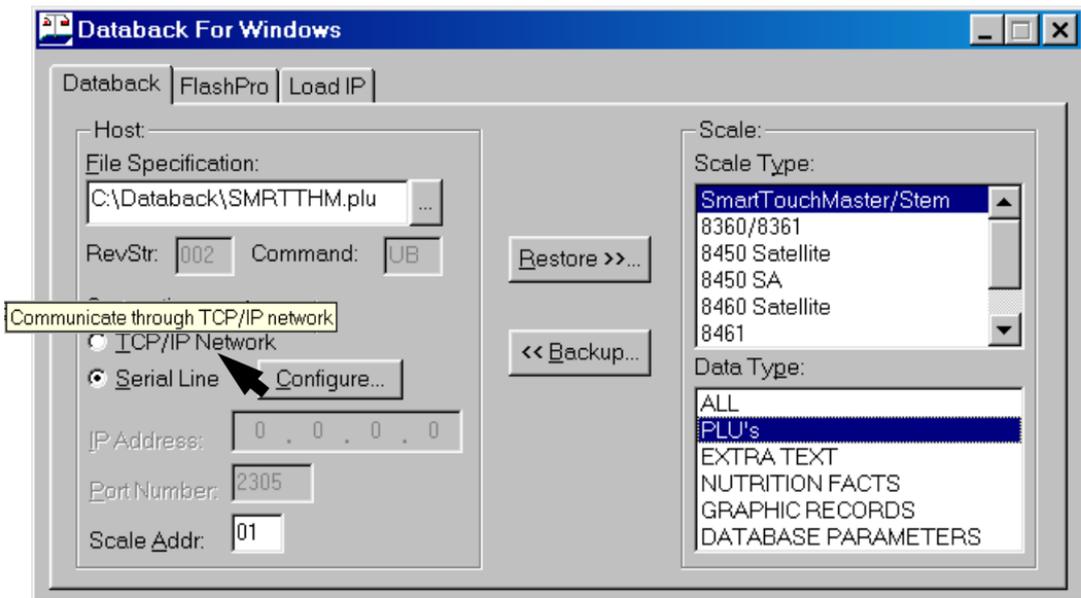


# Databack for Windows®

Help Version 1.2 9/00  
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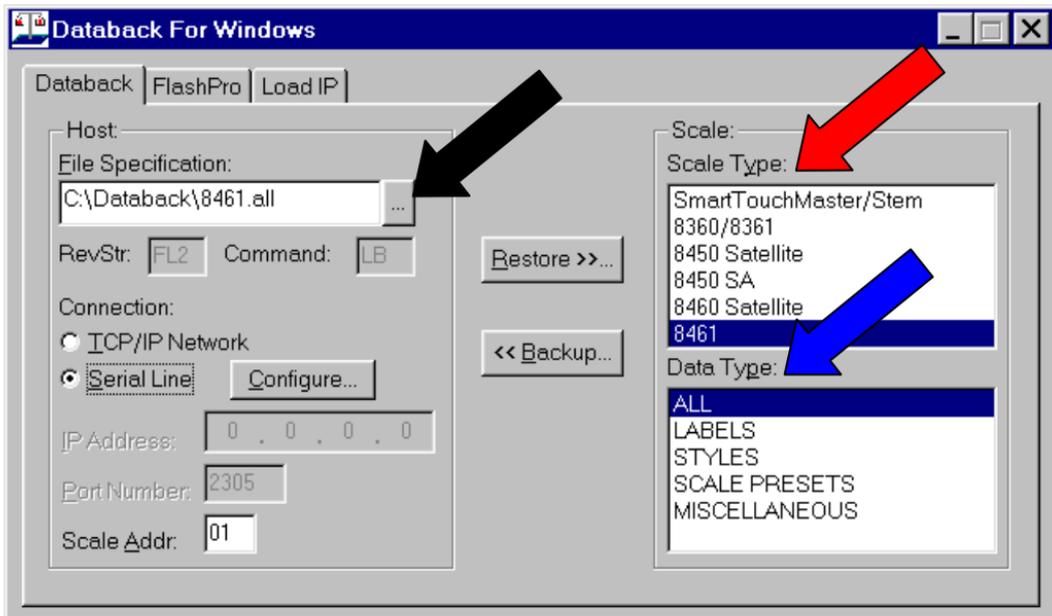
Databack for Windows® is a Windows® program used to download and upload retail scale information. Databack will communicate over an Ethernet network using TCP/IP protocol or directly through the PC's serial port. Databack is designed to operate on a PC running Windows® 95, Windows® 98 or Windows® NT 4.0 (or later) operating systems. The Main Screen is shown below. If you position the mouse pointer over buttons and certain selections, a help box will open briefly describing the function.



