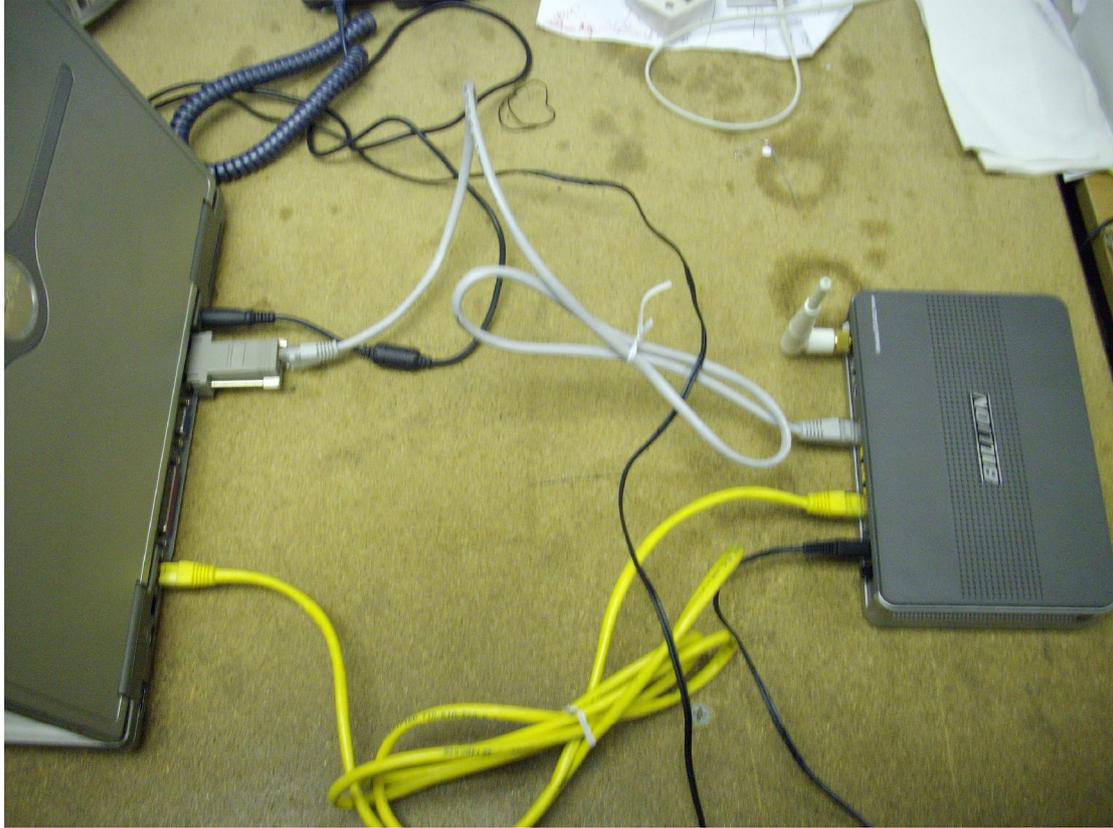


Instructions on how to capture logs from Bipac 74xx.

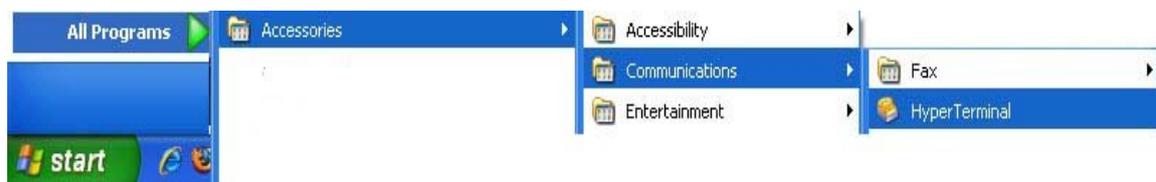
1. Please turn off your Bipac 74xx.
2. Unplug the USB dongle from your router.
3. Plug the serial (RS232) 9 pins connector to Ethernet converter to the computer's RS232 serial port.

