

## V93A: 14.4 Kbps Host Modem Module : Addendum to Owners Manual

This addendum describes how to use and configure the V93A host modem module. If you need assistance please call BayTech technical support @ 800-523-2702.

### 1 GETTING STARTED

The V93A provides a modem interface and also a EIA-232 port for device selection and configuration. The following instructions provide the steps necessary to display the menu. First, power the unit.

If you are using a dial-up line to access the menu, proceed to Step 2.

**STEP 1 (EIA-232 CONNECTION):** Use adapter (9FRJ45PC-3) and the cable (RJ08X007) supplied with the unit. Connect the cable to the port labeled EIA-232 on the V93A. Connect the adapter to the serial port of your PC or terminal and then connect the other end of the cable to the RJ45 side of the adapter.

Load your terminal software or the TERM program provided on the BayTech utility disk if you are using a PC. Set the serial port to 9600,n,8,1.

If you are using a dumb terminal to interface to the V93A, set the serial port setting to 9600,n,8,1.

Proceed to step 3.

**STEP 2 (MODEM CONNECTION):** Connect the phone line to the RJ11 connector on the V93A with a RJ-11 cable. Load your terminal software. With the serial port set to 9600,n,8,1 dial the number associated with the phone line connected to the V93A. Once connected, enter the Default Login Password, "BTA".

**STEP 3 (ACTIVATE MENU):** To activate the port selection menu, type **5 or more ;;;;** (default) in a row and a menu similar to the following will appear.

```
.      M-Series V93A DAC Host
      Unit 1 Module 2
      REV. 4.00 Copyright(c) 1995-1997
      Bay Technical Associates

      Device A      (2,1).....1
      Device B      (2,2).....2
      Device C      (2,3).....3
      Device D      (2,4).....4
      Configure.....C
      Manual Mode.....M
      Exit.....X
      Unit Reset.....R
```

```
Logout.....T
Enter Request :
```

The device names in the menu correspond to the device names assigned to the serial ports installed in the unit. To select a particular device simply enter the number of the device then hit return. *Refer to section 16.4 of the M-Series DAC owners manual for configuration of device names.*

The other items in the menu provide various functions described below:

**Configure** - Allows users enter into the configuration mode for any installed modules or for the base unit.

**Manual Mode** - Allows users to manually select a module and/or port.

**Exit** - Takes users out of the menu mode but does not log you out.

**Unit Reset** - Resets the M-Series DAC.

**Logout** - Takes users out of menu mode and logs you out. If you have a modem connection, the logout feature will disconnect you.

To return to the menu after making a connection, simply type 5 or more ‘;’ semicolons(default).

**NOTE:** Menu selection is case sensitive. It is highly recommended that you enable CAPS LOCK on your keyboard.

## 2 CONFIGURATION

To access configuration, bring up the menu and select option ‘C’. Select the module number associated with the V93A. For example, if the V93A is installed in module slot 4, select the number from the menu that is associated with Module 4. The menu below will appear.

```
Status.....1
Serial Port Configuration.....2
Port Device Name.....3
Port Select Code.....4
Attention Character.....5
Disconnect Timeguard.....6
Login Password.....7
Local Modem Setup.....8
Exit.....X
Enter Request :
```

### 2.1 STATUS

By responding to the menu with a "1" (Status), you can review the current configuration of the V93A. Below is the default status.

```
Installed Modules :1,2
```

```

Port Select Code is.....$BT
Attention Character is.....;
Disconnect Time Guard is.....Disabled
Local Modem Setup :
Rings to Auto-Answer.....2
Modem Connectivity Time-out is.....Disabled
Login Setup:
Login Password is.....BTA

```

```

Strike any Key to Continue
+-----+-----+-----+-----+-----+-----+-----+
|Port|  Device  |Baud |Word |Stop|Parity|Xon/Xoff|
|    |  Name   |Rate |Size |Bits|      |Xmit|Recv|
+-----+-----+-----+-----+-----+-----+-----+
|  1 |HostEIA-232|9600 |  8  |  1  | None |Off |Off|
|  2 |Host MODEM |57.6k|  8  |  1  | None |Off |Off|
+-----+-----+-----+-----+-----+-----+
Strike any Key to Continue

```

## 2.2 SERIAL PORT CONFIGURATION

By responding with "2" (Serial Port Configuration), you can change serial configuration for the EIA-232 port on the V93A. The V93A will then respond with:

```

Enter Host Device Number (1-2): 1

Module 1 Serial Port Configuration :
+-----+-----+-----+-----+-----+-----+-----+
|Port|  Device  |Baud |Word |Stop|Parity|Xon/Xoff |
|    |  Name   |Rate |Size |Bits|      |Xmit|Recv|
+-----+-----+-----+-----+-----+-----+-----+
|  1 |Device A  |9600 |  8  |  1  | None |Off |Off|
+-----+-----+-----+-----+-----+-----+

Exit/Save.....1   Set Stop Bits.....4
Set Baud Rate..2   Set Parity.....5
Set Word Size..3   Set Xon/Xoff.....6

