



VX-1000MD 24 Port Mini DSLAM Chassis  
VX-1000LD 8 Port Mini DSLAM Chassis  
Quick Start Operations Guide

## **1.0 How to Access the Chassis :**

To connect using a DB9 serial cable is optimal. As shown in the picture in the cover page of this manual. The white cable indicates the uplink cable.

**Important Note:** The Manufacturing default IP that is set for products shipped is 192.168.1.253

However as a quick note the VX-1000 Chassis can be connected via the use of your web browser or via telnet if it is up and running on the network. But this requires the IP to be known and your unit properly set with the correct gateway so that the internet and network paths can be connected.

### **HyperTerminal Settings are as follows:**

To access your HyperTerminal you can find it listed in the Start Menu → Accessories → Communication folder path on your Windows.

Please proceed to run that program and after selecting a profile as you find appropriate please select the following listings.

Ensure that you are attempting to log in over the correct COM Port. COM Port 1 is normally the default login port.

The terminal settings are different for the 8 port and 24 port VX-1000LD and VX-1000MD.

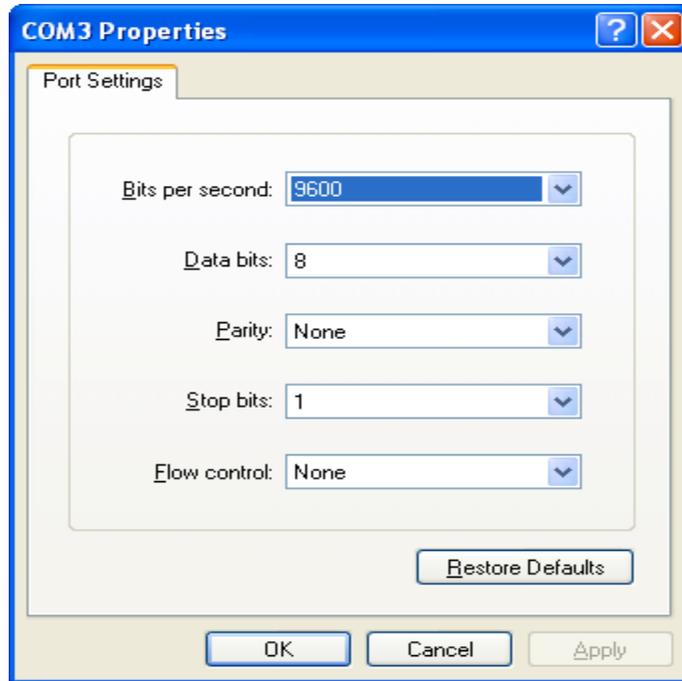
For the **8 port ADSL 2 + VX-1000LD** Mini DSLAM the settings are as follows.

**9600 8 N 1 None**

For the **24 port ADSL 2+ VX-1000MD Mini DSLAM** the settings are as follows:

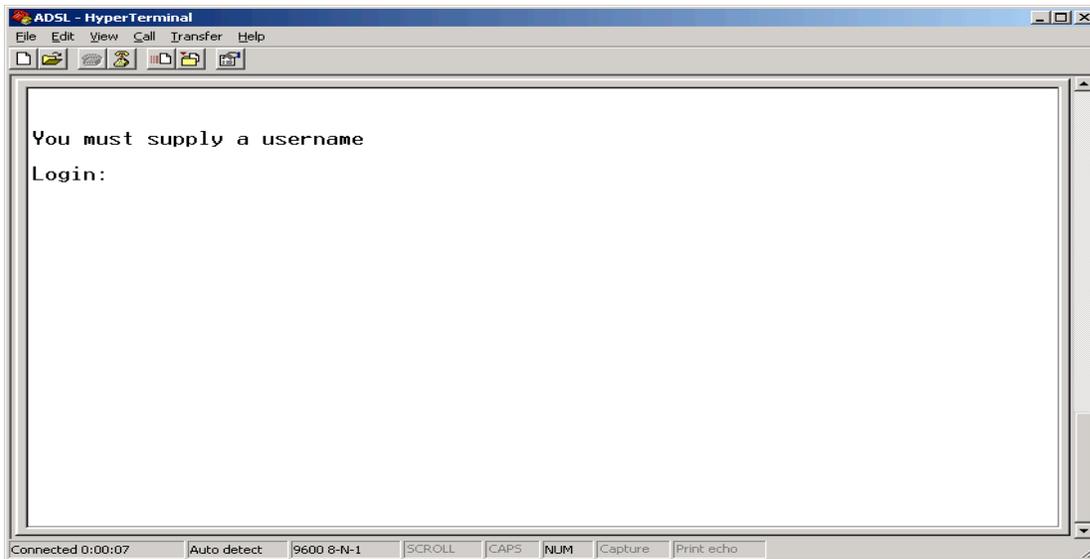
**38400 8 N 1 None**

The example in the following picture uses the settings for the 8 port, if you have the 24 port model please be sure to use the correct baud rating of 38400.



