

Information on The HSA Mini Touch Wrap Printing System.

When you start up the program, it will open up to the following screen:

The screenshot shows the Edys-HSAUSA-1.8 software interface. At the top, there is a menu bar with 'File', 'Connection', and 'Exit'. Below the menu bar, there are several control buttons and status indicators:

- A grey button labeled 'BEST BY' with the date '12/31/09' next to it.
- A green button labeled 'DATE CODE ACTIVE'.
- A yellow button labeled 'RESET RUN TIME' with the value '08.34' next to it.
- A red button labeled 'LANE CODE INACTIVE'.
- A large green area on the right containing the text 'Best By must be set!'.

Below these buttons is a table with the following columns: STATUS, NAME, BEST BY, RUN TIME, OPTION FIELD, and CONTROLLER TRAFFIC. The table contains 8 rows of data, each representing a lane (A01 through A08).

STATUS	NAME	BEST BY	RUN TIME	OPTION FIELD	CONTROLLER TRAFFIC
	A01	12/31/09	08.34	010	
	A02	12/31/09	08.34	010	
	A03	12/31/09	08.34	010	
	A04	12/31/09	08.34	010	
	A05	12/31/09	08.34	010	
	A06	12/31/09	08.34	010	
	A07	12/31/09	08.34	010	
	A08	12/31/09	08.34	010	

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To ensure that the system will operate correctly, the operator will need to go into the set up screen, using the File Menu. Click on File at the top left of the screen and then select Setup:

The screenshot shows the Edys-HSAUSA-1.8 software interface. At the top, there is a menu bar with 'File', 'Connection', and 'Exit'. A dropdown menu is open under 'File', showing 'Operate' (checked) and 'Setup'. Below the menu, there are several status indicators and buttons:

- A grey button labeled 'BEST BY' with the date '12/31/09' next to it.
- A green button labeled 'DATE CODE ACTIVE'.
- A yellow button labeled 'RESET RUN TIME' with the value '08.40' next to it.
- A red button labeled 'LANE CODE INACTIVE'.
- A large green area on the right with the text 'Best By must be set'.

Below these indicators is a table with the following columns: STATUS, NAME, BEST BY, RUN TIME, OPTION FIELD, and CONTROLLER TRAFFIC. The table contains 8 rows of data, each with a unique NAME (A01 through A08) and consistent values for the other columns.

STATUS	NAME	BEST BY	RUN TIME	OPTION FIELD	CONTROLLER TRAFFIC
	A01	12/31/09	09.13	010	
	A02	12/31/09	09.13	010	
	A03	12/31/09	09.13	010	
	A04	12/31/09	09.13	010	
	A05	12/31/09	09.13	010	
	A06	12/31/09	09.13	010	
	A07	12/31/09	09.13	010	
	A08	12/31/09	09.13	010	

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This will bring up the following screen:

The screenshot shows the Edys-HSAUSA-1.8 software interface. The window title is "Edys-HSAUSA-1.8" and the menu bar includes "File", "Connection", and "Exit". The main area is titled "Setup" and contains several sections:

- Printer Configuration:** A table with 5 columns: Name, On Line, IP Address, and Option. It lists 8 printers (A01-A08) with their respective IP addresses and options.
- Runtime Parameters:** A section with a checked checkbox for "Simulate Printers". It includes input fields for "IP Address" (127.0.0.1) and "Port" (3000), and a "Start Simulator" button.
- Message Files:** A section with input fields for "Date Code Message" (bestby) and "Line Code Message" (lane).
- Miscellaneous:** A section with a "Date Format" input field (mm/dd/yy) and a checked checkbox for "Render date as all caps". It also has an "Edit INI File" button.
- Manual Mode:** A section with two input fields and "Send" and "Clear" buttons.

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There are several things that need checking on this screen in order for the system to operate correctly:

The screenshot shows the 'Edys-HSAUSA-1.8' software window. The interface is divided into several sections:

- Setup:** Includes a menu bar (File, Connection, Exit) and a 'Setup' section with callouts for 'Lane Number', 'ON LINE= X OFFLINE =', 'IP Address to conform with the Mini Touch Controller', and 'Option = Line 10'.
- Printer Configuration:** A table with columns: Name, On Line, IP Address, and Option. It lists printers A01 through A08.
- Runtime Parameters:** Includes a 'Simulate Printers' checkbox, 'IP Address' (127.0.0.1), and 'Port' (3000) fields. A callout 'Must Remain at 3000' points to the port field. A 'Start Simulator' button is present.
- Message Files:** Includes 'Date Code Message' (bestby) and 'Line Code Message' (lane) fields. Callouts 'Must read bestby' and 'Must read lane' point to these fields.
- Manual Mode:** Includes two input fields, a dropdown menu, and 'Send' and 'Clear' buttons.
- Miscellaneous:** Includes a 'Date Format' field (mm/dd/yy), a checked 'Render date as all caps' checkbox, and an 'Edit INI File' button.