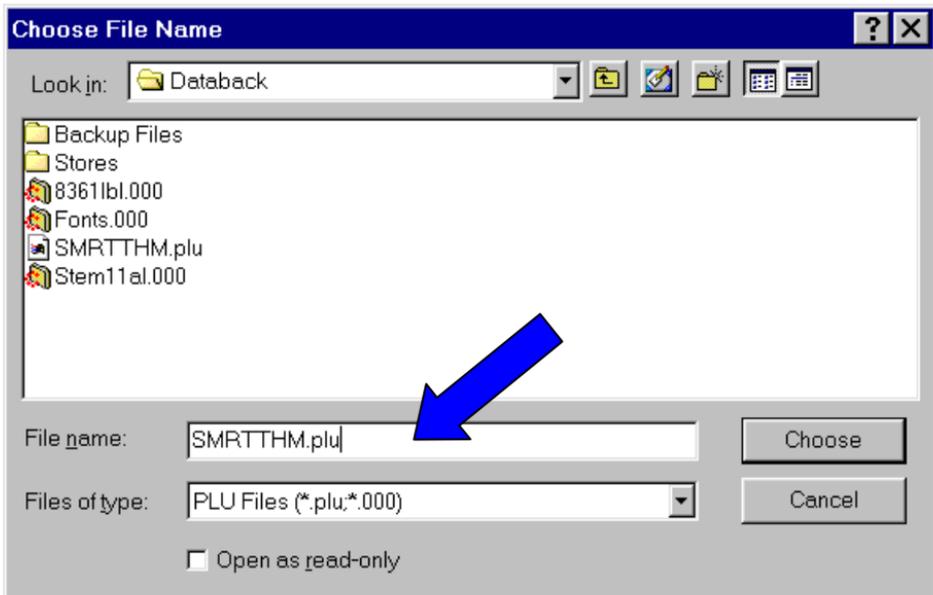
## Using Databack

Databack can backup (upload) Label, PLU, Nutrition, Extra Text, Presets, Macros, Style, Graphics, and Miscellaneous information and write it to a PC file from a scale. The backup file can be downloaded to the same scale or another compatible scale.

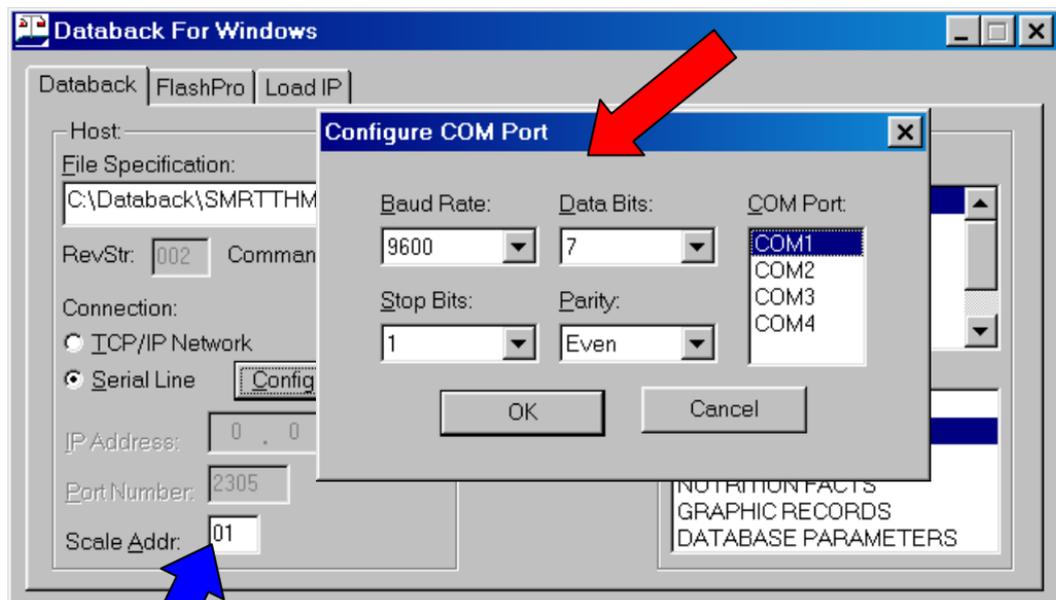
To backup a scale, first select the **Scale Type**, then select the **Data Type**. Next, you must tell Databack where to store the file using the **File Specification**. You can type in the file name and path, or click the "..." button to use the browse function.



