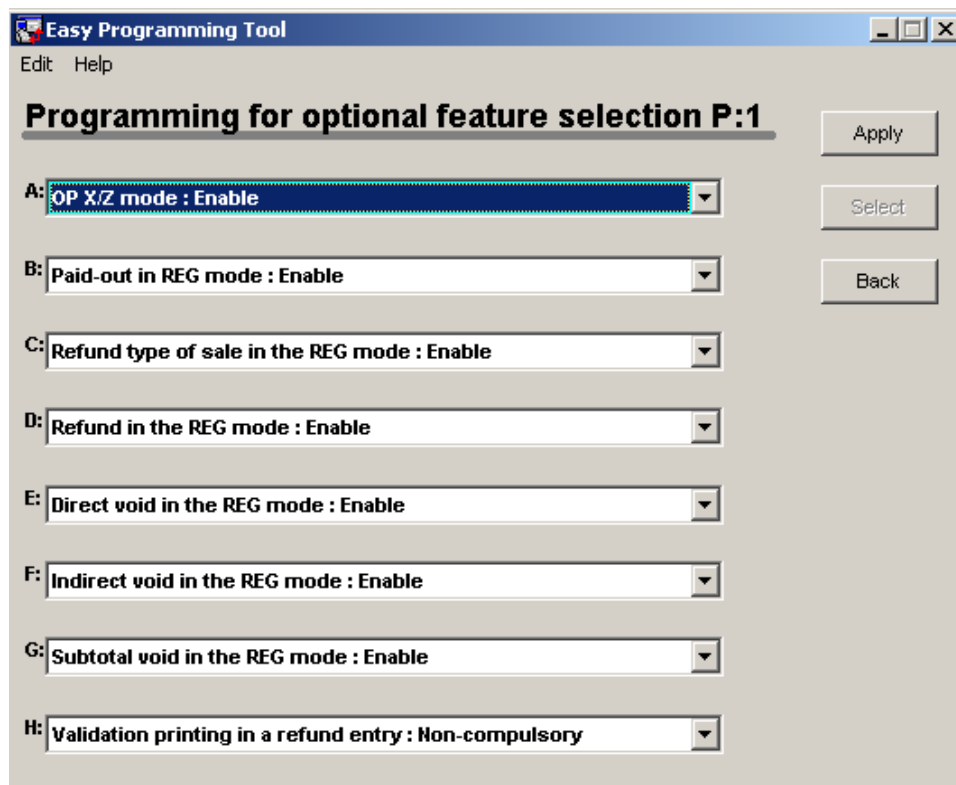
1. From the Main Menu, scroll down and highlight “Date and Time” from the drop-down list – double click or highlight and click [Select]
2. Edit the Calendar Date and Time – Click [Apply] when finished

**NOTE:**

The program will return to the Main Menu when the [Apply] button is selected.

Example-15: Modifying Optional Feature Settings

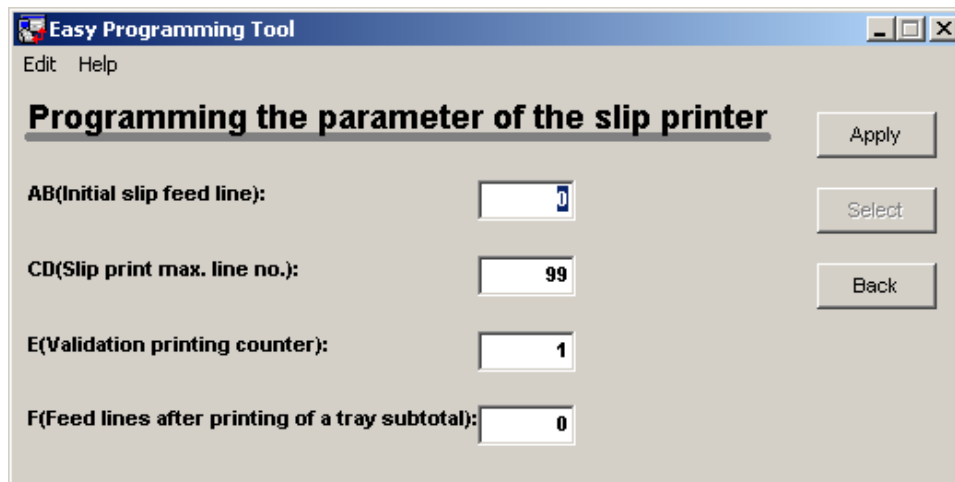
1. From the Main Menu, scroll down and highlight “Optional P: 1 ~ Optional P: 13” from the drop-down list – double click or highlight and click [Select]
2. Edit each bit using the Drop-Down Menu within the optional feature selection – Click [Apply] when finished

**NOTE:**

The program will return to the Main Menu when the [Apply] button is selected.

Example-16: Modifying the Slip Printer Parameters

1. From the Main Menu, scroll down and highlight “Optional parameter of the slip printer” from the drop-down list – double click or highlight and click [Select]
2. Edit AB: Initial Line Feed each print, CD: Max. Line Print per side, E: No. of enforced Validation prints when compulsory and F: Feed lines after the [Tray SBTL] key is depressed – Click [Apply] when finished

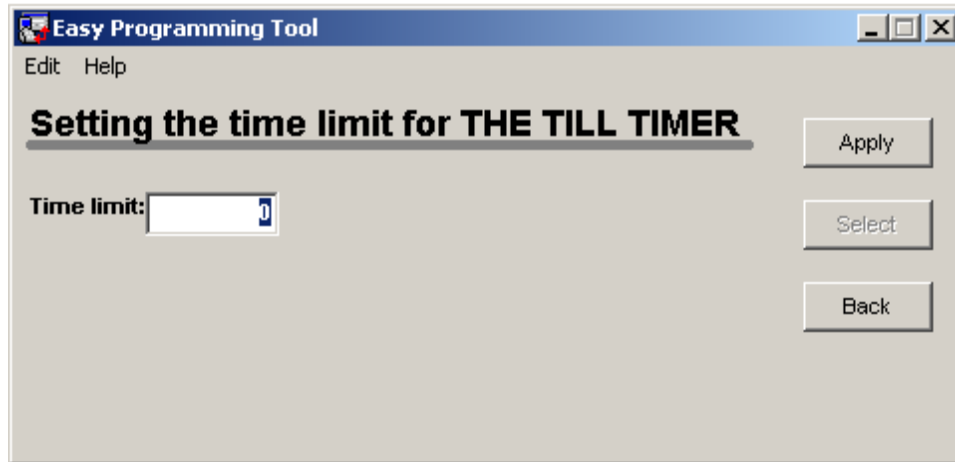


NOTE:

The program will return to the Main Menu when the [Apply] button is selected.

Example-17: Modifying the Till Timer Settings

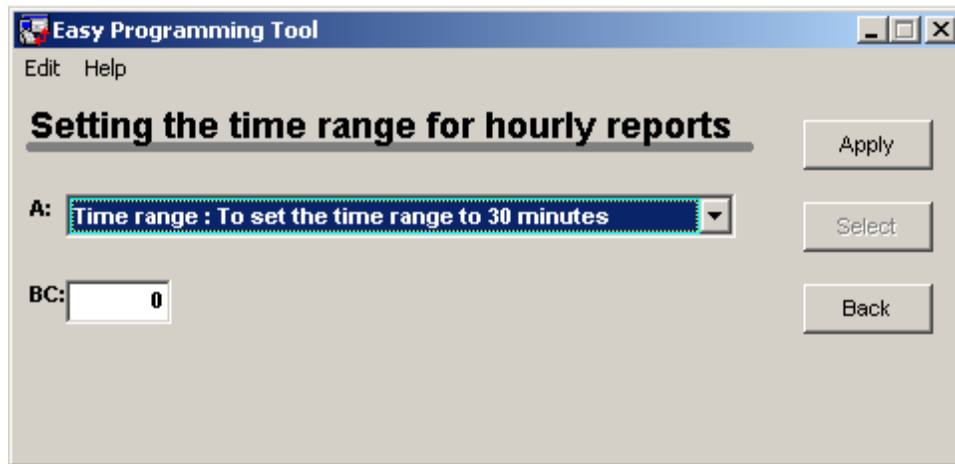
1. From the Main Menu, scroll down and highlight “Optional time limit for THE TILL TIMER” from the drop-down list – double click or highlight and click [Select]
2. Edit the time limit (0 – 255) in seconds, which is used to increment the Drawer Count Qty totalizer – Click [Apply] when finished

**NOTE:**

The program will return to the Main Menu when the [Apply] button is selected.