Picture D

Check to ensure all settings are similar to what you see above on Picture D. Once you have done so hit OK and you will now see the equipment querying you for user and password commands as shown in Picture E.



Picture E

**Important note : Manufacturer settings are defaulted as shown below.**

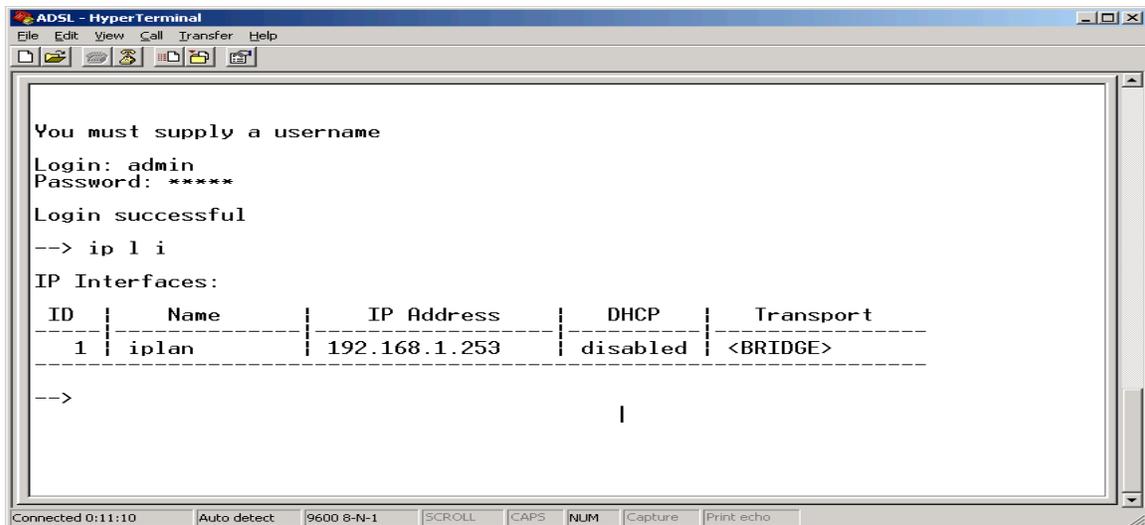
Login: **admin**           + hit enter  
Password: **admin**       + hit enter

## IP List Information

Now that you have entered the systems its time to take a look at the IP's that have been set on the unit. To query the chassis to, type “ ip l i” and hit Enter. It stands for IP List Information in the CLI commands list.

Once you have done so you will notice that the info will appear as you see below on Picture F.

**Important Note:** The “iplan” is your chassis IP and this needs to be set so that it is appropriate to your network.



```
ADSL - HyperTerminal
File Edit View Call Transfer Help
[Icons]
You must supply a username
Login: admin
Password: *****
Login successful
--> ip l i
IP Interfaces:
  ID | Name | IP Address | DHCP | Transport
  ---|---|---|---|---
  1 | iplan | 192.168.1.253 | disabled | <BRIDGE>
-->
```

Connected 0:11:10 | Auto detect | 9600 8-N-1 | SCROLL | CAPS | NUM | Capture | Print echo

Picture F

## Systems Information

Utilizing the CLI command type in the short abbrev of the term “ sys in” as show below and this will display to you your general systems information, such as MAC address of the chassis as shown below here on Picture G.

```
--> ip l i
IP Interfaces:
  ID | Name | IP Address | DHCP | Transport
-----|-----|-----|-----|-----
  1 | iplan | 192.168.1.253 | disabled | <BRIDGE>

--> sys in
Global System Configuration:
      Vendor: Versatek
          URL: http://www.versatek.com/
      MAC address: 00:30:50:09:F1:9D
Hardware ver: Octane v1.0.0.2 (9.0) / He100/2xx CSP v2.3
Software ver: VX1000A0800100811282005VersaBigbear
Build type:  RELEASE
Compiler:  gcc 2.95.3 20010315 (release)

-->
```

Picture G

## **2.0 Setting VX1000LD Chassis IP Address**

By factory default the chassis IP will be set as **192.168.1.253**.  
To set your own password, please enter the following command.