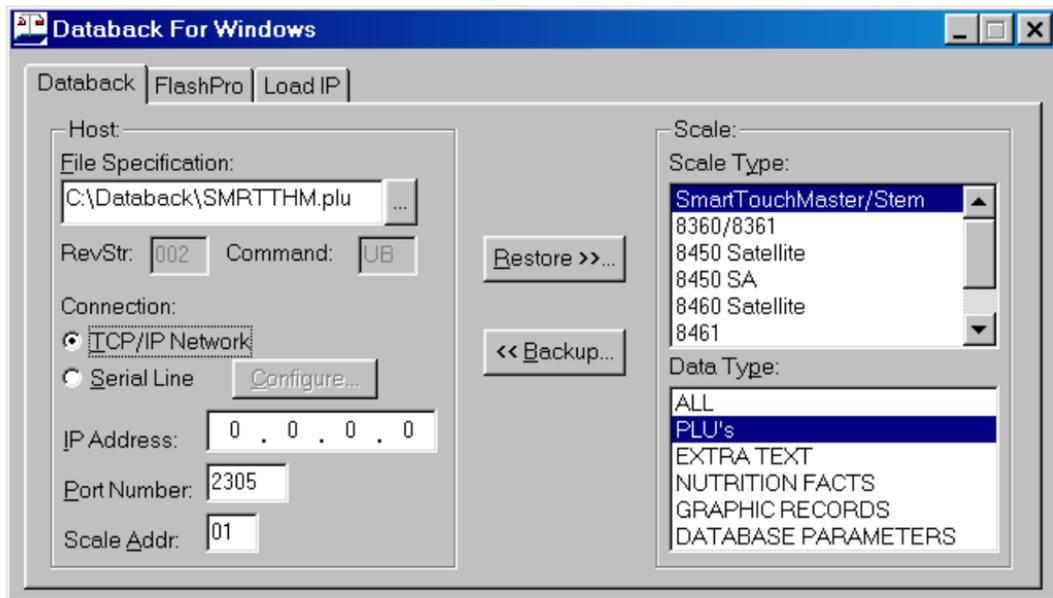
The browse screen is shown below. You can select what type of files to backup by clicking the button for "Files of type". Use this screen to select the directory where you wish to place the files, and the file name.



If you are using an RS232 Serial Line, you can "Configure the COM Port" by clicking the "Configure.." button. These settings must match the setup in the scale you are connected to. If the default setup has not been changed in the scale, the Databack default setup should work. The "Scale Addr" (Scale Address) is the host ID in the scale. These must match in Databack and the scale.