Example-18: Modifying the Hourly Range Optional Settings

1. From the Main Menu, scroll down and highlight “Optional range for hourly report” from the drop-down list – double click or highlight and click [Select]
2. Edit A: Time Range format and BC: Start Time used for the Hourly Report (00 – 24)
– Click [Apply] when finished

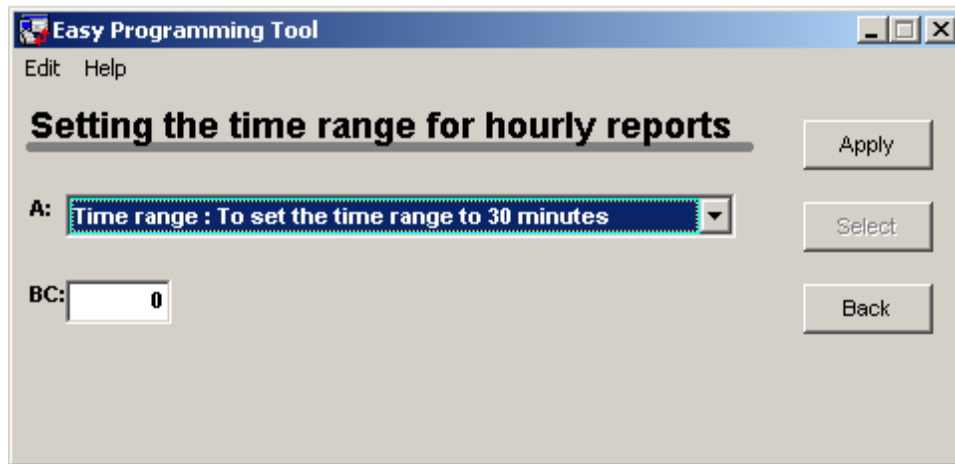


NOTE:

The program will return to the Main Menu when the [Apply] button is selected.

Example-19: Modifying the Power Saving Mode Settings

1. From the Main Menu, scroll down and highlight “Power saving mode” from the drop-down list – double click or highlight and click [Select]
2. Edit A: Time Range format and BC: Start Time used for the Hourly Report (00 – 24)
– Click [Apply] when finished

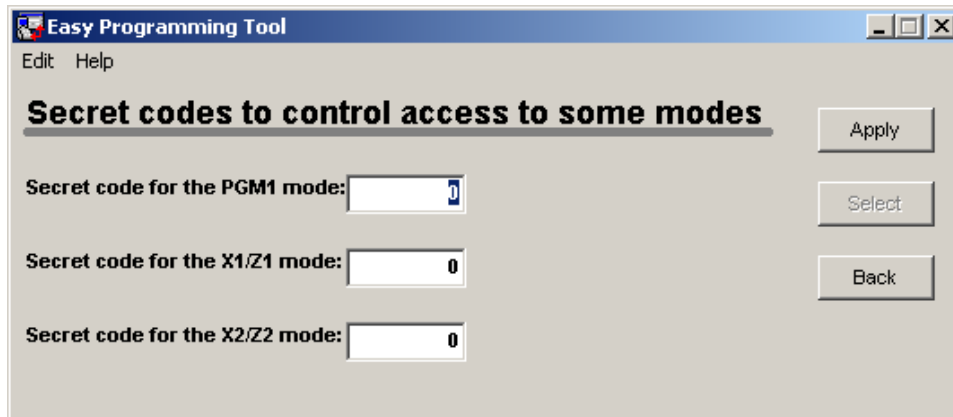


NOTE:

The program will return to the Main Menu when the [Apply] button is selected.

Example-20: Modifying the Optional Secret Code Settings

1. From the Main Menu, scroll down and highlight “Optional Secret Code” from the drop-down list – double click or highlight and click [Select]
2. Edit the Secret Codes (0 – 9999) for each selection – Click [Apply] when finished



NOTE:

The program will return to the Main Menu when the [Apply] button is selected.

Example-21: Modifying the GT (Grand Total) Settings

1. From the Main Menu, scroll down and highlight “GT” from the drop-down list – double click or highlight and click [Select]
2. Edit the desired GTs, Training GT, Balance GT as necessary – Click [Apply] when finished

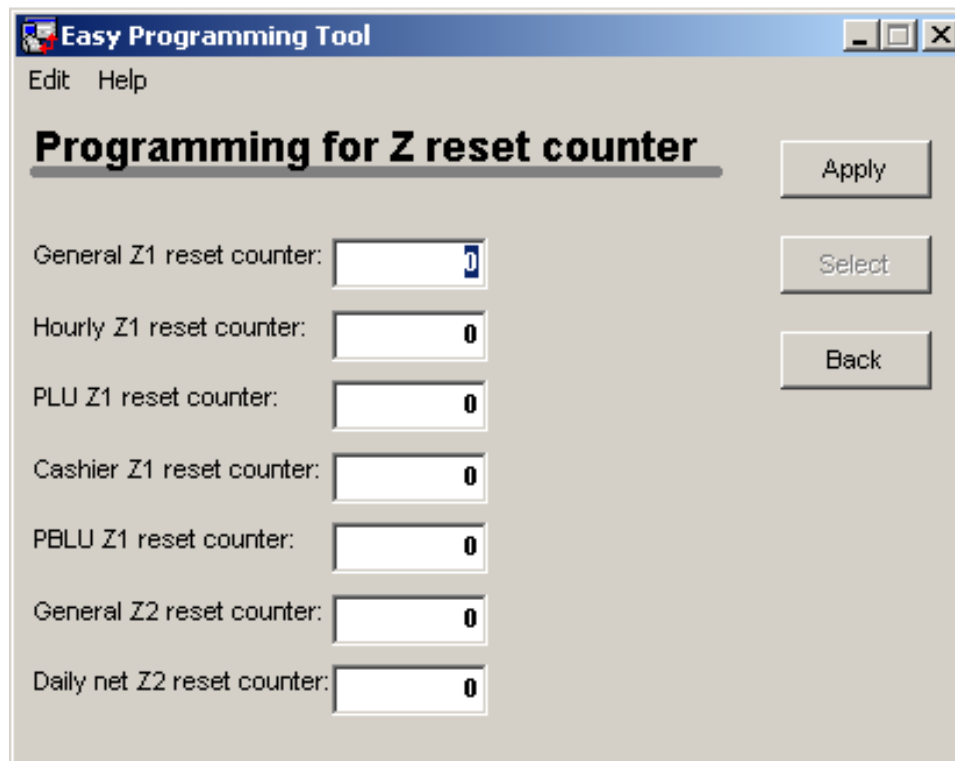
Label	Value
GT1(NET):	\$0.00
GT2(of plus registration):	\$0.00
GT3(of minus registration):	\$0.00
Training GT(of training mode registration):	\$0.00
Balance GT(old balance + today's balance):	\$0.00

NOTE:

The program will return to the Main Menu when the [Apply] button is selected.