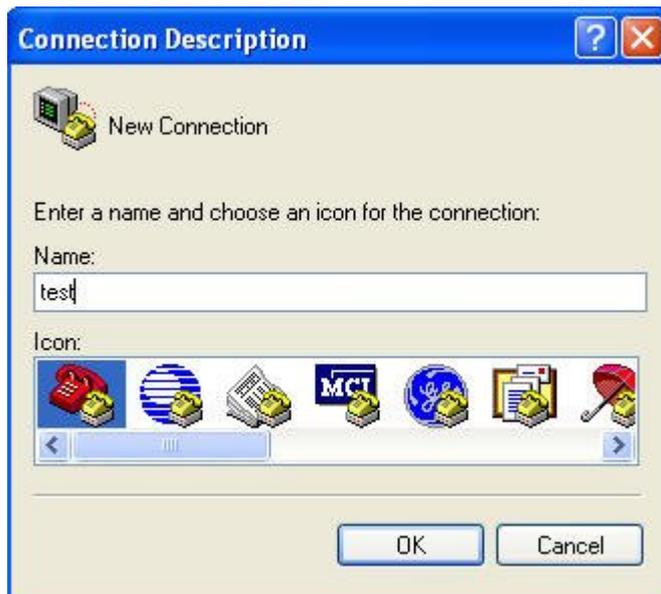


4. Connect up an Ethernet cable (RJ45) from the RS232 to Ethernet converter to the 74xx LAN port 4, then insert a second RJ45 cable into the computer's LAN port and the other end of the RJ45 cable to LAN port 1 on the 74xx.



Go to your computer then start Hyper Terminal program in windows.

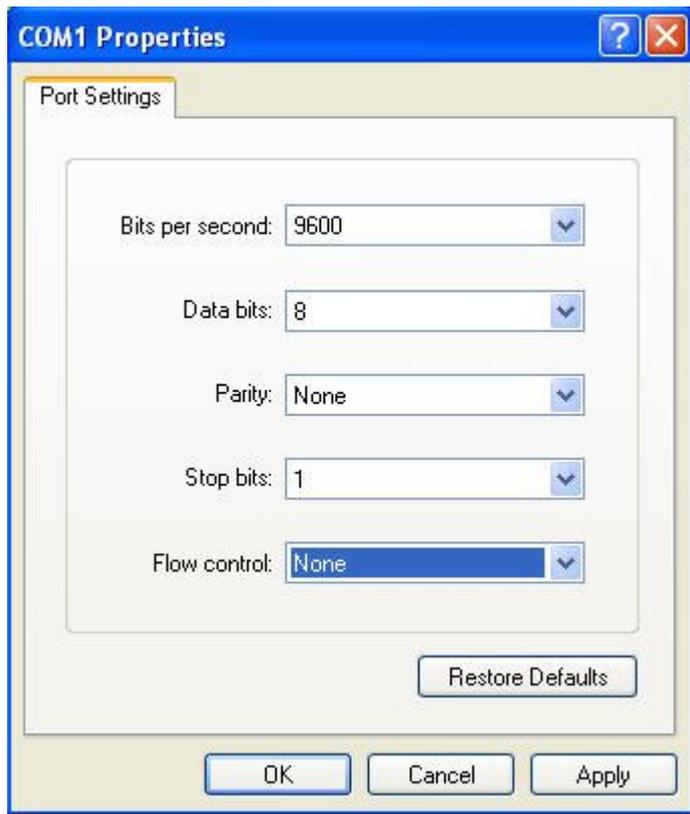




Enter test and pick any icon and click on “OK”. The next page will load and look like this.