Name	On Line	IP Address	Option
A01	X	192.168.001.131	010
A02	X	192.168.001.148	010
A03	X	192.168.001.134	010
A04	X	192.168.001.135	010
A05	X	192.168.001.136	010
A06	X	192.168.001.137	010
A07	X	192.168.001.138	010
A08	X	192.168.001.139	010

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The Lane Number should be set up at A01 – A09 for the East Machine and B01-B09 for the West Machine:

There is an option to allow some or all of the Lanes to run at the same time.

If it is required that a particular lane does not run, then HIGHLIGHT the X on the ON LINE column for the correct Lane and press Delete, using the Delete Key on the keyboard.

The IP Address on the Configuration must match that on the Mini Touches. These have been set as follows

MINI TOUCH IP ADDRESSES	
UNIT NUMBER	IP ADDRESSES
EAST MACHINE	
A01	192.168.001.101
A02	192.168.001.102
A03	192.168.001.203
A04	192.168.001.104
A05	192.168.001.105
A06	192.168.001.206
A07	192.168.001.107
A08	192.168.001.208
WEST MACHINE	
B01	192.168.001.101
B02	192.168.001.102
B03	192.168.001.203
B04	192.168.001.104
B05	192.168.001.105
B06	192.168.001.206
B07	192.168.001.107
B08	192.168.001.208

All other items should remain as they are factory settings, and should only be changed at the direction of Dartronics Technical Support.

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After confirming the Set Up settings are correct, return to the Operate Screen, by using the File/Operate at the top left of the screen.

The screenshot shows the Edys-HSAUSA-1.8 software interface. At the top, there is a menu bar with 'File', 'Connection', and 'Exit'. Below the menu bar, there are several control buttons and status indicators:

- BEST BY** button with the value **12/31/09**.
- DATE CODE ACTIVE** indicator (green background).
- RESET RUN TIME** button with the value **08.34**.
- LANE CODE INACTIVE** indicator (red background).
- A large green box on the right containing the text *Best By must be set!*

Below these buttons is a table with the following columns: STATUS, NAME, BEST BY, RUN TIME, OPTION FIELD, and CONTROLLER TRAFFIC. The table contains 8 rows of data, all with the same values for NAME, BEST BY, RUN TIME, and OPTION FIELD. The CONTROLLER TRAFFIC column has a dropdown arrow in each row.

STATUS	NAME	BEST BY	RUN TIME	OPTION FIELD	CONTROLLER TRAFFIC
	A01	12/31/09	08.34	010	
	A02	12/31/09	08.34	010	
	A03	12/31/09	08.34	010	
	A04	12/31/09	08.34	010	
	A05	12/31/09	08.34	010	
	A06	12/31/09	08.34	010	
	A07	12/31/09	08.34	010	
	A08	12/31/09	08.34	010	

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To set the system into Operation Mode the following Steps must be followed:

Set the Best BY Date. It is programmed into the system, that while in "DATE CODE ACTIVE" MODE" until the Best By Date is set, the "SEND WRAPPERS" Button is inactive.

To do this, click on



and a Date Calendar will open up

Simply select the Date that is required to use as a sell by



You will notice that the SEND WRAPPERS button notifies the Operator that the Best By Date must be set.

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The next stage of the procedure is to “reset” the run time.



If the run time needs resetting, then Clicking on the **RESET RUN TIME** and the time will be set to the current time.

That is all that needs to be set prior to starting the print.

The operator should then verify that the power is on to all of the Mini Touches, and then should press



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After SEND WRAPPERS is done the screen should look like:

The screenshot shows a software window titled "Edys-HSAUSA-1.8" with a menu bar containing "File", "Connection", and "Exit". The interface includes several control buttons and a data table.