Example-22: Modifying the Z Counter Settings

1. From the Main Menu, scroll down and highlight “Z counter” from the drop-down list – double click or highlight and click [Select]
2. Edit the desired Z counter (1 – 9999) as necessary – Click [Apply] when finished

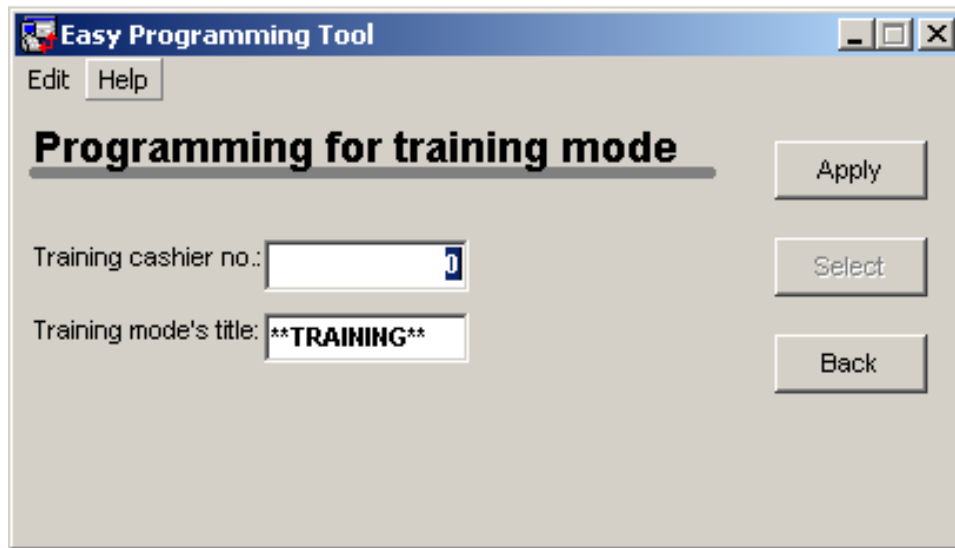


NOTE:

The program will return to the Main Menu when the [Apply] button is selected.

Example-23: Modifying the Training Cashier Settings

1. From the Main Menu, scroll down and highlight “Training Mode” from the drop-down list – double click or highlight and click [Select]
2. Select the Training Cashier Code and Edit the desired Receipt Title Text as required – Click [Apply] when finished

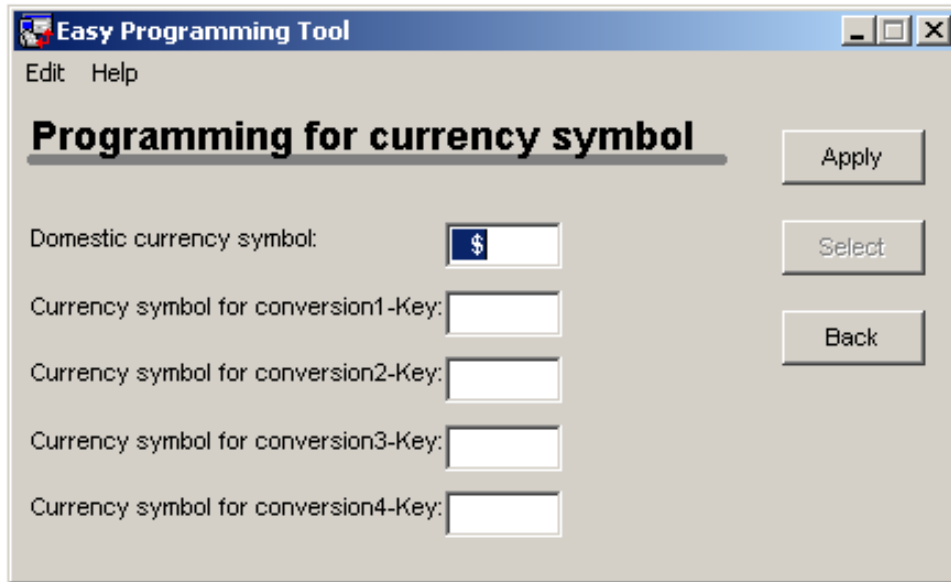


NOTE:

The program will return to the Main Menu when the [Apply] button is selected.

Example-24: Modifying the Domestic Currency Symbol Settings

1. From the Main Menu, scroll down and highlight “Domestic Currency” from the drop-down list – double click or highlight and click [Select]
2. Edit the Domestic Currency and Currency Conversion (1-4) Symbol as required – Click [Apply] when finished



NOTE:
The program will return to the Main Menu when the [Apply] button is selected.

Example-25: Modifying the Error Messages Settings

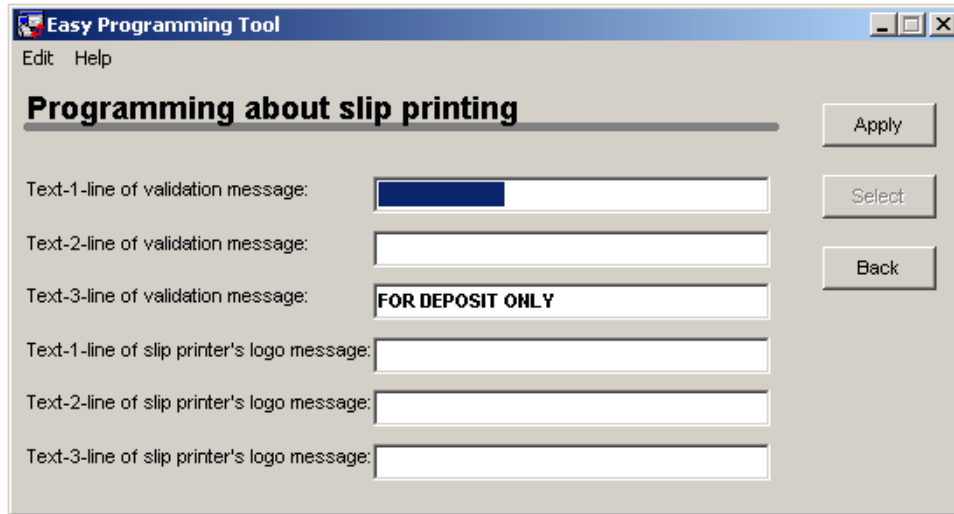
1. From the Main Menu, scroll down and highlight “Error Message” from the drop-down list – double click or highlight and click [Select]
2. Select the Error Text No. and edit the Error Message Text – Click [Apply] when finished

**NOTE:**

The program will return to the Main Menu when the [Apply] button is selected.

