

# **Register Supplement**

## **SHARP 410, 420, 450, 550, 600, 700, 750, 770, 3300, 3301**

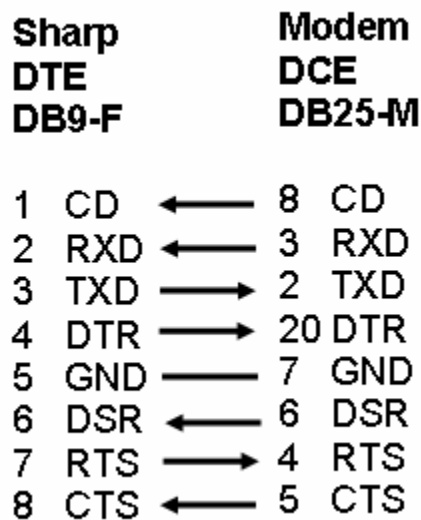
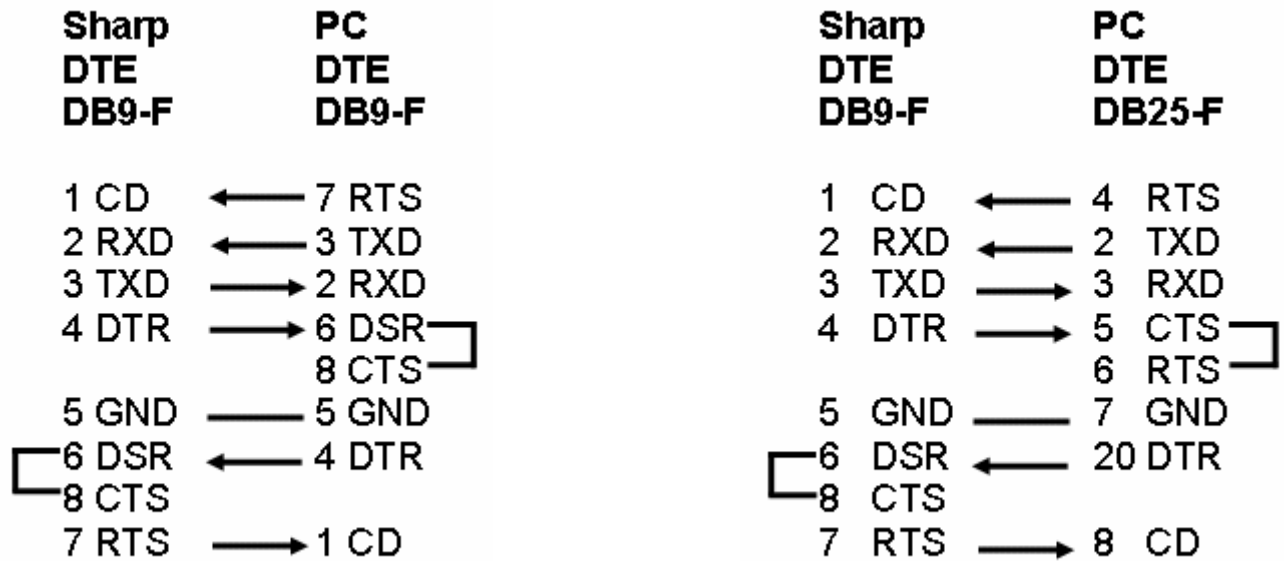
This Register Supplement is intended to address only topics relative to PC/POLL SYSTEMS Polling. This supplement is not designed to replace the SHARP Operations or Programming Manuals, nor is it intended to replace the ECR Dealer's expertise. If problems with the system are encountered, the best course of action is to contact a professional ECR Dealer.