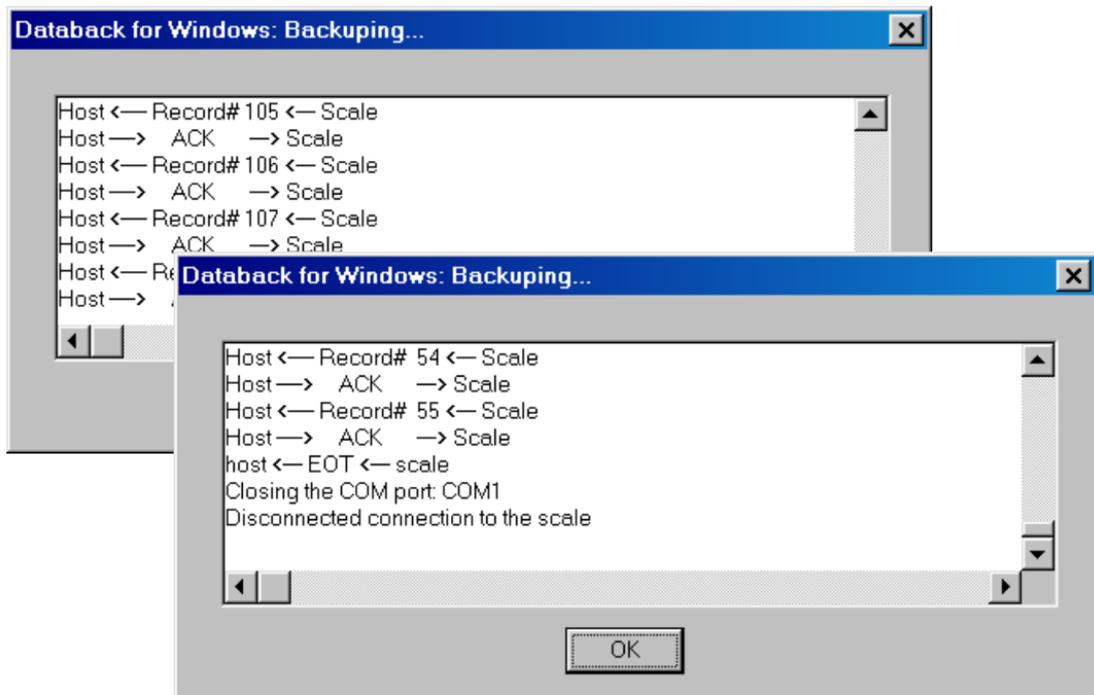
If you are using TCP/IP/Network to transfer data, you must enter the scale IP address and Host ID to match the setup in the scale. Leave the port at 2305 for most all transfers.



When you are ready to backup or restore the scale's data, click the "Backup" or "Restore" button.

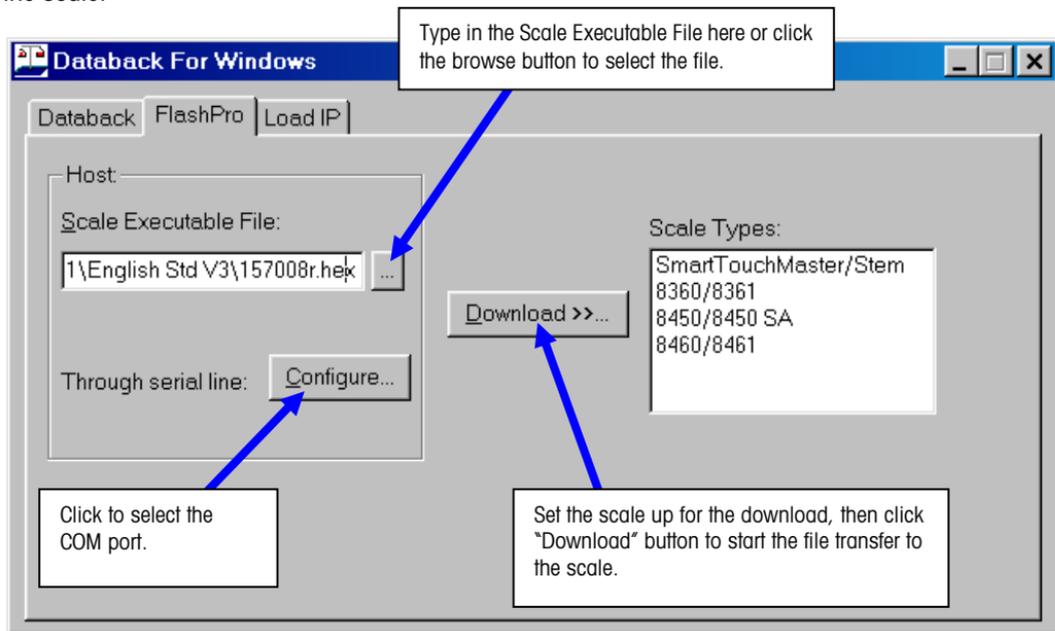


A screen will open while data is transferred and show the status of the transmission. When the transfer is complete, you will see the message "Closing the COM port COMx, Disconnected connection to the scale". Click the OK button to return to the main screen.