Control Buttons:

- BEST BY:** 12/31/09 (Grey button)
- DATE CODE ACTIVE:** (Green button)
- RESET RUN TIME:** 08.40 (Yellow button)
- LANE CODE INACTIVE:** (Red button)
- SEND WRAPPERS:** (Large green button)

Data Table:

STATUS	NAME	BEST BY	RUN TIME	OPTION FIELD	CONTROLLER TRAFFIC
	A01	12/31/09	08.40	010	0.000:Idle "Load Printer" Complete!
	A02	12/31/09	08.40	010	0.000:Idle "Load Printer" Complete!
	A03	12/31/09	08.40	010	0.000:Idle "Load Printer" Complete!
	A04	12/31/09	08.40	010	0.000:Idle "Load Printer" Complete!
	A05	12/31/09	08.40	010	0.000:Idle "Load Printer" Complete!
	A06	12/31/09	08.40	010	0.000:Idle "Load Printer" Complete!
	A07	12/31/09	08.40	010	0.000:Idle "Load Printer" Complete!
	A08	12/31/09	08.40	010	0.000:Idle "Load Printer" Complete!

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The STATUS Colum signifies the current connected status of the particular lane.

If any of the Status Boxes are YELLOW, this signifies that the printer has manually been taken OFFLINE in the SET UP screen.

If any of the Status Boxes are RED, this signifies that for some reason (stated below) that there is NO CONNECTIVITY between the software and the Mini Touch on that Lane. If this occurs, please go to the Trouble shooting Section at the end of the Information Sheet.

On the right hand side of the screen, there is a "Controller Traffic" Colum.

This shows the 12 most recent commands sent down to the Mini Touch with the software.

When Send Wrappers is sent, and the operator clicks on the drop down arrow to the right, the following information will appear.

The screenshot shows the Edys-HSAUSA-1.8 software interface. At the top, there are several status boxes: 'BEST BY' (12/31/09), 'DATE CODE ACTIVE' (green), 'RESET RUN TIME' (10.23), 'LANE CODE INACTIVE' (red), and 'SEND WRAPPERS' (green). Below these is a table with columns: STATUS, NAME, BEST BY, RUN TIME, OPTION FIELD, and CONTROLLER TRAFFIC. The table shows three rows for lanes A01, A02, and A03. The CONTROLLER TRAFFIC column contains a list of commands and responses, including 'Load Printer' completion, transmission OK, and lane/date commands.

STATUS	NAME	BEST BY	RUN TIME	OPTION FIELD	CONTROLLER TRAFFIC
Green	A01	12/31/09	11.03	010	0.000:Idle "Load Printer" Complete!
Green	A02	12/31/09	11.03	010	0.000:<= "RES:0;Transmission OK#" 0.000:=> "OBJ:lane;TEX=A01#" 0.000:<= "RES:0;Transmission OK#" 0.000:=> "OBJ:date;TEX=12/31/09#" 0.000:<= "RES:0;Transmission OK#"
Green	A03	12/31/09	11.03	010	0.000:=> "CMD:F;bestby#" 0.000:<= "RES:0;Transmission OK#" 0.000:=> "CMD:U;Edys-HSAUSA-1.8;DO 0.000:Idle "Load Printer" Complete!

This is for information only and cannot be changed, however if trouble shooting with Dartronics Technical Support, it may be required to read out the information in this drop down. Nothing can be changed in the drop down.

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The system is programmed to update the RUN Time that is printed onto the wrapper every minute while the software is running. It can be noticed that the Controller Traffic screen will change whenever that occurs.

The screenshot shows the Edys-HSAUSA-1.8 software interface. At the top, there is a menu bar with 'File', 'Connection', and 'Exit'. Below the menu bar, there are several control buttons: 'BEST BY' (grey) with '12/31/09', 'DATE CODE ACTIVE' (green), 'RESET RUN TIME' (yellow) with '08.40', 'LANE CODE INACTIVE' (red), and 'SEND WRAPPERS' (green). Below these buttons is a table with columns: STATUS, NAME, BEST BY, RUN TIME, OPTION FIELD, and CONTROLLER TRAFFIC. The table contains three rows of data. The CONTROLLER TRAFFIC column shows a list of messages, including 'RES:0;Transmission OK#', 'OBJ:time:TEX=08.43#', and 'Printer Loaded!'.

