



This documents describes some basic steps to use Linux Box to connect with devices via terminal and serial connection. My goal was to use RedHat Linux to connect to my packetshaper via console cable.

There are several tools, which can be used. One built-in with Red Hat is MINICOM. This is similar to Windows Hyperterminal, but all are command line oriented.

MINICOM:

Open a terminal and run minicom-s

```
[root@hawkeye root]# minicom -s
minicom: WARNING: configuraton file not found, using defaults

Welcome to minicom 2.00.0

Options: History Buffer, F-key Macros, Search History Buffer, Tl8n
Compiled on Jun 23 2002, 16:41:20

Press CTRL-A Z for help on special keys
```

This goes directly into the configuration

```
Filenames and paths
File transfer protocols
Serial port setup
Modem and dialing
Screen and keyboard
Save setup as dfl
Save setup as..
Exit
Exit from Minicom
```

```
A - Serial Device          : /dev/ttyS1
B - Lockfile Location      : /var/lock
C - Callin Program         :
D - Callout Program        :
E - Bps/Par/Bits           : 38400 8N1
F- Hardware Flow Control   : Yes
G - Software Flow Control  : No
```

Change which setting?

First, set the serial device correctly, for COM 1 set to **/dev/ttyS0**, for COM 2 set to **dev/ttyS1**. I'm using serial connection on Port COM 1.



DISCLAIMER

This Technical Tip or Technique is provided as information only. I cannot make any guarantee, either explicit or implied, as to its accuracy to specific device configurations. Readers should consult each vendor for further information or support.

Although I believe the information provided in this document to be accurate at the time of writing, I reserve the right to modify, update, correct or otherwise change the information contained within this document, and without notice. This document has been created after studying the material and / or previous evaluation for myself. All liability for use of the information presented here remains with the user.

```
A - Serial Device      : /dev/ttyS1
B - Lockfile Location  : /var/lock
C - Callin Program     :
D - Callout Program    :
E - Bps/Par/Bits       : 38400 8N1
F- Hardware Flow Control : Yes
G - Software Flow Control : No

Change which setting? A
```

When pressing A, the cursor jumps to Serial Device and you can change the settings. Next, you have to change Speed, Parity and Bits by pressing E

```
A - Serial Device      : /dev/ttyS0
B - Lockfile Location  : /var/lock
C - Callin Program     :
D - Callout Program    :
E - Bps/Par/Bits       : 38400 8N1
F- Hardware Flow Control : Yes
G - Software Flow Control : No

Change which setting? E
```

```
Current: 38400 8N1

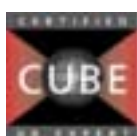
      Speed      Parity      Data
A: 300          L: None      S: 5
B: 1200         M: Even     T: 6
C: 2400         N: Odd       U: 7
D: 4800         O: Mark     V: 8
E: 9600         P: Space
F: 19200
G: 38400
H: 57600
I: 115200      Q: 8-N-1
J: 230400      R: 7-E-1

                        Stopbits
G: 38400          W: 1
H: 57600          X: 2

Choice, or <Enter> to exit?
```

Most switches, routers supporting 9600, 8-N-1, so Press E and Q. Next, you should save setup as dfl-

```
Filenames and paths
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Save setup as..
Exit
Exit from Minicom
```



```
[root@hawkeye root]# minicom
```

```
Welcome to minicom 2.00.0
```

```
Options: History Buffer, F-key Macros, Search History Buffer, T18n  
Compiled on Jun 23 2002, 16:41:20
```

```
Press CTRL-A Z for help on special keys
```

```
PacketShaper# AT S7=45 S0=0 L1 V1 X4 &c1 E1 Q0
```

```
PacketShaper#
```