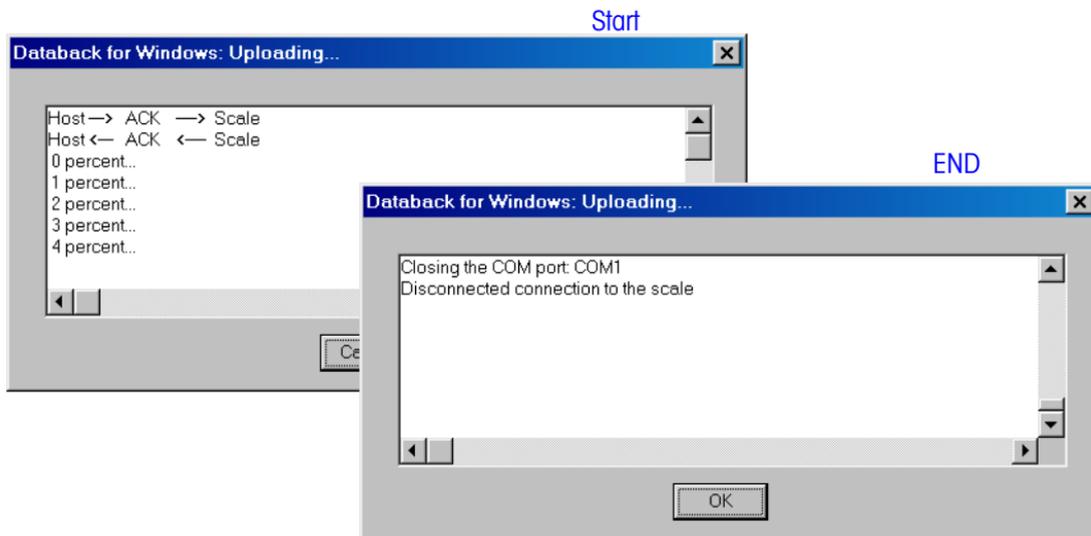
## FLASHPRO

The operating system software for the scale (Scale Executable File) is stored in Flash EEPROM's. The operating system is distributed as a PC file. This file is transferred to a unit's RS232 serial port from a PC using a downloader program called FLASHPRO. The cables and components are the same as used with DataBack. Click on the tab labeled "FlashPro" to display the operating screen. Only the PC's COM port can be changed. The setup parameters are fixed and do not need to be configured in either the PC or the scale.



The scale must be set up to start receiving the executable file. On all units, the download mode is enabled by holding the CAL switch while turning the power switch ON. On the Model 355, 2450, 8450, 8261, and 8461 the switch can be released when the display indicates the scale is ready to receive the download. On the 8360/8460, first start Flashpro, power up the scale while holding the CAL switch, and release it when Flashpro reports ACK from the scale. On the **SmartTouch**® Master, hold the Master Setup Switch while turning the scale power switch on. Release after 4 seconds, or if Flashpro is already running, release after ACK is reported.

As the data is transferred to the scale the screen will show the download progress and any errors encountered.



## LOAD\_IP

Use LOAD\_IP to initially set the STEM IP Address (or use a TNET satellite). Ethernet communications between the STEM and an Ethernet Client will not be possible until the correct IP address and port number are set. Cycle power on the STEM for the new settings to take effect. The default settings in LOAD\_IP and the STEM should match if the STEM was just flashed with software. Click the button labeled "Update" to set the new IP in the STEM. When using Load IP with Master V2.0 software, you must enter at least one character for Server Name and select Automatic or Manual.

The screenshot shows a Windows-style application window titled "Databack For Windows". It has three tabs: "Databack", "FlashPro", and "Load IP", with "Load IP" being the active tab. The window contains a "Host:" section with several input fields: "IP Address:" (207 . 142 . 240 . 100), "Subnet Mask:" (255 . 255 . 255 . 0), "Gateway Address:" (255 . 255 . 255 . 0), "Port Number:" (2305), "Server Name:" (empty), "Automatic or Manual:" (M), "Through serial line:" (Configure...), and "Scale Address:" (01). To the right of these fields is a "Scale Types:" section with a list box containing "SmartTouchMaster/Stem". A button labeled "Update >>..." is positioned between the input fields and the list box. The window has standard Windows window controls (minimize, maximize, close) in the top right corner.