STATUS	NAME	BEST BY	RUN TIME	OPTION FIELD	CONTROLLER TRAFFIC
	A01	12/31/09	08.43	010	0.000:<= "RES:0;Transmission OK#"
	A02	12/31/09	08.43	010	60.344:=> "OBJ:time:TEX=08.43#" 0.016:<= "RES:0;Transmission OK#" 60.047:=> "OBJ:time:TEX=08.42#" 0.000:<= "RES:0;Transmission OK#" 51.820:=> "OBJ:time:TEX=08.41#" 0.000:Idle "Load Printer" Complete! 0.000:Printer Loaded!
	A03	12/31/09	08.43	010	0.000:<= "RES:0;Transmission OK#"

Again, nothing can be changed in this drop down.

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Procedure for Changing the Ink Cartridge while the printer is running.

On the carts containing the Mini Touch units there are 2 Stack Lights comprising of 4 individual lights each, which are the LOW INK alarm warning beacons for the 8 Mini Touches. If a LOW INK ALARM light is illuminated during the printing process then the Ink Cartridge is at 4% of the 42ml capacity (1.68ml) and should be changed within a short time. If this is not changed then the wrapper will not be printed.

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The procedure for the Ink Cartridge change is as follows.

- 1) Disconnect the printer

To do this Right Click on the Status Colum of the appropriate Lane

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STATUS	NAME	BEST BY	RUN TIME	OPTION FIELD	CONTROLLER TRAFFIC
Green	A01	12/31/09	08.45	010	0.000:<= "RES:0;Transmission OK#"
Green		12/31/09	08.45	010	0.000:<= "RES:0;Transmission OK#"
Green		12/31/09	08.45	010	0.000:<= "RES:0;Transmission OK#"
Green		12/31/09	08.45	010	0.000:<= "RES:0;Transmission OK#"

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2) Select Disconnect

The screenshot shows the Edys-HSAUSA-1.8 software interface. At the top, there are several status indicators: 'BEST BY' (12/31/09), 'DATE CODE ACTIVE', 'RESET RUN TIME' (08.40), 'LANE CODE INACTIVE', and 'SEND WRAPPERS'. Below these is a table with columns: STATUS, NAME, BEST BY, RUN TIME, OPTION FIELD, and CONTROLLER TRAFFIC. A context menu is open over the first row of the table, showing options: Set Online, Set Offline, Connect, Disconnect **, Start Printer, Stop Printer, Reset Run Count, and Reset Ink Level. The CONTROLLER TRAFFIC column shows '0.000: <= "RES:0;Transmission OK#' for each row.

STATUS	NAME	BEST BY	RUN TIME	OPTION FIELD	CONTROLLER TRAFFIC
	A01	12/31/09	08.45	010	0.000: <= "RES:0;Transmission OK#"
		12/31/09	08.45	010	0.000: <= "RES:0;Transmission OK#"
		12/31/09	08.45	010	0.000: <= "RES:0;Transmission OK#"
		12/31/09	08.45	010	0.000: <= "RES:0;Transmission OK#"

3) Replace the cartridge on the Pen Stall

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4) Click on RESET INK level.

The screenshot shows the Edys-HSAUSA-1.8 software interface. At the top, there are several status indicators: 'BEST BY' (12/31/09), 'DATE CODE ACTIVE', 'RESET RUN TIME' (08.40), 'LANE CODE INACTIVE', and 'SEND WRAPPERS'. Below these is a table with columns: STATUS, NAME, BEST BY, RUN TIME, OPTION FIELD, and CONTROLLER TRAFFIC. A context menu is open over the first row of the table, with 'Reset Ink Level **' selected.

STATUS	NAME	BEST BY	RUN TIME	OPTION FIELD	CONTROLLER TRAFFIC
	A01	12/31/09	08.45	010	0.000:<= "RES:0:Transmission OK#"
		12/31/09	08.45	010	0.000:<= "RES:0:Transmission OK#"
		12/31/09	08.45	010	0.000:<= "RES:0:Transmission OK#"
		12/31/09	08.45	010	0.000:<= "RES:0:Transmission OK#"

When the RESET INK Level is selected the Software automatically reconnects to the Mini Touch that was disconnected manually and sends down the correct print information, including the current run time. Simultaneously, the Mini Touch internal ink level monitor is reset to 100% (42ml)

NOTES:

It is imperative that when replacing a cartridge that a FULL cartridge is used, otherwise the system will “believe” that the cartridge is full, even though it is not, and the message will not be printed if the Pen runs out of ink.

If is necessary to simply reseal the old cartridge, do not select “Reset Ink Level”, but use “Connect instead from the same right click menu. This will send the print information, including the correct run time down to the Mini Touch, but will not reset the ink level.