***ip set interface iplan ipaddress <ipaddress>***

***Example***

***Ip set interface iplan ipaddress 192.168.1.253***

***or***

***Ip set interface iplan ipaddress 192.168.1.253 255.255.255.0***

This will add the dns gateway.

After you have entered this, the chassis will reset and you will need to log on again once more.

In the area shown as <ipaddress> input the IP address that is intended and do not use the enclosed cursors as shown.

The commands “***ip l i***” will allow you to view and confirm that your IP for the chassis has been altered and set correctly.

Always remember to type “***sys co sa***” to save your new settings. System Configuration Save is critical to ensure that your new settings are saved onto the chassis.

### **3.0 Setting the VX1000LD Chassis Gateway IP**

This is a crucial step in the installation process. You must point your chassis towards the network gateway.

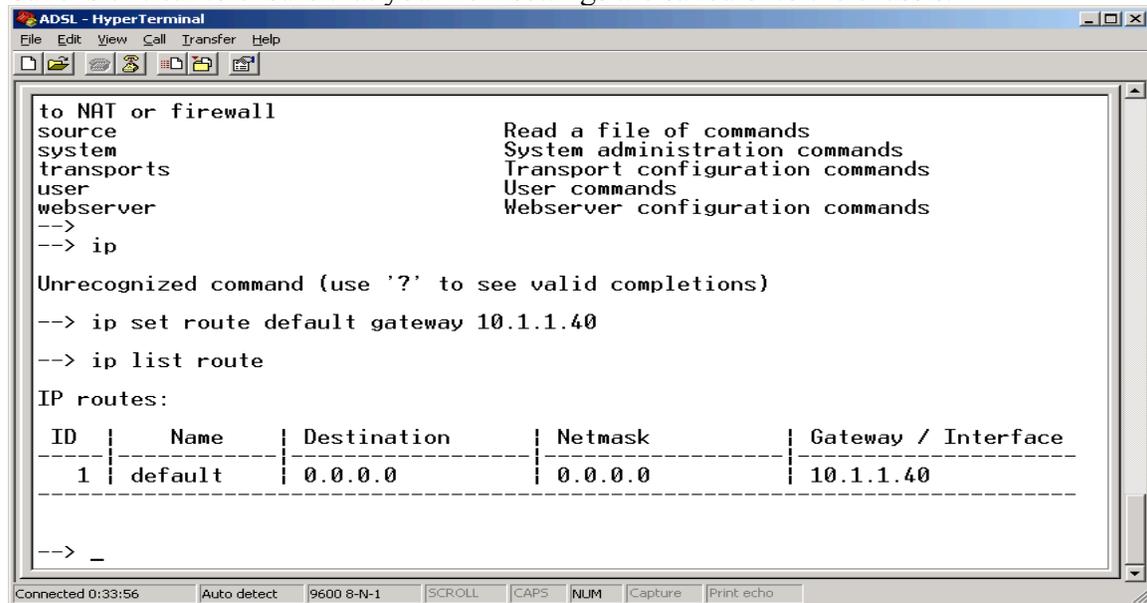
To do so, please enter the following command.

```
ip set route default gateway <ipaddress>  
ip set route default gateway 10.1.1.40
```

In the area shown as <ipaddress> input the IP address that is intended and do not use the enclosed cursors as shown.

The commands “*ip list route*” will allow you to review and confirm the Gateway IP that you have set on the VX-1000 Chassis. As shown on Picture H.

Always remember to type “*sys co sa*” to save your new settings. System Configuration Save is critical to ensure that your new settings are saved onto the chassis.



Picture H

### **4.0 Bandwidth Control Settings:**

To control bandwidth speeds per port you may input the following commands.

**Important NOTE:** The number field uses a bps scale. If you want to specify 1mbps, then number equals 1000000.

If you are changing speeds and you have ports that are LIVE and restarting your system is not an option please proceed with the instructions shown in area A. If you can restart your system you can skip Area A and proceed directly to **Port Limiting Speed Commands**

### **Area A Live Port Activation and Speed Change**

Before changing your speed type enter this following  
For Eg. ( to change port a1)

**port a1 set ActivateLine Abort**

After changing your speed type

**port a1 set ActivateLine Start**

This command above is to activate speed change, after you have used a port limiting speed command that is demonstrated below.