Example-26: Modifying the Slip Printer Messages

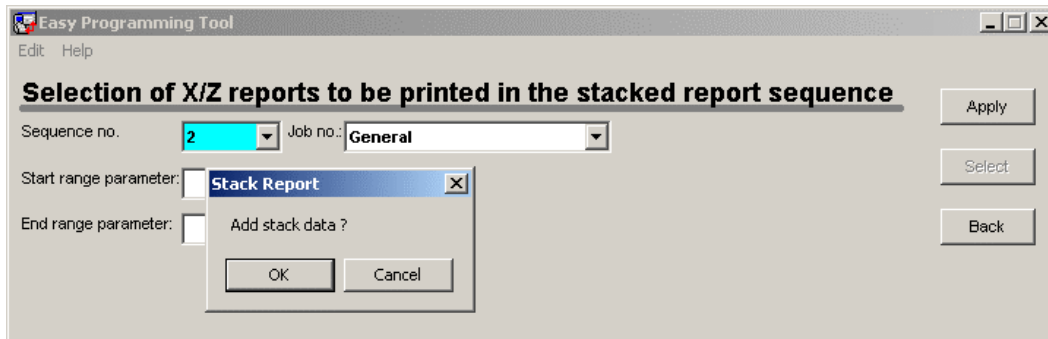
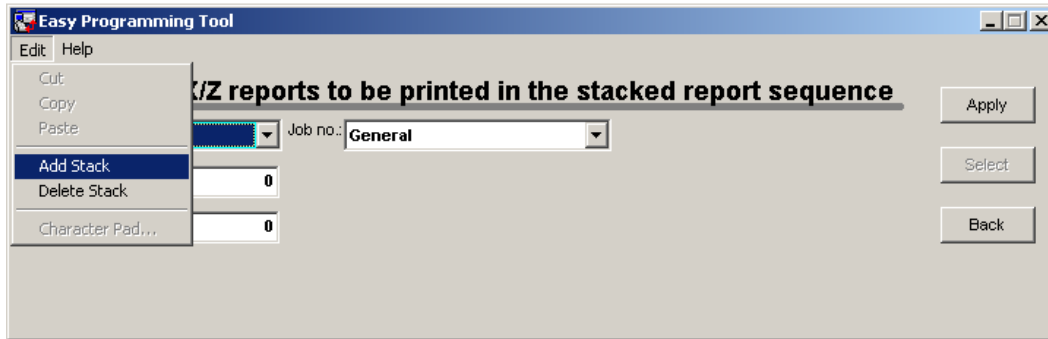
1. From the Main Menu, scroll down and highlight “Texts about slip printer” from the drop-down list – double click or highlight and click [Select]
2. Select the Text Line used for Validation and Text Line used for the Slip printer Logo and Edit the Text as required – Click [Apply] when finished



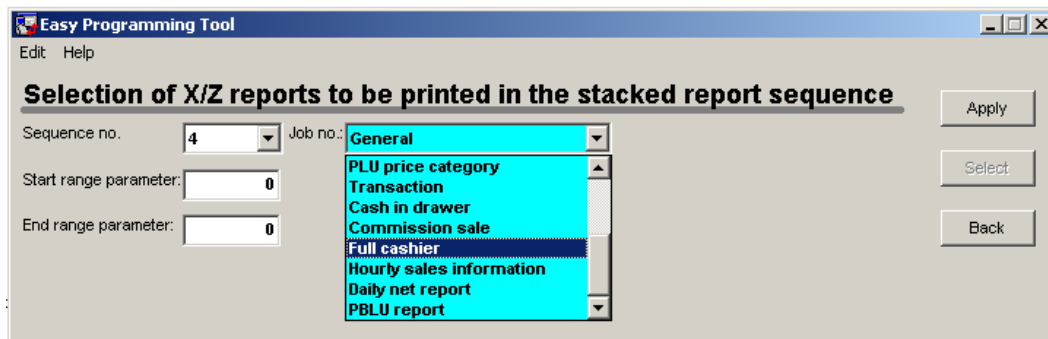
NOTE:
The program will return to the Main Menu when the [Apply] button is selected.

Example-27: Modifying the Stacked Report Settings

1. From the Main Menu, scroll down and highlight “Stack Report” from the drop-down list – double click or highlight and click [Select]
2. From the Edit Menu, select “Add Stack” – when prompted to Add stack data – Click [OK] to proceed.



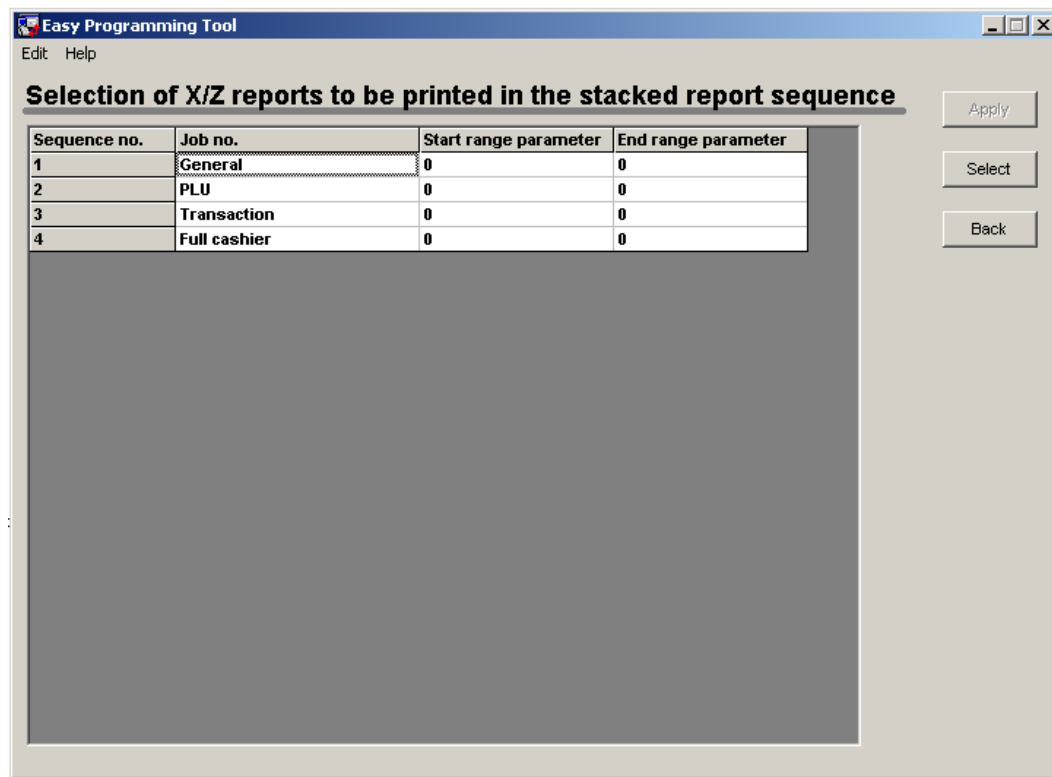
3. The PC Link utility will assign a “Sequence No.” automatically, then edit the report type from the Job No. drop-down list and enter a start/end range parameter (when applicable).



4. Repeat Steps-2 & 3 for each stack report to be added – Click [Apply] when finished.

NOTE:

The program will return to the Stack Report Menu when the [Apply] button is selected.



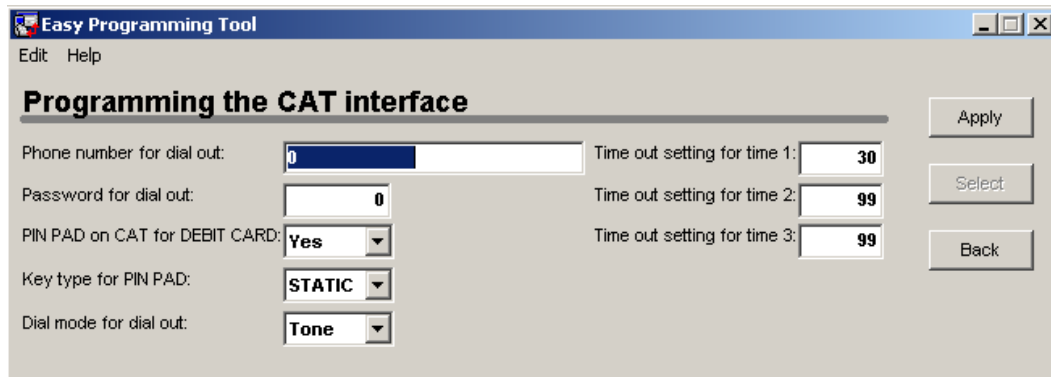
5. When all settings are completed – Click [Back] when finished.

NOTE:

The program will return to the Main Menu when the [Back] button is selected.