## Scale Setup

### 2450/355/8450 Network Setup

Use the following key sequence to set the client IP address and Gateway address. The example shows setting the IP address to 207.142.140.102. To enter into the setup menus, enter the following:

[SETUP MODE]  
[ENTER]  
[UNIT ID]

The setup menu will display, one line at a time.

NETWORK: AUTOMATIC
SCL:207.142.140.102
SCL NAME:
SCL MAC:
SERVER: AUTOMATIC
SVR:207.142.140.100
SVR NAME:
MSK:255.255.255.000
RTR:207.142.140.001
DCP:207.142.140.002
DNS:207.142.140.003

Press the “UP” and “DOWN” buttons to advance to the next setup menu item. Press the “ENTER” button to select or change. You must first select the network boot type, Manual or Automatic. Automatic is the default. Automatic will use DHCP to automatically obtain the network boot information from a DHCP server. The parameter details are explained on the next page.

## 2450/355/8450 Network Setup

<b>Network</b>	<p><b>Automatic</b> - DHCP feature will be used. Changes are allowed only in the "Scale Name" and "Server Name" fields.</p> <p><b>Manual</b> - TCP/IP parameters must be entered manually. "DHCP Server" and "DNS Server" fields will not display. Changes allowed only in the "SCALE IP", "SCALE NAME", "SERVER IP", "SERVER NAME", "SUBNET MASK", and "ROUTER" fields.</p>
<b>SCL (SCALE IP)</b>	Scale IP address. Cannot be change when Network = Automatic. The default value for this field is 255.255.255.000.
<b>SCL Name</b>	Local domain name of Client scale. All other devices on the network will reference the scale by using this name when the "NETWORK" is set to "AUTOMATIC". The default value for this field is "Scale01".
<b>SCL MAC</b>	Media Access Control address. Cannot be changed.
<b>Server</b>	If the "SERVER" is set to "AUTOMATIC", the scale server IP address will be obtained automatically using the "SRR NAME" through the DNS server and/or with a SARP on the local network. If the "SERVER" is set to "MANUAL", the scale server IP address used will be the one set in the "SVR". The "SVR NAME" will not be used.
<b>SVR</b>	STEM or PC Scale Server IP address. When Network = MANUAL, this field may be changed. The default value is 255.255.255.000.
<b>SVR NAME</b>	Domain name STEM or PC. The scale will use this name when the "NETWORK" is set to "AUTOMATIC". The default value is "MTMaster01".
<b>MSK</b>	The Subnet Mask is used to identify the local network. When Network = Manual, this may be changed. Default value is 255.255.255.000.
<b>RTR</b>	The router's (default gateway) IP address. The router is used when accessing devices outside of the local network. When Network = Manual this field may be changed. Default value is 255.255.255.000.
<b>DCP</b>	IP address of the local DHCP server. This field only displays when the "Network" is set to "Automatic" and cannot be changed.
<b>DNS</b>	IP address of the DNS server. This field only displays when the "Network" is set to "Automatic" and cannot be changed.

## 2450/355/8450 Host Setup

Press the SETUP MODE key then ENTER. If a password has been programmed, key in the password, then press ENTER. If the unit is a Standalone model, press the SETUP MODE key, then the DOWN or UP keys to display UNIT, then press ENTER. Enter the unit password (if required). Using the Setup Mode overlay, press the HOST key. Use the UP/DOWN keys to toggle through the selections. Press the ENTER key to change a selection, the UP/DOWN keys to toggle through the selections, and ENTER again to select the new parameter.