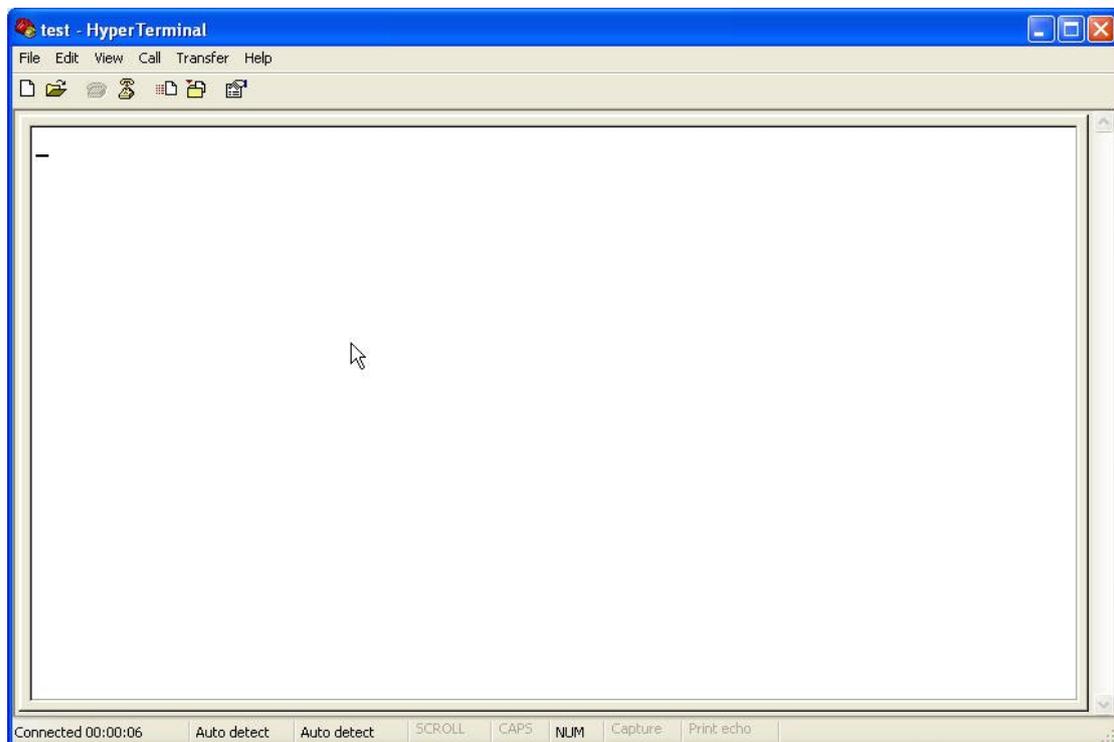


Please select “COM1” and click on “OK”



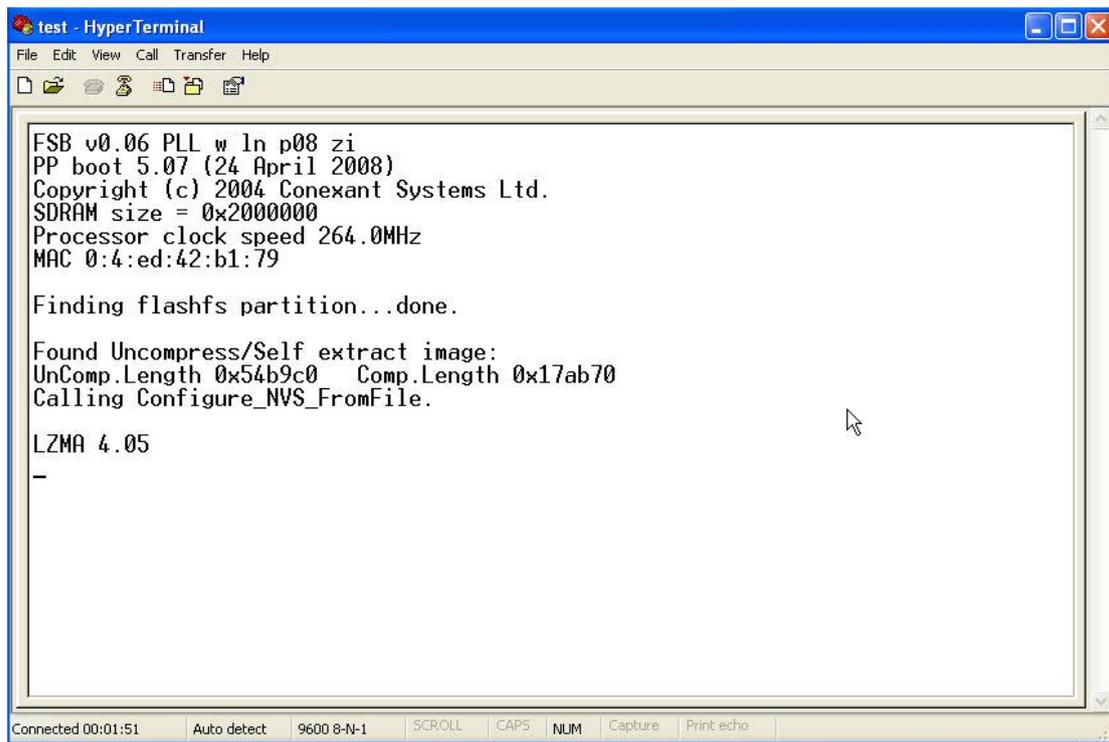
On the Bits per second please select “9600” as shown above. Also please select “None” on the Flow control and click on “OK”.