Example-28: Modifying the CAT Settings

1. From the Main Menu, scroll down and highlight “CAT” from the drop-down list – double click or highlight and click [Select]
2. To complete the settings for the CAT interface, please refer to the ER-A410 and ER-A420 Dealer Knowledge Book for the Data Cap Interface – Click [Back] to return to the Main Menu

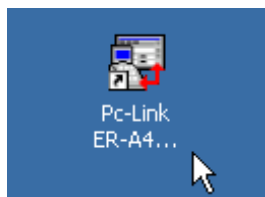


Section-8: Modify Existing Program Data from the ECR

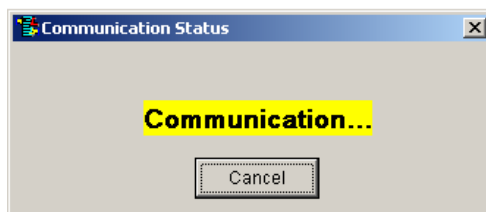
Prior to launching the PC Link programming tool, insure that the ECR and the PC are connected using the cable outlined previously.

Launch the PC Link Programming Tool

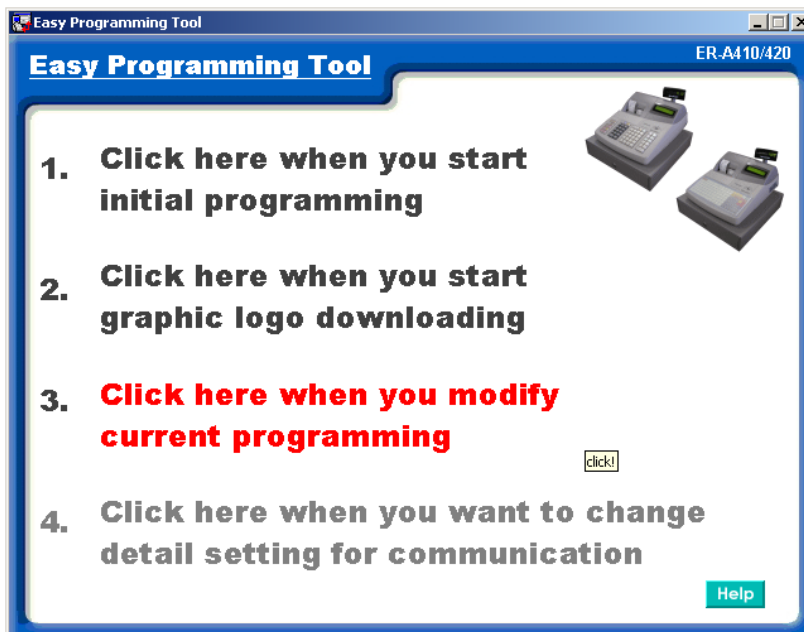
1. Launch the programming tool - double-click the PC Link Icon.



2. The PC Link application will search for the connection of the ECR through the communications port – if everything is set correctly, the application will start.



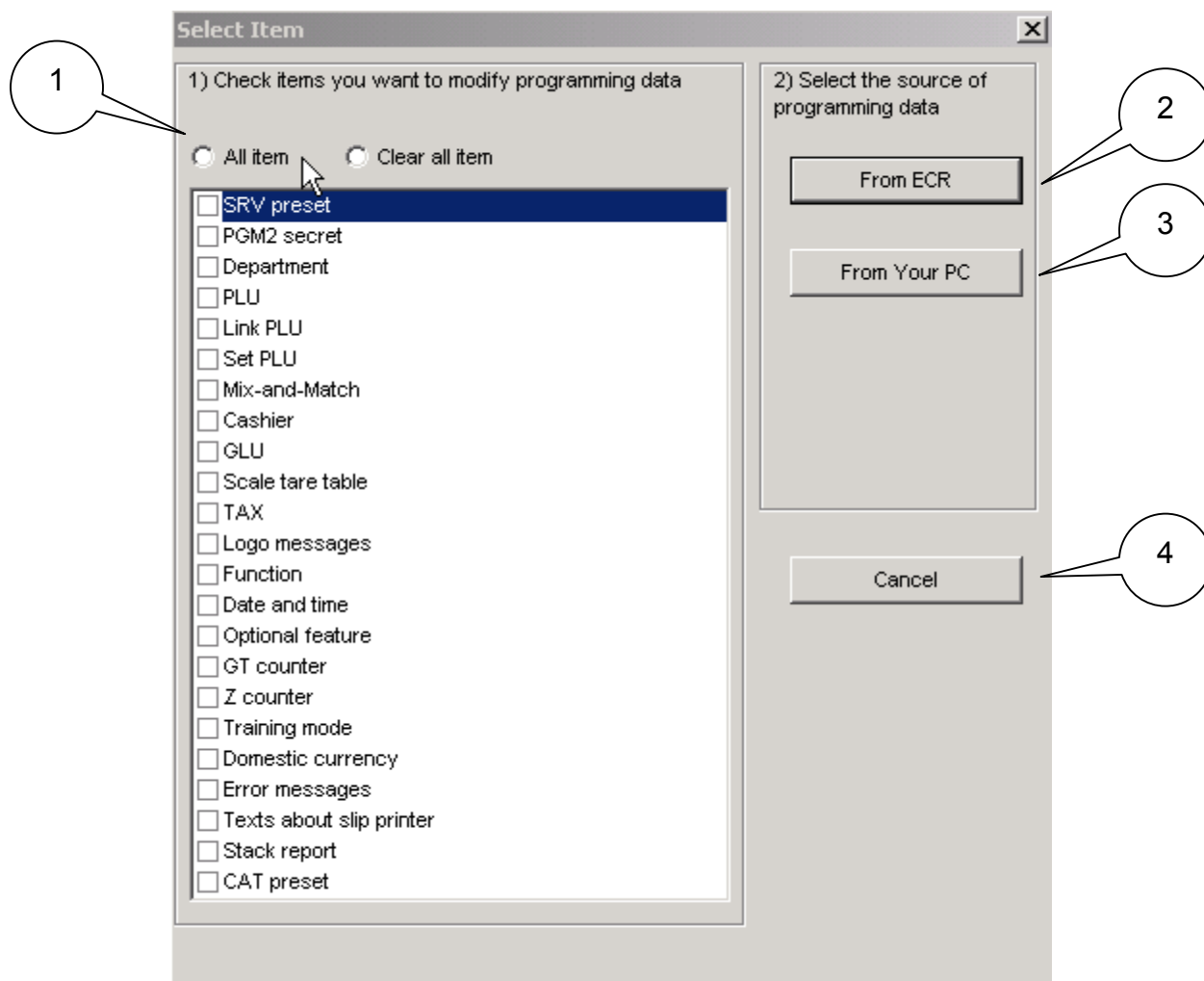
3. Select Menu Option #3 – and the Current Programming Main menu will appear..



Modifying Current Programming Main Menu

Overview of selections provided by the Modify Current Programming Main menu:

1. Item Select Options: select by “individual”, “All” or “clear All” previous selections
2. [From ECR] button: initiates communications to collect data from the ECR based on the selected programming data.
3. [From Your PC] button: initiates a browser search for the folder
4. [Cancel] button: returns the application to the previous display