**Baud Rate** - Default setting is 9600.

**Parity** - EVEN, ODD, LOW, HIGH, and OFF. Default setting is EVEN.

**Stop Bits** - 1, 1.5, and 2. Default setting is 1.

**Data Bits** - 5, 6, 7, or 8. Default setting is 7.

**Flow Control** - NONE, XON/XOFF, and RTS/CTS. Default setting is NONE.

**Timeout** - Key in the desired time out, in milliseconds. Default setting is 20,000 (20 seconds).

**Host ID** - Key in the desired host ID number and press ENTER. The default is 1.

# 8360/8361/8460/8461 Satellite, Host Setup

(For TNET Satellites and Ethernet Satellites)

Touch To Zero GROSS zero <b>0.00</b> lb		DEPT: 0 - DELI 07/28/02 03:30 PM IP: 207.146.20.10		ENTER PLU: <b>0</b>	
SETUP	PRESET PAGE	PRESET PAGE	7	8	9 CLEAR
VOID	PRESET PAGE	PRESET PAGE	4	5	6
LIST ITEMS	PRESET PAGE	PRESET PAGE	1	2	3
PRESET MODE	PRESET PAGE	PRESET PAGE	0	ENTER/PRINT	ENTER

<b>CHOOSE SETUP MODE</b>			
HELP	UNIT	MASTER EDITOR	CANCEL

ENTER PASSWORD: <b>0</b>					
7	8	9	CLEAR		
4	5	6			
1	2	3	ENTER		
0	.	BACK SPACE			

Displays only when passwords are in use.

<b>UNIT SETUP</b>				<b>QUIT</b>
PROGRAM PRESET KEYS	SET PRESET TOUCH REACTION	SETUP MARQUEE	CHANGE TIME/DATE	
CALIBRATE/INSTALL UNIT	PERIPHERAL CONFIGURATION	PROGRAM LABEL FORMATS	PRINTER SETUP	
		PLU OPTIONS	VERIFY LABELS	
	CHANGE DEPARTMENT	PROGRAM PASSWORD	SET BEEPER DURATION	

<b>HOST ID: 1</b>
Baud Rate: 9.6k
Parity: Even
Stop Bits: 1
Data Bits: 7
Flow Control: None
Timeout (ms): 20000

Host Communications

**QUIT**

<b>HOST ID:</b>				
				1
7	8	9	CLEAR	
4	5	6		
1	2	3	ENTER	
0	.	BACK SPACE		

<b>Host ID</b>	Two-digit ID 01-99.
<b>Baud Rate</b>	Default is 9.6k baud.
<b>Parity</b>	Even, Odd, Low, High, and Off. Default is EVEN.
<b>Stop Bits</b>	1.5 and 2. Default is 1.
<b>Data Bits</b>	5, 6, and 8. Default is 7.
<b>Flow Control</b>	XON/XOFF, and RTS/CTS. Default is None.
<b>Timeout</b>	Default is 20000ms.

## SmartTouch® Master and STEM Host Setup

Edit	Quick	Print	Report	Clear	copY	conFig	QUIT ESC
					pLu record defaults		
					pAsswords		
					Store / department info.		
					Department number		
					auTo configure rate		
					Master peripherals		
					DataBase diagnostics		
					setUp master		
					Initialize ram		
Master access					Current Dept: 0		
Ver: 4.00					C145237R		
Date: 09/09/99							

CONFIGURE SERIAL PORTS

PRINTER	HOST	EXIT
---------	------	------

HOST PORT SETUP

Baudrate: 9.6K	Parity: EVEN	Stopbits: 1	Databits: 7
tiMeout: 20000mS	Flow control: NONE		
host Id: 01	Host interface: 4 DIGIT	eXit	

# STEM Network Setup

Edit	Quick	Print	Report	Clear	copy	conFig	QUIT ESC
					pLU record defaults		
					pAsswords		
					Store / department info.		
					Department number		
					auTo configure rate		
					Master peripherals		
					DataBase diagnostics		
					setUp master		
					Initialize ram		
Master access    Current Dept: 0    Ver: 4.00    C145237R    Date: 08/09/01							

Setup Menu		QUIT
Weighing Units : lb		
Weight Increment : 0.010		
Currency Increment : 0.010		
Currency Symbol : \$		
Date Format : MM/DD/YY		▼
Date Separator : /		
Time Format : 12 Hour		▼
Barcode Style : UPC		▼

Setup Menu		QUIT
Barcode Style : UPC		π π
Obsolete PLU's Enabled : NO		
Network : Automatic		π
Server IP Address : 207.142.140.100		
Server Host Port : 2305		▼
Server Name :		▼

Setup Menu		QUIT
Server MAC Address :00-E0-7C-00-01-8A		▲ ▲
Server Subnet Mask: 255.255.255.000		
Router : 255.255.255.000		▲
DHCP Server IP Address: 207.142.140.002		
DNS Server IP Address: 207.142.140.003		

See next page for an explanation of the STEM network settings.