The Register Supplement is divided in five appendices:

- Appendix A -- Cables
- Appendix B -- ECR Programming
- Appendix C -- Export Formats
- Appendix D -- Modem Setup
- Index to the SHARP Appendices

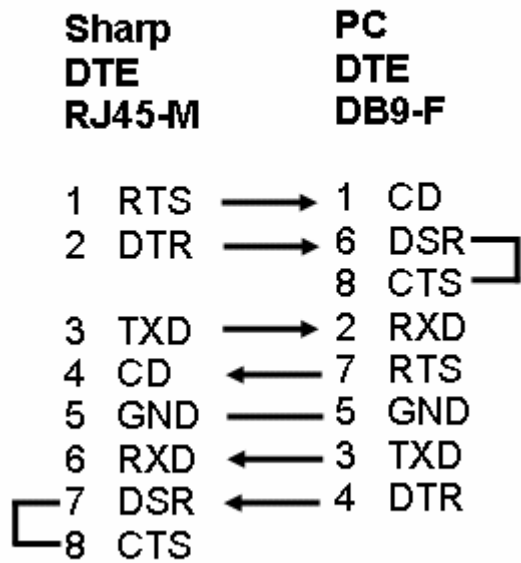
# Appendix A - Cables

All models' diagrams are identical except Port 2 on the Sharp 600/700.

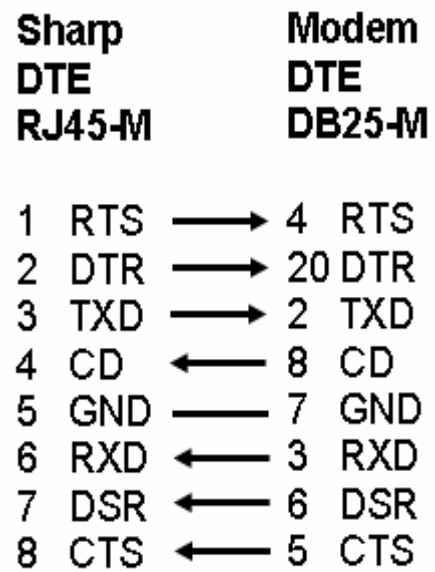


The following diagrams are only for the Sharp 600/700 registers.

### Sharp 600/700 Port 2



### Sharp 600/700 Modem Port 2



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## **B & B 422 CFCR RS-232/RS-422 Converter**

DCE device - use standard modem cable between converter and register.

The PC cable is a standard serial cable with a jumper between 5 & 6 on the RS232 side of the converter.

The cable between converters is as follows:

(4 twisted pair)

2 <> 3

14<>16

3 <> 2

16 <> 14

4 <> 5

19 <> 13

5 <> 4

13 <> 19

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## ***Distributed Smart Switch***

Jumper settings:

4W

TERM - OUT

Power supply:

White-----+12VDC

Black-----GND

The wiring for connecting two or more switches together is as follows:

TD(A)-----TD(A)

TD(B)-----TD(B)

RD(A)-----RD(A)

RD(B)-----RD(B)

The wiring for switch to DB25 (to connect to inline adapter):

Switch                      DB25

TD(A)-----PIN 5

TD(B)-----PIN 17

RD(A)-----PIN 2

RD(B)-----PIN 14

Use standard direct connect cable for register to switch connection.

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## **Switch Settings for SmartSwitch Box**

Looking at the box with the one connector facing away from you and four connectors pointing towards you the three switch banks you need to set are positioned as in the diagram below.

Switch bank one is the baud rate. Turn on the switch corresponding to the desired baud rate. All others are off. If the box is not responding the first thing to check is the baud rate switch.

### SW1            BAUD RATE

1	150
2	300
3	600
4	1200
5	2400
6	4800
7	9600
8	19200

Switch bank two should be left alone.

The factory setting applies

### SW2

1	OFF
2	OFF
3	OFF
4	ON

Switch bank three should be set as follows:

### SW3

1	OFF
2	OFF
3	ON
4	OFF
5	ON
6	OFF
7	OFF
8	OFF

# Appendix B - ECR Programming

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## SHARP Required Programming

During the initial setup of the SHARP registers, the Machine Number, Terminal Number, Baud Rate and Polling Port must be programmed at the register. The Store Number, Machine Number and Baud Rate entered in the Machine Information Table in the software must match those entered into the register. It is HIGHLY recommended that you have a cash register dealer perform these operations.