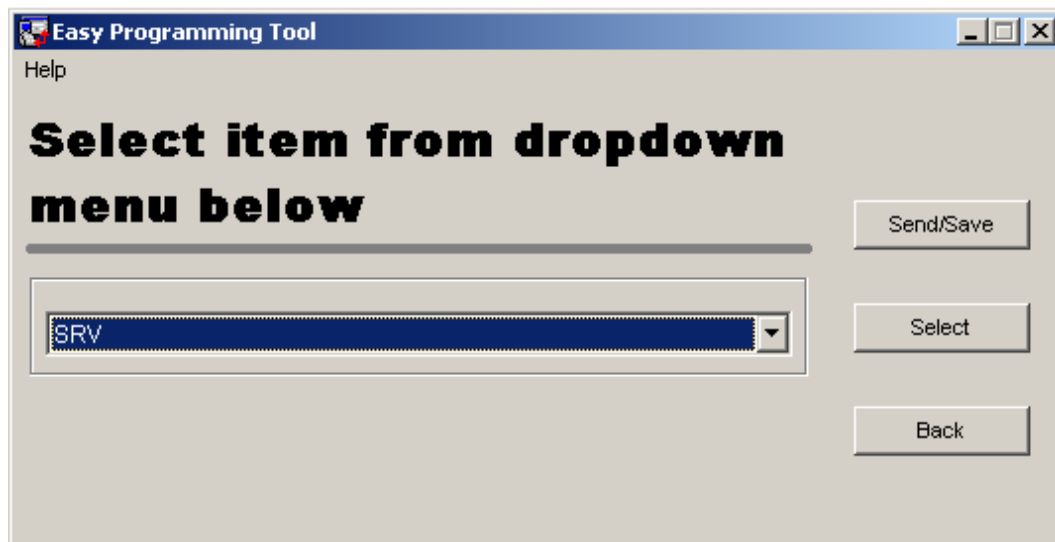


When Selecting the Source Data from the ECR

1. When the [ECR] button is selected – Communications is initiated to the ECR
2. The data uploaded from the ECR is based on the data selected



3. The PC Link Main Menu appears – all settings are the same as outlined in the Initial Programming Sections

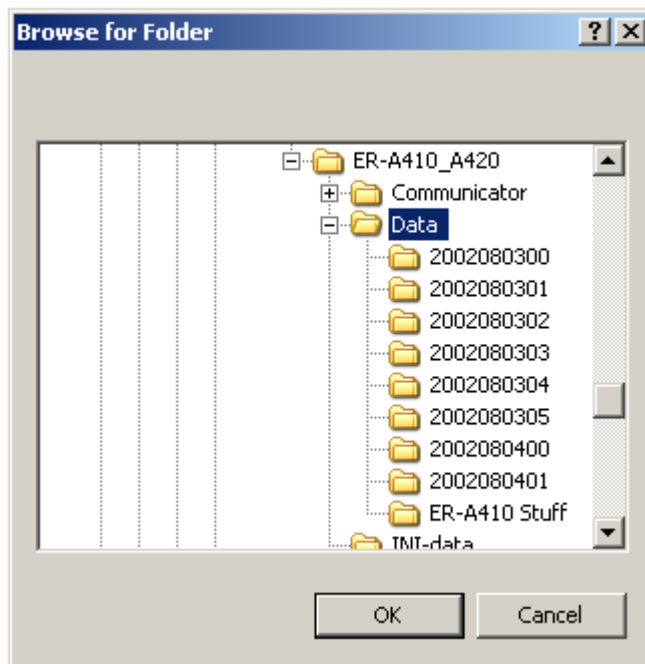


NOTE:

Only those data selected previously will be displayed in the Main Menu drop-down list.

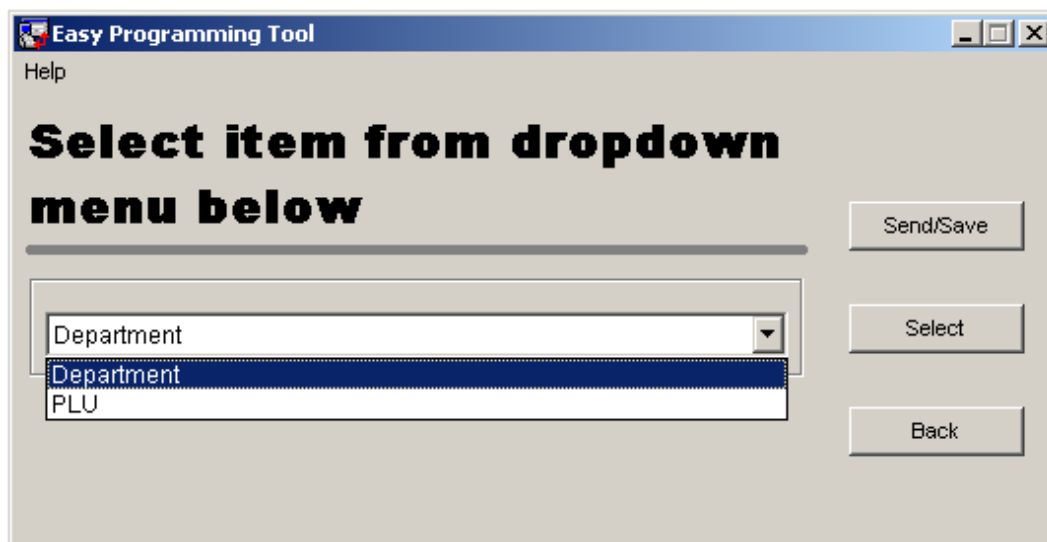
When Selecting the Source Data from the PC

1. When the [PC] button is selected – a browser is launched to locate the data folder.



2. Highlight the desired folder – Click [OK]
3. The PC Link Main Menu appears – only those settings selected are loaded and available for modifications.

Example: Only Departments and PLU were selected from the program data list

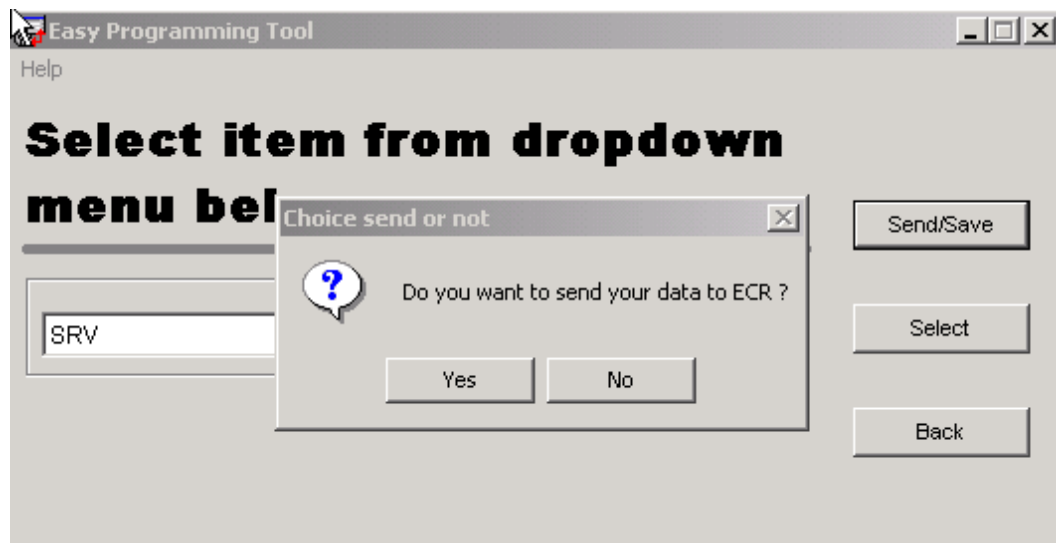


4. Highlight the desired program data to be modified – Click [Select]

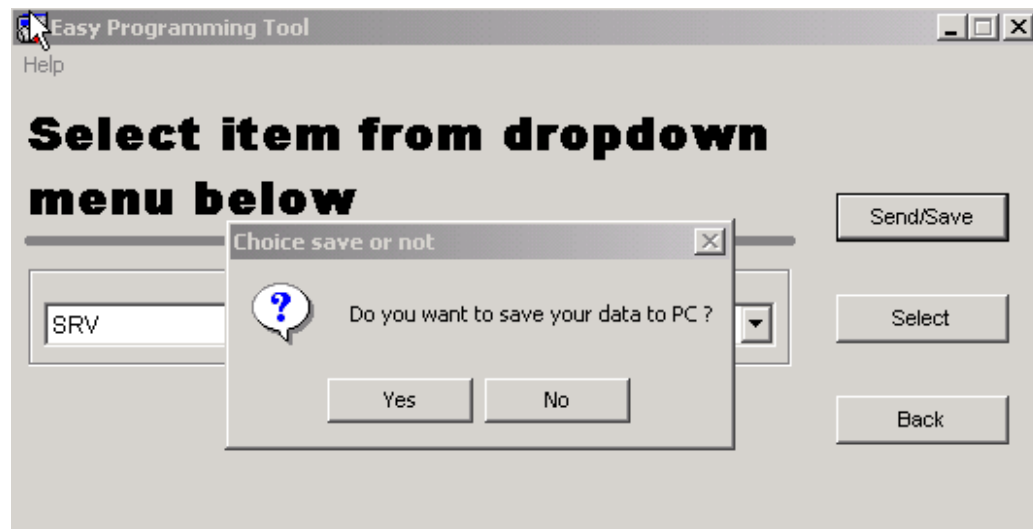
Sending/Saving Data

When the modifications to the current program data are completed you may send the data directly to the ECR or save them within a folder on the PC.