### **Area B Port Limiting Speed Commands**

The above commands are to toggle open/close the port between speed changes. Otherwise speed change will not take effect on immediate run time.

### **For Download Speed Commands**

For Eg,

```
port a0 set AtucChanConfFastMaxTxRate 1500000
port a0 set AtucChanConfInterleaveMaxTxRate 1500000
port a1 set AtucChanConfFastMaxTxRate 1500000
port a1 set AtucChanConfInterleaveMaxTxRate 1500000
port a2 set AtucChanConfFastMaxTxRate 1500000
port a2 set AtucChanConfInterleaveMaxTxRate 1500000
port a3 set AtucChanConfFastMaxTxRate 1500000
port a3 set AtucChanConfInterleaveMaxTxRate 1500000
port a4 set AtucChanConfFastMaxTxRate 1500000
port a4 set AtucChanConfInterleaveMaxTxRate 1500000
port a5 set AtucChanConfFastMaxTxRate 1500000
port a5 set AtucChanConfInterleaveMaxTxRate 1500000
....
.....
port a23 set AtucChanConfFastMaxTxRate 1500000
```

```
port a23 set AturChanConfInterleaveMaxTxRate 1500000
```

```
sys co sa
```

```
sys re
```

### **For Upload Speed Commands**

For Eg,

```
port a0 set AturChanConfFastMaxTxRate 1500000
```

```
port a0 set AturChanConfInterleaveMaxTxRate 1500000
```

```
port a1 set AturChanConfFastMaxTxRate 1500000
```

```
port a1 set AturChanConfInterleaveMaxTxRate 1500000
```

```
port a2 set AturChanConfFastMaxTxRate 1500000
```

```
port a2 set AturChanConfInterleaveMaxTxRate 1500000
```

```
port a3 set AturChanConfFastMaxTxRate 1500000
```

```
port a3 set AturChanConfInterleaveMaxTxRate 1500000
```

```
port a4 set AturChanConfFastMaxTxRate 1500000
```

```
port a4 set AturChanConfInterleaveMaxTxRate 1500000
```

```
port a5 set AturChanConfFastMaxTxRate 1500000
```

```
port a5 set AturChanConfInterleaveMaxTxRate 1500000
```

```
port a6 set AturChanConfFastMaxTxRate 1500000
```

```
port a6 set AturChanConfInterleaveMaxTxRate 1500000
```

```
....
```

```
....
```

```
....
```

```
port a22 set AturChanConfFastMaxTxRate 1500000
```

```
port a22 set AturChanConfInterleaveMaxTxRate 1500000
```

```
port a23 set AturChanConfFastMaxTxRate 1500000
```

```
port a23 set AturChanConfInterleaveMaxTxRate 1500000
```

```
sys co sa
```

```
sys re
```

Please remember to apply the abort and start commands from each line to enable this limiting immediately. Also please save your configuration before restarting when required. You can create commands on a notepad or word pad ahead of time and then copy and paste the commands into your DSLAM in the hyper-terminal or console command interface. When ever pasting multiple lines of code we suggest you do them 5-10 lines at a time and to check and

### **Fast Mode or Interleave?**

Ideally you would want to set you chassis to be running on Fast Mode because you will achieve optimal performance doing this. An ADSL modem is a passive

device and can only connect to what the DSLAM settings have indicated and therefore it will adjust to comply with the VX-1000MD.

Interleave Mode is a safer and more secure mode to pass data and which is less likely to lose packets in the process. However because it performs its functions to ensure data integrity this reduces the bandwidth that is available as that resource is deducted to achieve stability.

However understand that Fast Mode and Interleave do not alter your speed performance, they merely alter the latency that maybe affected by utilizing one or the other methods to carry data.

<b>Important Note:</b> Factory default is to set to run at Fastmode.
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## **5.0 Quick Start Conclusion**

Upon completing the following steps you would have accomplished the quick initial steps required to get your chassis online and ready to provide services once its uplink and bridges begin linking as expected.

If you have any questions please consult the user manual which has detailed specifics regarding the operation of this system. If questions and problems remain please contact:

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