You should now have this page.



Please now turn on your device without the usb connected.

You should see the following messages.



```
test - HyperTerminal
File Edit View Call Transfer Help
[Icons]
FSB v0.06 PLL w ln p08 zi
PP boot 5.07 (24 April 2008)
Copyright (c) 2004 Conexant Systems Ltd.
SDRAM size = 0x2000000
Processor clock speed 264.0MHz
MAC 0:4:ed:42:b1:79

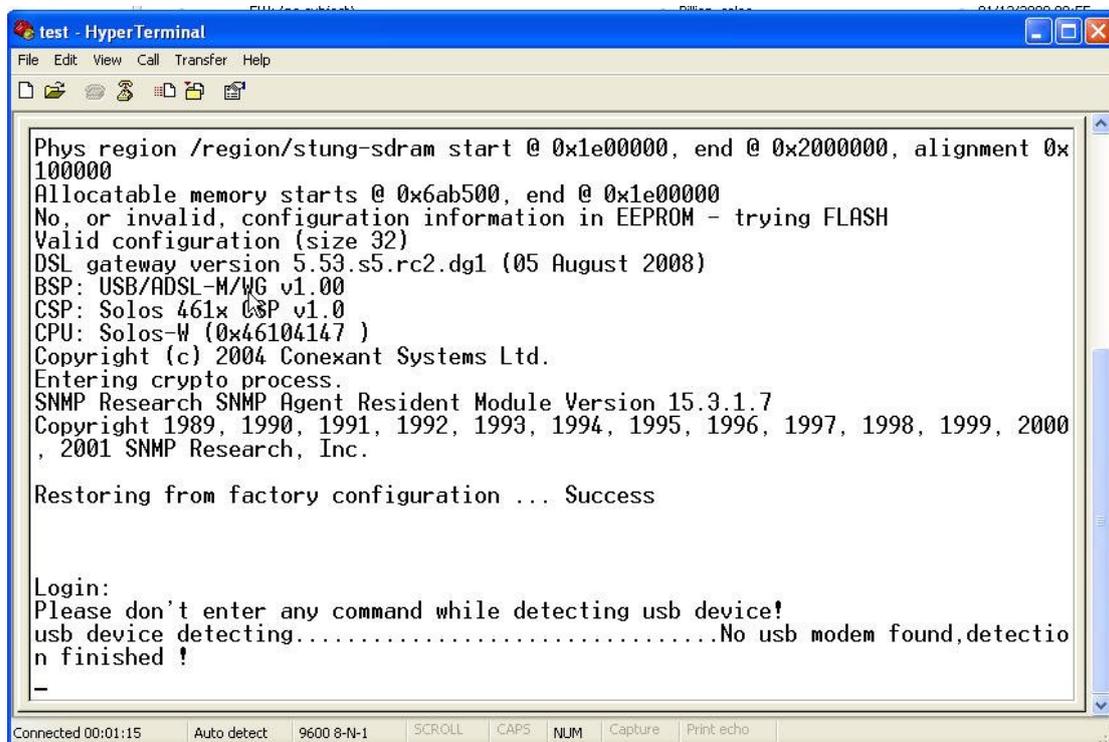
Finding flashfs partition...done.

Found Uncompress/Self extract image:
UnComp.Length 0x54b9c0  Comp.Length 0x17ab70
Calling Configure_NVFS_FromFile.

LZMA 4.05
-

Connected 00:01:51  Auto detect  9600 8-N-1  SCROLL  CAPS  NUM  Capture  Print echo
```