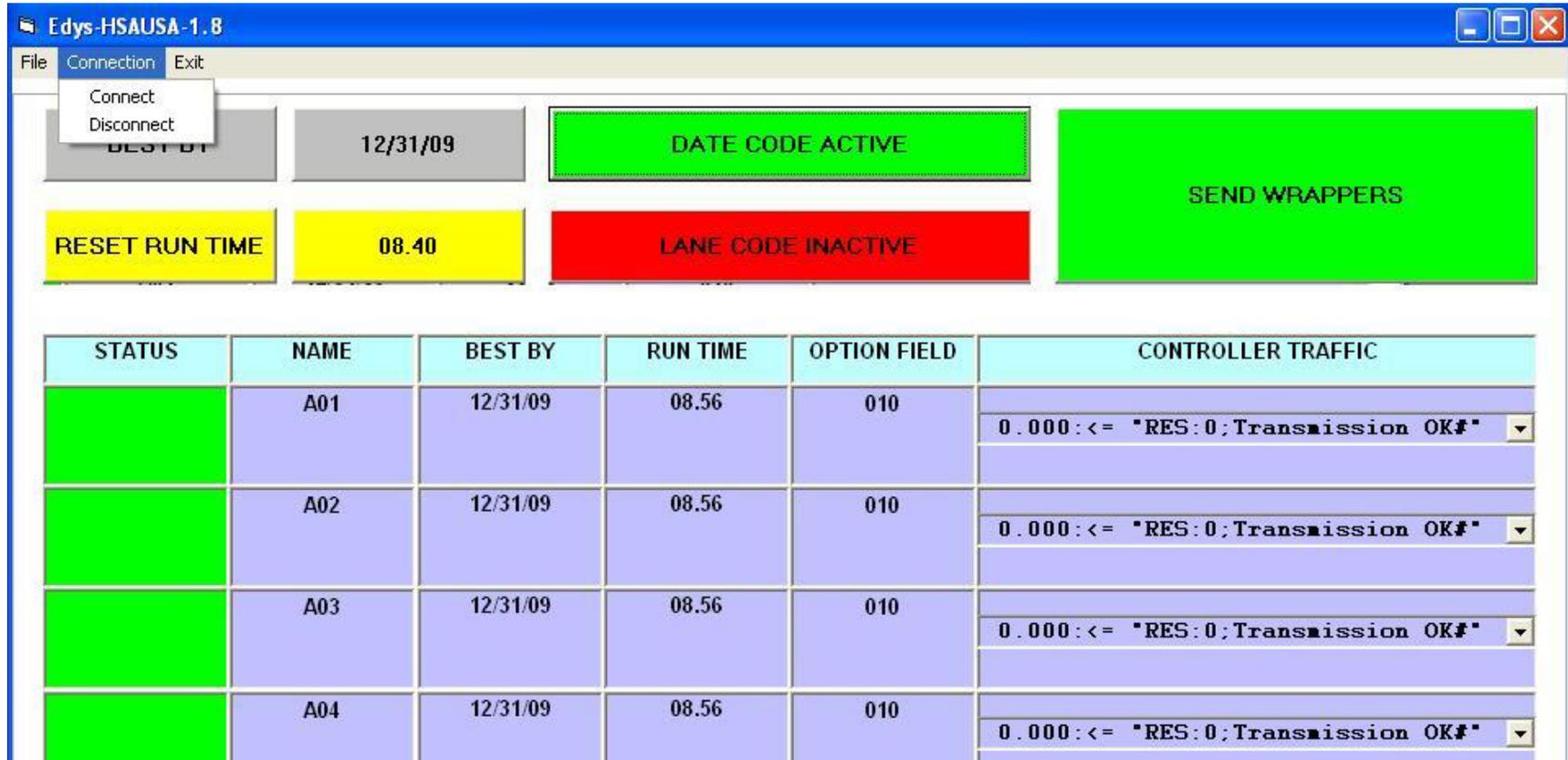
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Ending the Program

In an attempt to ensure that the printers are shut down correctly, the software has a failsafe shut down method that will stop the printers from printing and then close down the software correctly.