## STEM Version 2 Network Setup

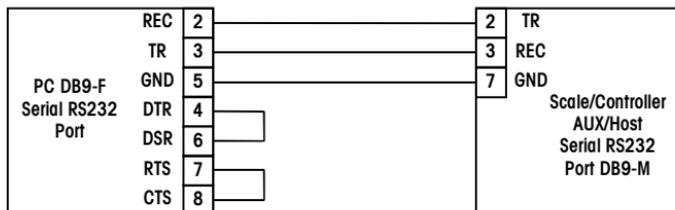
<b>Network</b>	<p><b>Automatic</b> - DHCP feature will be used. The "Server IP", "Server MAC", "Subnet Mask", "Router", "DHCP Server", and "DNS Server" fields will display but cannot be changed. Changes will be allowed in the "Server Host Port" and "Server Name" fields.</p> <p><b>Manual</b> - The DHCP feature is disabled and the TCP/IP parameters must be entered manually. The "Server MAC" field will display but no changes are allowed. The "DHCP Server" and "DNS Server" fields will not display and changes are not allowed to these fields. Changes will be allowed in the "Server IP", "Server Host Port", "Server Name", "Subnet Mask", and "Router" fields.</p>
<b>Server IP</b>	STEM IP address. If the "Network" is set to "Automatic", this field cannot be changed. If the "Network" is set to "Manual" then this field may be changed. The IP address is entered one octet at a time. The default value for this field is 255.255.255.000.
<b>Server Host Port</b>	STEM's TCP 4 digit port number used for host communications. The default value for this field is 2305 and should not be changed for most configurations.
<b>Server Name</b>	Local domain name for the STEM.
<b>Server MAC</b>	Hardware Media Access Control (MAC) address. Each Ethernet device has a unique 6-byte MAC address. This field is displayed but cannot be changed.
<b>Subnet Mask</b>	If the "Network" is set to "Automatic" this field cannot be changed. When set to "Manual" this field may be changed. The mask is entered one octet at a time. The default value for this field will be 255.255.255.000. For a Subnet Mask on a local network, use an unused address such as 255.255.255.0.
<b>Router</b>	The router's (default gateway) IP address. The router is used when accessing devices outside of the local network. If the "Network" is set to "Automatic" this field can not be changed. If the "Network" is set to "Manual" this field may be changed. Default value for this field is 255.255.255.000.
<b>DHCP Server</b>	The IP address of the local network's DHCP server This field will only be displayed when the "Network" is set to "Automatic" and can not be changed.
<b>DNS Server</b>	IP address of DNS server. Displays when "Network" is "Automatic" (don't change).

# Serial Connections

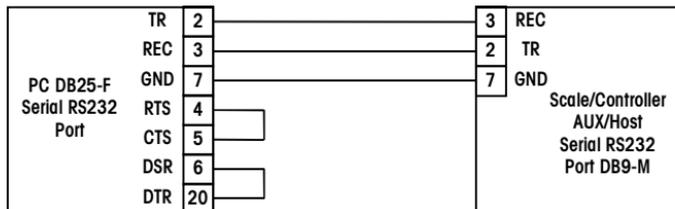
## Serial Cables

Factory cables are shown below using a 25-pin or a 9-pin PC RS232 Serial Port to the 9-pin connector at the scale. (Note: Cables are the same as used for Models 355, 8360, 8361, 8422, 8423, 8305, 8450, 8460.)

0900-0285 (\*13816200A) Cable, PC DB9 to Scale 10 ft/3 m  
0900-0297 (\*14102600A) Cable, PC DB9 to Scale 25 ft/7.62 m



0900-0286 (\*13816300A) Cable, PC DB25 to Scale 10 ft/3 m  
0900-0298 (\*14102800A) Cable, PC DB25 to Scale 25 ft/7.62 m



PC RS232 to Host/AUX Port Cables