1. Selecting the [Send/Save] button – you will be prompted to send the changes to the ECR.



2. To send data back to the ECR – click [Yes] or go to the next step to save on the PC.
3. To save the data to the PC – click [No] and the prompt to save the data to the PC will appear.

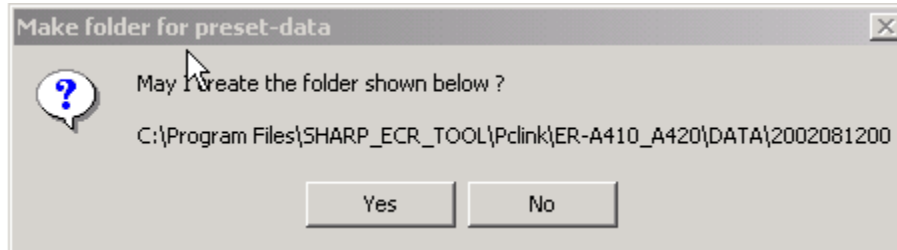


4. To save the data to the PC - click [Yes]

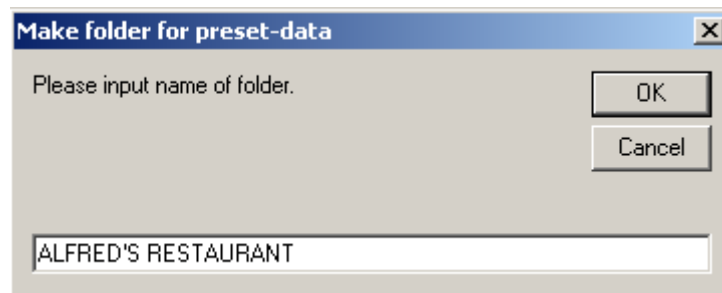
NOTE:

The PC Link utility will prompt to save the data to a designated date-stamped folder

5. To save the data to the designated dated folder – click [Yes] or click [No] to name the folder



6. Name the folder – click [ok] when finished



Section-9: Downloading a Graphics Logo

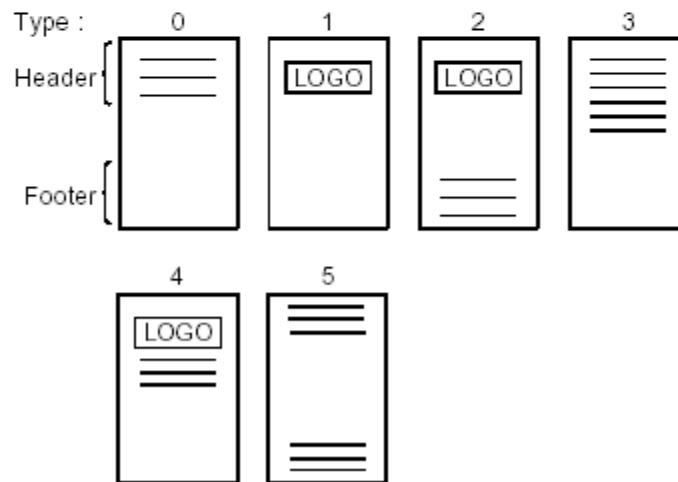
Prior to downloading a Graphics Logo to the ER-A410 or ER-A420, you must insure that the ECR Logo settings match.

Step-1: Preparing the ECR for Graphic Logo usage

1. SRV-Mode Programming options – SRV Job#912-D

#912-D: 1. LOGO Message control.

1. LOGO Message control	912-D	
3-line header instead of a LOGO	0	★ (ER-A420)
Graphical LOGO only	1	★ (ER-A410)
Graphical LOGO and 3-line footer	2	
6-line header	3	
Graphical LOGO and 3-line header	4	
3-line header and 3-line footer	5	

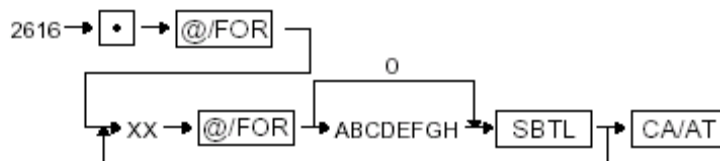


2. Make one of the following settings:
 - a. Select 1 for Graphic LOGO Only
 - b. Select 2 for Graphic LOGO and 3 Line Footer
 - c. Select 4 for Graphic LOGO and 3 Line Header

3. PGM2 Mode Programming Options

[JOB#2616]

OPTIONAL FEATURES



XX: 9

MRS = 00000000

A, B: Not used (Fixed at "00")

C:	Birthday print on printer	C
	Yes	0
	No	1

D, E, F, G: Not used (Fixed at "0000")

H:	Footer graphic LOGO printing at the end of receipt	H
	No	0
	Yes	1

XX: 10

MRS = 00000000

4. Make one of the following settings:

- a. Bit-H = 0 for No Logo on the Receipt footer
- b. Bit-H = 1 for a Logo to be printed on the Receipt footer

Step-2: Downloading a Graphic Logo usage

Prior to launching the PC Link programming tool for downloading a graphic logo, insure that the proper Logo Image is available on the PC as outlined below.

Logo Image Attributes must conform to the below specifications:

- File – BMP Format
- Size – 288 dots (w) x 130 dots (h)
- Color – Black & White Only

Black Rate:

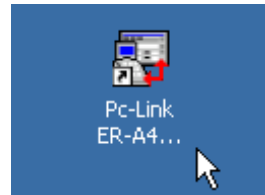
Total Black Rate: 35% or Lower

Local Black Rate: The black rate of a horizontal dot line is 55% or less.

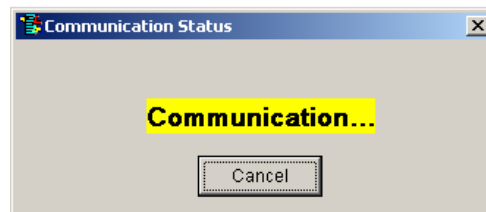
Launch the PC Link Programming Tool

Prior to launching the PC Link programming tool, insure that the ECR and the PC are connected using the cable outlined previously.

1. Launch the programming tool - double-click the PC Link Icon.



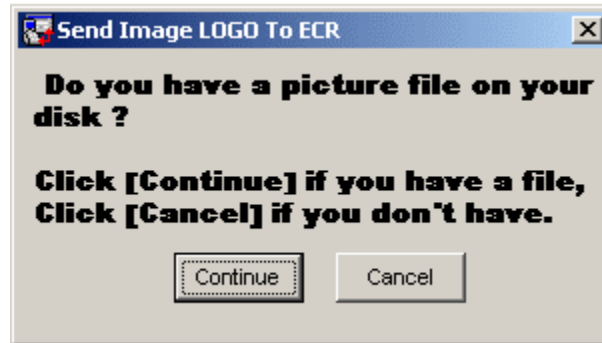
2. The PC Link application will search for the connection of the ECR through the communications port – if everything is set correctly, the application will start.



