

## Configuring minicom to connect to the LBOX.

As root open minicom in setup mode as follows:

```
# minicom -s
```

You will get the main configuration menu, looking something like this:

```
-----[configuration]-----
| Filenames and paths          |
| File transfer protocols     |
| Serial port setup           |
| Modem and dialing           |
| Screen and keyboard         |
| Save setup as minilbox      |
| Save setup as..             |
| Exit                         |
| Exit from Minicom           |
-----
```

First choose "Serial Port Setup". In the resulting submenu, modify settings (probably items A, E and G) so that the submenu matches this one:

```
-----
| A -   Serial Device         : /dev/ttyS0 |
| B - Lockfile Location      : /var/lock |
| C -   Callin Program        :           |
| D -   Callout Program       :           |
| E -   Bps/Par/Bits          : 19200 8N1 |
| F - Hardware Flow Control  : No        |
| G - Software Flow Control  : Yes        |
|                               |
|   Change which setting?     |
-----
```

Of course the "/dev/ttyS0" entry should be changed if your serial port is different e.g. "/dev/ttyS1" etc. Then return to the main menu by responding to question at the bottom of the submenu with just a <CR>.

Next, choose "Modem and dialing" from the main menu. In the resulting submenu, remove the "Init string" and "Reset string" sequences so the submenu looks like this:

```
-----[Modem and dialing parameter setup]-----
|
| A - Init string .....
| B - Reset string .....
| C - Dialing prefix #1.... ATDT
| D - Dialing suffix #1.... ^M
| E - Dialing prefix #2.... ATDP
| F - Dialing suffix #2.... ^M
| G - Dialing prefix #3.... ATX1DT
| H - Dialing suffix #3.... ;X4D^M
| I - Connect string ..... CONNECT
| J - No connect strings .. NO CARRIER          BUSY
|                               NO DIALTONE       VOICE
|
| K - Hang-up string ..... ~~~~~~ATH^M
| L - Dial cancel string .. ^M
|
| M - Dial time ..... 45          Q - Auto bps detect ..... No
| N - Delay before redial . 2      R - Modem has DCD line .. Yes
| O - Number of tries ..... 10    S - Status line shows ... DTE speed
| P - DTR drop time (0=no). 1      T - Multi-line untag .... No
|
| Change which setting?          (Return or Esc to exit)
|
-----
```

Then return to the main menu and choose "Save setup as ..". You will then be prompted for a name. Let's say you choose "minilbox". After making that choice, you'll be back at the main menu.

Finally, from the main menu, choose "Exit from Minicom".

If you need to redo the configuration, then as root, enter  
# minicom -s minilbox  
and go through the steps above as appropriate.

Once you're happy with your configuration, you can start minicom as a non root user via:  
\$ minicom minilbox

If you get a complaint that /dev/ttyS0 doesn't exist, you may need to change the permissions on /dev/ttyS0 e.g. as root:  
chmod 666 /dev/ttyS0

If you get a message that the device is locked, remove the lock file from /var/lock/.