### Terminal Number, Baud Rate and Polling Port

#### Sharp 410/420

##### Port Designation

Turn the key to PGM2

Enter 2690 + decimal point + @/For + 1 + @/For + 1000(port 1) + Subtotal + Cash  
Or

Enter 2690 + decimal point + @/For + 1 + @/For + 8000(port 2) + Subtotal + Cash

##### Baud Rate

This register's baud rate defaults to 19,200

#### Sharp 450

##### Port Designation

Turn the key to PGM2

Enter 2690 + decimal point + @/For + 1 + @/For + 1000(port 1) + Subtotal + Cash  
Or

Enter 2690 + decimal point + @/For + 1 + @/For + 8000(port 2) + Subtotal + Cash

##### Baud Rate

This register's baud rate defaults to 9,600

#### Sharp 550

##### Port Designation

Turn the key to PGM2

Enter 945 + decimal point + @/For + 1000(port 1) + Cash

##### Baud Rate

This register's baud rate defaults to 9,600

## Sharp 600/700

### Port Designation

Turn the key to SRV mode  
Select System Preset  
Select Online and set your channel number

### Baud Rate and Terminal No.

Turn the key to PGM2 mode  
Select Online Setting  
Set the first option for your terminal no. and set the fourth option for your baud rate.

### Machine Number

Enter PGM2 mode  
Select Setting  
Select Terminal  
Select Machine# and set the machine#

## Sharp 750, 770, 3300 & 3301

### Port Designation

Enter SRV mode  
Select Setting  
Select Device Assign  
Select Online  
Set the first option for your terminal no. and set the second option for your channel no.

### Baud Rate and Terminal No.

Enter PGM2 mode  
Select Online Setting  
Set the first option for your terminal no. and set the fourth option for your baud rate

### Machine Number

Enter PGM2 mode  
Select Setting  
Select Terminal  
Select Machine# and set the machine#

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## **EPROM Version**

One of the first thing needed in Polling is your EPROM version. To find the EPROM version in your SHARP register, do the following:

Make sure the register is in PGM2.

Press 959, @/For key, then Cash and the EPROM will print on the receipt tape or appear on the screen depending on the register.

## **Appendix C - Export Formats**

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Export formats are available on request. Please email [support@pcpoll.com](mailto:support@pcpoll.com) for the desired information!

# Appendix D - Modem Setup

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## Sharp Setup for Multi Tech 19200 & 33600 Modems

### Host (PC Side)

Install the modem in Window's using the manufacturer's latest drivers. It may be necessary to set the maximum baud rate in the modem's configuration equal to the communications baud rate.

### Register (ECR side)

*REGISTER AT&FQ1\$SBXS0=N &W0*

*AT&F\$SBXS0=NQ1&W0* Where x = baud rate (ex. 9600), N = number of rings for auto answer, and 0=zero

The separate AT commands are:

- AT&F - Restore all the factory default settings from the ROM
- AT\$SBX - Serial Port Baud Rate = X (9600 for 9600 ECR settings)
- ATS0=N - Ring Count = N (number of rings before modem answers)
- ATQ1 - Result codes suppressed (quiet) including the 'OK'
- AT&W0 - Store configuration in NVRAM to be loaded at power-up or with the ATZ command

This is used to configure modems purchased from PC/POLL SYSTEMS. Fax any questions to our Support Department if necessary.

**NOTE:** Extensive testing has been done on the modems sold by PC/POLL SYSTEMS to insure that this configuration will work with PC/POLL SYSTEMS' software. If modems are purchased from another vendor, contact that vendor if problems occur.

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**Note: See the index of the polling manual to locate non-register specific information.**

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