The procedure for shut down prior to maintenance, cleaning or end of shift (or any other reason) is as follows

- 1) Disconnect the printers via the software, by clicking on Connection, then selecting Disconnect



After this is carried out, all printers that are enabled will be disconnected. The screen will show as follows

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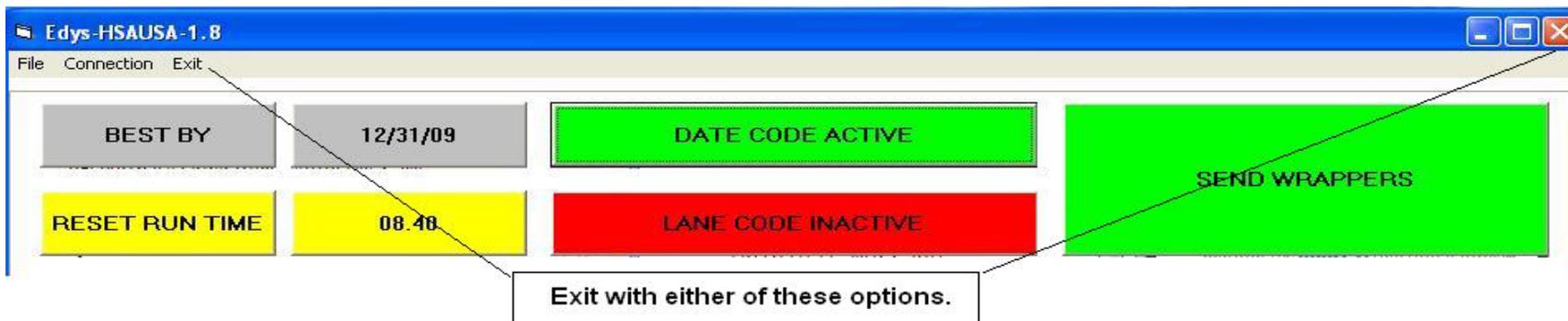
The screenshot shows the Edys-HSAUSA-1.8 software interface. At the top, there is a menu bar with 'File', 'Connection', and 'Exit'. Below the menu bar, there are several control buttons: 'BEST BY' (grey) with '12/31/09', 'DATE CODE ACTIVE' (green), 'RESET RUN TIME' (yellow) with '08.40', 'LANE CODE INACTIVE' (red), and 'SEND WRAPPERS' (large green button). Below these buttons is a table with the following columns: STATUS, NAME, BEST BY, RUN TIME, OPTION FIELD, and CONTROLLER TRAFFIC. The table contains 8 rows of data, all showing 'Disconnect Complete!' in the Controller Traffic column.

STATUS	NAME	BEST BY	RUN TIME	OPTION FIELD	CONTROLLER TRAFFIC
	A01	12/31/09	08.57	010	0.125:Disconnect Complete!
	A02	12/31/09	08.57	010	0.125:Disconnect Complete!
	A03	12/31/09	08.57	010	0.125:Disconnect Complete!
	A04	12/31/09	08.57	010	0.125:Disconnect Complete!
	A05	12/31/09	08.57	010	0.125:Disconnect Complete!
	A06	12/31/09	08.57	010	0.125:Disconnect Complete!
	A07	12/31/09	08.57	010	0.125:Disconnect Complete!
	A08	12/31/09	08.57	010	0.125:Disconnect Complete!