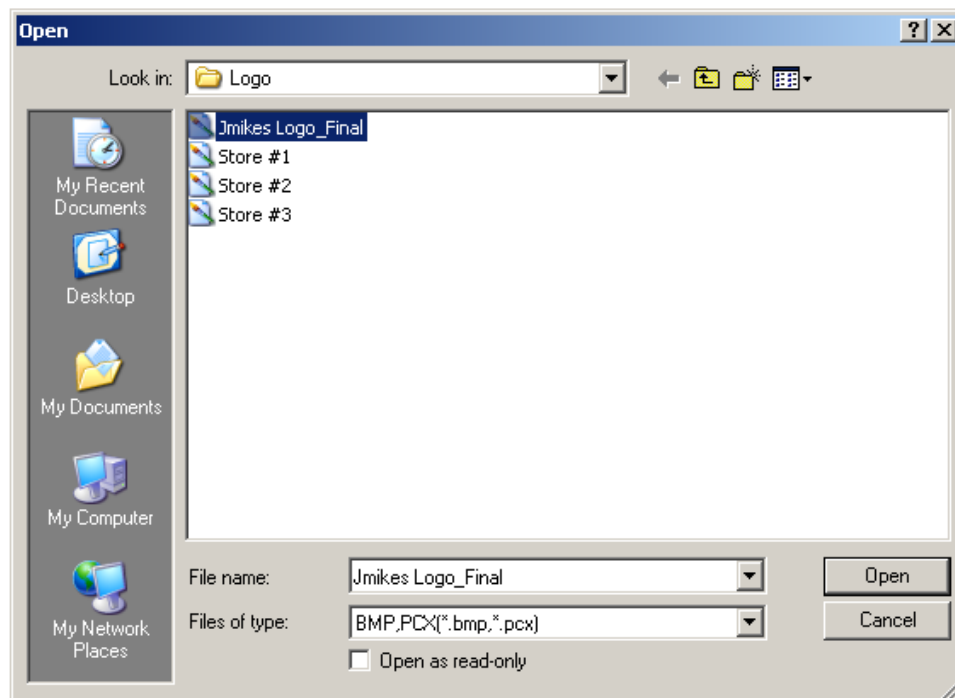
3. Select Menu Option #2 – and the Graphic Logo utility will initialize



4. Assuming that you have a bitmap image ready for download – Click [Continue]



5. Using the browser, locate the desired logo graphic to be downloaded – double click or highlight and click [Open]

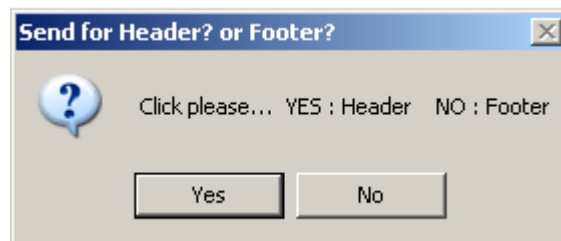


6. If the selected image conforms to the 288x130 attributes then the image will be displayed – if not an error will result

Example of an accepted logo image



7. If the Logo Image is acceptable – Click [Send]
8. Send the logo to a destination in the ECR – Click [Yes] for the header and [No] for the footer.



9. The PC Link will initiate communications to download the image.



Note:

The PC will return to the EASY PROGRAMMING TOOL Main menu when finish.

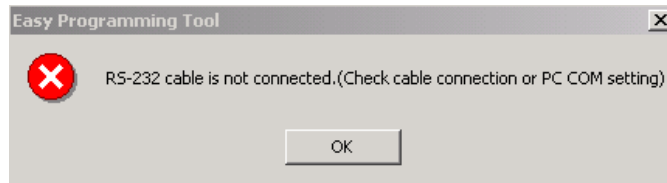


Section-10: Trouble Shooting & Error Messages

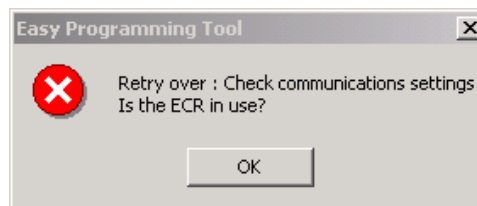
Occasionally there will be errors experienced when using the PC Link application utility.

Standard Errors

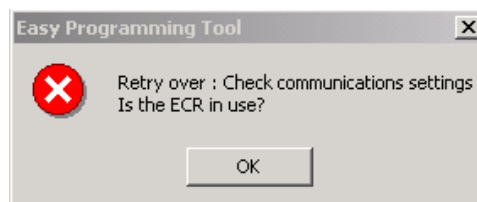
1. When the cable is improperly connected



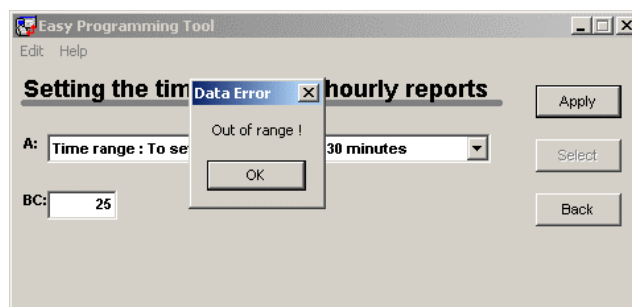
2. When the cable not connected.



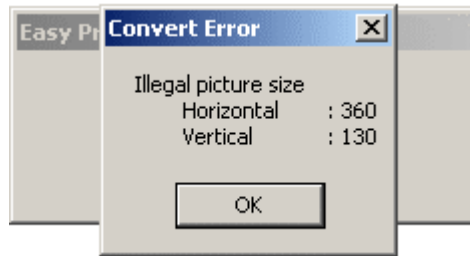
3. When PGM2 Mode 2690 RS232 Device Programming is not set up correctly or the baud rate setting does not match.



4. When entry is outside of a designated range – Example is entering “25” in a field that has the range of 00 – 24.

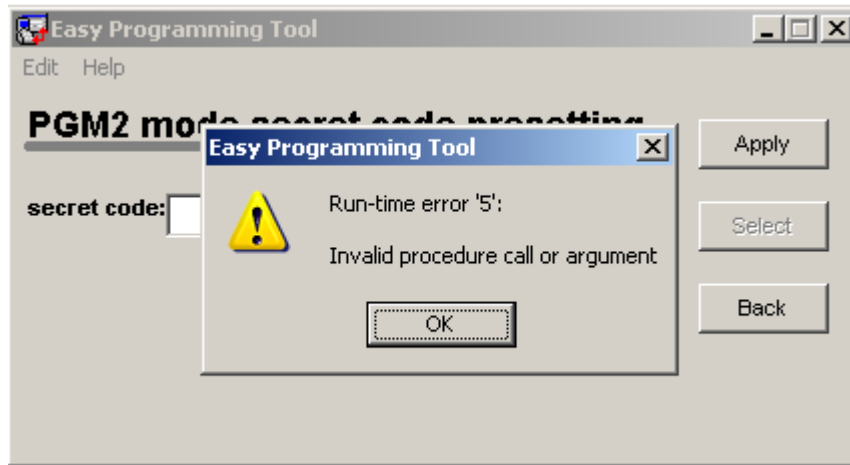


5. Example of an error when using a logo image that doesn't conform



Non-Standard Errors

1. When an inappropriate Function key is selected during entry.



Note:
To clear the error – Click [OK], the application will close and in order to proceed you will have to re-launch the PC Link utility from the desktop icon.

SHARP®

COPYRIGHT© 2002 BY SHARP ELECTRONICS CORPORATION

All rights reserved.

Printed in the U.S.A.

No part of this publication may be reproduced,
stored in a retrieval system, or transmitted.

In any form or by any means,
electronic, mechanical, photocopying, recording, or otherwise,
without prior written permission of the publisher.