```

**Enter Request :**

You can now reconfigure the V93A EIA-232 port by sending the appropriate option (1 to 6) from the menu. For example, to change the baud rate to 115.2K, send "2" (Set Baud Rate). The V93A will respond with:

```

1 For 300
2 For 600
3 For 1200
4 For 2400
5 For 4800
6 For 9600
7 For 19200
8 For 38400
9 For 57.6K
A For 76.8K
B For 115.2K

```

Enter Request :

Send "B" for 115.2K baud rate. The V93A will respond with the reconfigured status of the port as follows:

```
Module 2 Serial Port Configuration :
+-----+-----+-----+-----+-----+-----+-----+
|Port|   Device   |Baud |Word |Stop|Parity|Xon/Xoff|
|   |   Name    |Rate |Size |Bits|      |Xmit|Recv|
+-----+-----+-----+-----+-----+-----+-----+
|  1 |Device A   |115.2|  8  |  1 | None |Off |Off|
+-----+-----+-----+-----+-----+-----+
Exit/Save.....1   Set Stop Bits.....4
Set Baud Rate..2   Set Parity.....5
Set Word Size..3   Set Xon/Xoff.....6
```

Enter Request :

You can now select other options from the menu. For example, to enable Xon/Xoff handshaking in the receive data direction only, send "6" (Set Xon/Xoff Xmit) in response to the prompt. The V93A will respond with:

```
Output Flow Control (Xmit) - Xon/Xoff is ( OFF )
Stop/Restart Output Upon Receiving of Xoff/Xon ?      (Y/N) :
```

Enter "Y" to enable XON/XOFF on transmit or "N" to disable XON/XOFF on transmit. Following our example, enter "N" and the module will respond with:

```
Input Flow Control (Recv) - Xon/Xoff is ( Off )
Xoff/Xon sent based on Buffer - Full/Empty condition ? (Y/N) :
```

Enter "Y" to enable XON/XOFF on receive or "N" to disable XON/XOFF on receive. Following our example, enter "Y" and the module will respond with the reconfigured status for the selected port as follows:

```
Module 2 Serial Port Configuration :
+-----+-----+-----+-----+-----+-----+-----+
|Port|   Device   |Baud |Word |Stop|Parity|Xon/Xoff|
|   |   Name    |Rate |Size |Bits|      |Xmit|Recv|
+-----+-----+-----+-----+-----+-----+-----+
|  1 |Device A   |9600 |  8  |  1 | None |Off |Off|
+-----+-----+-----+-----+-----+-----+
Exit/Save.....1   Set Stop Bits.....4
Set Baud Rate..2   Set Parity.....5
Set Word Size..3   Set Xon/Xoff.....6
```

Enter Request :

If there are no other changes, send "1" (Exit/Save) and the V93A will respond with:

```
Save Changes Permanently ? (Y/N) :
```

If you type "Y", the new configuration for the selected port is stored permanently in non-volatile memory and the module will subsequently power up at the new configuration. If you type "N", the new configuration is stored in RAM and lost once power is removed from the unit. The V93A will return to the main configuration menu.

**NOTE:** If you are configuring the V93A from the EIA-232 port, the V93A will respond with:

```
Change Device to NEW Configuration
Before Answering This Request.
```

**CAUTION:** This message reminds you to change the serial port configuration of the host device to match the new configuration of the host port. If they do not match, the V93A will be unable to interpret the next command and you will be unable to access any multiport function. If this happens, cycle power on the multiport and reconfigure the unit. Make any necessary changes to the host device before answering the "Save Changes Permanently?" prompt.