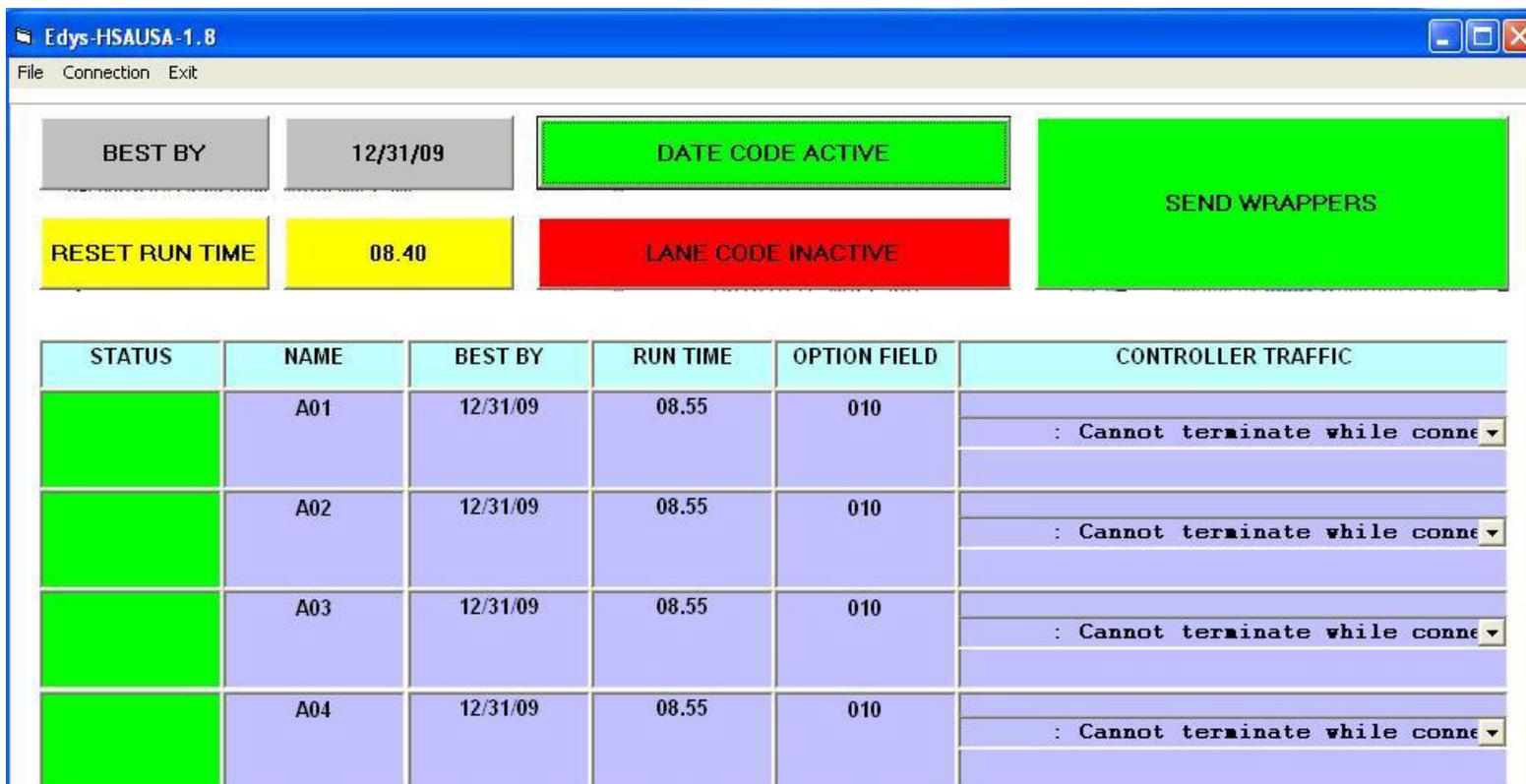
You will notice that all lanes have " Disconnect Complete" in the Controller Traffic column

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It is now possible to Exit the Software by using the Exit selector on the top left of the screen, or the X button on the top right



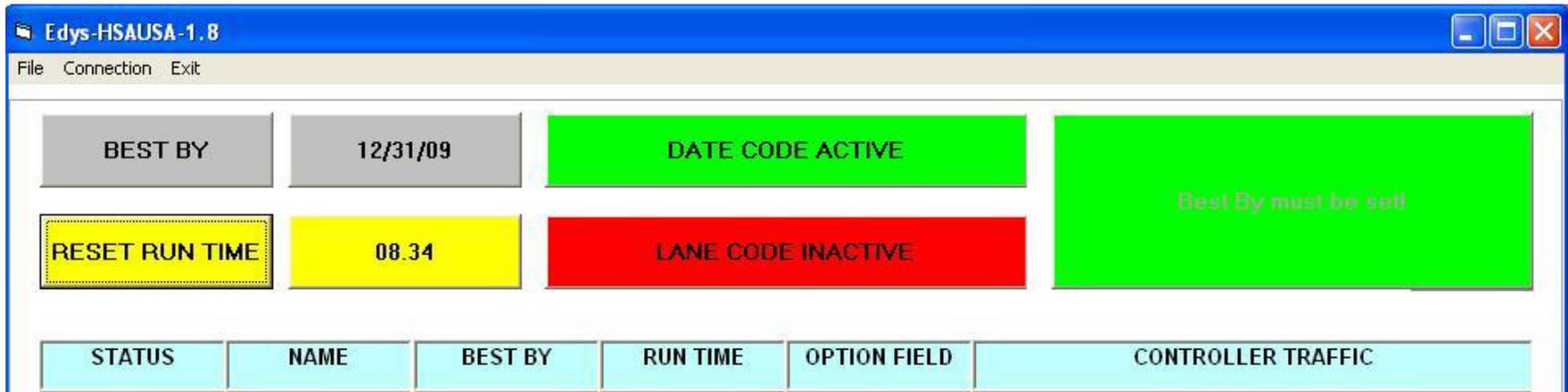
If this procedure is not carried out the software will inform the operator, that the program cannot be terminated, utilizing a message in the Controller Traffic column.