Please wait for a while as the unit fully boots up. Once it has failed to detect the USB dongle you will see this page.



```
test - HyperTerminal
File Edit View Call Transfer Help
[Icons]
Phys region /region/stung-sdram start @ 0x1e00000, end @ 0x2000000, alignment 0x
100000
Allocatable memory starts @ 0x6ab500, end @ 0x1e00000
No, or invalid, configuration information in EEPROM - trying FLASH
Valid configuration (size 32)
DSL gateway version 5.53.s5.rc2.dg1 (05 August 2008)
BSP: USB/ADSL-M/WG v1.00
CSP: Solos 461x CSP v1.0
CPU: Solos-W (0x46104147 )
Copyright (c) 2004 Conexant Systems Ltd.
Entering crypto process.
SNMP Research SNMP Agent Resident Module Version 15.3.1.7
Copyright 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000
, 2001 SNMP Research, Inc.

Restoring from factory configuration ... Success

Login:
Please don't enter any command while detecting usb device!
usb device detecting.....No usb modem found,detectio
n finished !
-

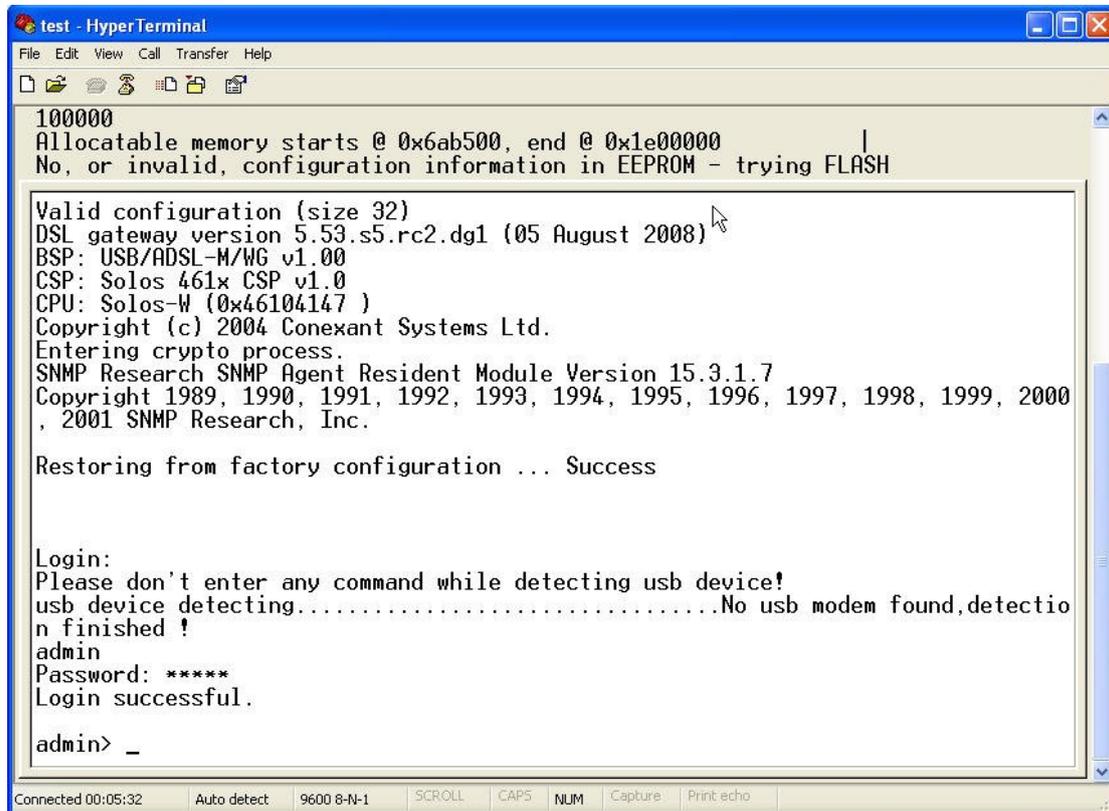
Connected 00:01:15  Auto detect  9600 8-N-1  SCROLL  CAPS  NUM  Capture  Print echo
```