### 2.3 PORT DEVICE NAME

By responding with "3" (Port Device Name), you can change the Port Device Name. The V93A module will respond with a menu similar to the following:

```
Module 1 Device Name :
+-----+-----+-----+-----+-----+-----+-----+
|Port|  Device  |Baud |Word |Stop|Parity|Xon/Xoff|
|  |  Name   |Rate |Size |Bits|      |Xmit|Recv|
+-----+-----+-----+-----+-----+-----+
|  1 |Device D |9600 |  8  |  1  | None |Off |Off|
+-----+-----+-----+-----+-----+-----+

Enter Port Device Name (Max. 16 characters):
or ENTER for no change .....:
```

Enter the desired Port Device Name up to 16 characters. For example, if you type "PORT 4" followed by <ENTER>, the module will respond with:

```
Module 1 Device Name :
+-----+-----+-----+-----+-----+-----+-----+
|Port|  Device  |Baud |Word |Stop|Parity|Xon/Xoff|
|  |  Name   |Rate |Size |Bits|      |Xmit|Recv|
+-----+-----+-----+-----+-----+-----+
|  1 |Port 4   |9600 |  8  |  1  | None |Off |Off|
+-----+-----+-----+-----+-----+-----+

Enter Port Device Name (Max. 16 characters):
or ENTER for no change .....:
```

If the Port Device Name is satisfactory, type <ENTER>. The V93A will return to the main configuration menu.

**NOTE:** If the V93A Connect Port ID Echo feature is programmed for Use Device Name, the message sent to the host device when the host selects a V74/V75 peripheral port will be the Device Name shown in the menu above.

## 2.4 PORT SELECT CODE

By responding with "4" (Port Select Code), you can change the Port Select Code to any ASCII character string from 1 to 8 characters. The V93A will respond with:

```
Port Select Code is.....$BT  
  
Enter Port Select Code (Max. 8 characters):  
or ENTER for no change.....:
```

Type the desired Port Select Code followed by <ENTER>. For example, if you type #PORT followed by <ENTER>, the V93A will respond with:

```
Port Select Code is.....#PORT  
  
Enter Port Select Code (Max. 8 characters):  
or ENTER for no change.....:
```

If no additional change is desired, type "ENTER". The V93A will store the new Port Select Code permanently into non-volatile memory and return to the main configuration menu.

## 2.5 ATTENTION CHARACTER

By responding with "5" (Attention Character), you can change the Attention Character to be any ASCII character. The V93A will respond with:

```
Attention Character is..... ;  
Change It ? (Y/N) :
```

Type "Y" to change the Attention Character. The V93A will respond with:

```
Enter Attention Character :
```

Type the desired Attention Character. For example, if you type "%", the V93A will respond with:

```
Attention Character is..... %  
Change It ? (Y/N) :
```

Type "N" if no additional change is desired. The V93A will store the new Attention Character into non-volatile memory and return to the main configuration menu.

## 2.6 DISCONNECT TIME GUARD

By responding with "6" (Disconnect Time Guard), you can determine if you want a one second delay. The V93A will respond with:

```
Disconnect Time Guard is.....Enabled
Change It? (Y/N):N
```

Type "Y", to toggle the existing state of Disconnect Time Guard or "N" for no change. The V93A will store the selected state of the Disconnect Time Guard into non-volatile memory and return to the main configuration menu.

## 2.7 LOGIN PASSWORD

By responding with "7" (Login Setup), you can change the Login Password. The V93A will respond with:

```
Login Password Is.....BTA
Change It: (Y/N):
```

Type "Y" to enter the new password up to 8 ASCII characters followed by <ENTER>. For example, if you want to change the Login Password to LOGIN, type "LOGIN" at the prompt. The V93A will respond with:

```
Enter New Password( 1 - 8 char., CR to end):
```

If the Login Password is correct, type "N". The V93A will store the new Login Password into non-volatile memory and return to the main configuration menu.

## 2.8 LOCAL MODEM SETUP

By responding with "8" (Local Modem Setup), you can change the Rings to Answer and the Connectivity Time-out. The V93A will respond with:

```
Local Modem Setup:
Rings to Answer.....1
Connectivity Time-out.....2
Exit.....X
Enter Request :
```

Type the number corresponding to your desired choice. For example, if you type "1" (Rings to Answer), the V93A will respond with:

```
Rings to Auto-Answer.....1
Change It ? (Y/N) :
```

Type "Y" to change the Number Rings to Auto-Answer setting. The V93A will respond:

```
Enter Number of Rings to Auto-Answer (1 to 4) :
```

The V93A will store the Number of Rings to Auto-Answer in non-volatile memory and return to the main configuration menu.

By responding to the message in the Local Modem Setup menu with "2" Connectivity Time-out: The V93A will respond with:

```
Enter Request : 2  
  
Modem Connectivity Time-out is.....5 minutes  
Change It ? (Y/N) :
```

This time-out can be programmed from 5 to 255 minutes, or 0 (=disable). The timer is started when the modem goes off-hook (DCD goes high), and the modem will return to "on hook" after the time-out has expired. The factory default is 0 (disabled).

## **2.9 EXIT**

By responding with "X" (Exit), you will exit configuration mode. At this point, the V93A is awaiting a command from the host device (i.e., Attention Character sent five times).