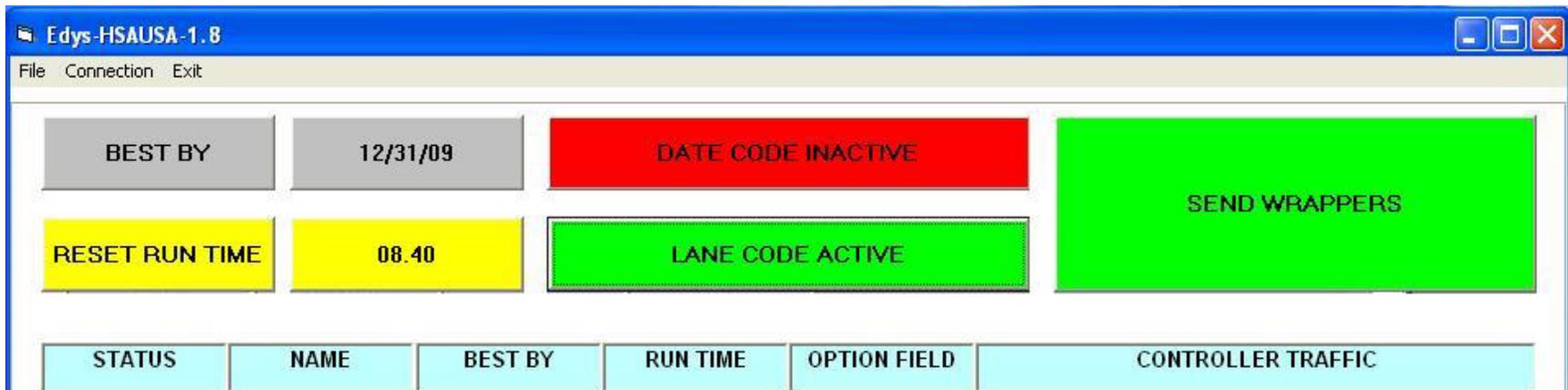
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All of these options are available whether the Date Code is active or the Lane code is active. The active selection is always in green, as below.

Date Code Active



Lane Code Active



The only difference in any procedure is when the Lane Code is active the software does not need the operator to set the sell by date before sending the wrappers.

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Sample Messages that are printed

Date Code Message

Best By:11/18/09 — Date Generated by software

18-1644 010 09.11 A01

Factory Code (fixed)

Line Number (variable in setup)

Run Time
(updated by software every minute)

Lane Number(variable in setup)

The diagram shows a rectangular box containing the text 'Best By:11/18/09' on the top line and '18-1644 010 09.11 A01' on the bottom line. Five callout boxes with lines pointing to specific parts of the text are present: 'Date Generated by software' points to the date; 'Factory Code (fixed)' points to '18-1644'; 'Line Number (variable in setup)' points to '010'; 'Run Time (updated by software every minute)' points to '09.11'; and 'Lane Number(variable in setup)' points to 'A01'.

Lane Code Message

A01

Lane Number(variable in setup)

The diagram shows a rectangular box containing the text 'A01' in large font. A single callout box with a line pointing to the text is labeled 'Lane Number(variable in setup)'.

These 2 messages are fixed within the Min Touch, and cannot be changed. If the message information is required to be changed, please contact Dartronics Technical Support.

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Trouble Shooting the Connection between the Software and the Mini Touch units.

Normal Reasons for NO CONNECTIVITY

- 1) The MINI TOUCH is turned off
- 2) The IP address is set incorrectly
- 3) The Ethernet Cable (RJ45) is either disconnected or damaged.

Resolutions for this error

- 1) Turn ON the Mini Touch (The Screen should illuminate)
- 2) Check the IP address in the SET UP Screen matches that on the Mini Touch
- 3) Replace the Ethernet Cable

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How to check the IP Address on the Mini Touch

From the HOME Screen
Click On SETTINGS



Click on
System



Click On Network



Click
on
Network