If you are prompted to enter the username and password before the detection of the USB dongle please enter the default username “admin” and the password “admin”.

If not then the page will look the same as above.

Enter your username as “admin” and the password “admin”

Once you are logged in you will get the message “Login Successful”, as shown below.



```
test - HyperTerminal
File Edit View Call Transfer Help
100000
Allocatable memory starts @ 0x6ab500, end @ 0x1e0000
No, or invalid, configuration information in EEPROM - trying FLASH

Valid configuration (size 32)
DSL gateway version 5.53.s5.rc2.dg1 (05 August 2008)
BSP: USB/ADSL-M/WG v1.00
CSP: Solos 461x CSP v1.0
CPU: Solos-W (0x46104147 )
Copyright (c) 2004 Conexant Systems Ltd.
Entering crypto process.
SNMP Research SNMP Agent Resident Module Version 15.3.1.7
Copyright 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000
, 2001 SNMP Research, Inc.

Restoring from factory configuration ... Success

Login:
Please don't enter any command while detecting usb device!
usb device detecting.....No usb modem found,detection finished !
admin
Password: *****
Login successful.

admin> _
```

Connected 00:05:32 Auto detect 9600 8-N-1 SCROLL CAPS NUM Capture Print echo

The cursor should be flashing next to admin as shown above.

Then type “system trace enable usb_host debug” then press enter

Then type “console enable” then press enter

Then type “event show” then press enter

After typing those commands your page should look like this.

```
test - HyperTerminal
File Edit View Call Transfer Help
Restoring from factory configuration ... Success

Login:
Please don't enter any command while detecting usb device!
usb device detecting.....No usb modem found, det
n finished !
admin
Password: *****
Login successful.

admin> system trace enable usb_host debug
enabled logging for usb_host debug

admin> console enable
Switching from CLI to console mode - type 'exit' to return

Quantum> event show
Quantum> _

Connected 00:09:32 Auto detect 9600 8-N-1 SCROLL CAPS NUM Capture Print echo
```

Now please plug in your USB dongle into your device.

The following logs will start to appear.

```
test - HyperTerminal
File Edit View Call Transfer Help
ppp: 173414: 1: PPP 1: Warning: physical layer is down
ehci_alloc_sqtd: allocating chunk 960, 32
usb_new_device:vendor=12d1 Product=1003
convertType :Into this function vendorStr=0x12d1 productStr=0x1003
Set feature request for Huawei returned 0
no match for : 'uhub0'
USB_MATCH(ubsa)
USB_MATCH(ubsa) parent->dv_xname =uhub0

ubsa0: vendor 0x12d1 product 0x1003, rev 1.10/0.00, addr 2
ubsa.c:USB_ATTACH() VID=12d1, PID=1003 Speed=2
ubsa0: failed to set configuration: IOERROR
ubsa.c:USB_ATTACH() return USB_ATTACH_ERROR_RETURN
ubsa_detach: sc = b05a30
sd: no match for 'uhub0'
ucom: no match for 'uhub0'
usb:
_3Gdetach : Detached
uhub0: port 1, set config at addr 2 failed
uhub0: device problem, disabling port 1
-

Connected 00:11:01 Auto detect 9600 8-N-1 SCROLL CAPS NUM Capture Print echo
```

Please wait around 3 minutes.

Once three minutes are passed, please click on file, save as, and save the file to a location.

Please run this test three times and capture all three logs for us and send them back to us.

Thanks once again for helping capture these results.