USING ZMODEM WITH THE WB45NBT

Application Note *v1.1*

CONFIGURING THE SCREEN UTILITY TO HANDLE ZMODEM TRAFFIC

Using the screen utility on a Linux box, this example displays how to transfer a file using the zmodem protocol to a WB45NBT connected through a serial connection to the debug UART.

Use **`screen`** to connect to the WB45 UART

```
#screen /dev/ttyUSB0 115200
```

Log into the WB45NBT using the following credentials:

```
Summit Data Communications
summit login: root
Password:
#
```

Enable screen to handle the zmodem traffic using the following:

```
CTRL-a:zmodem catch
```

IMPORTANT NOTE ABOUT "NO SERIAL OUTPUT"

In some BB45NBT boards, the UART_3V3 jumper nearest the Debug UART port can become loose or unseated, which results in no serial output.

If you find you have no serial output, check that this jumper is very tightly seated (Figure 1).

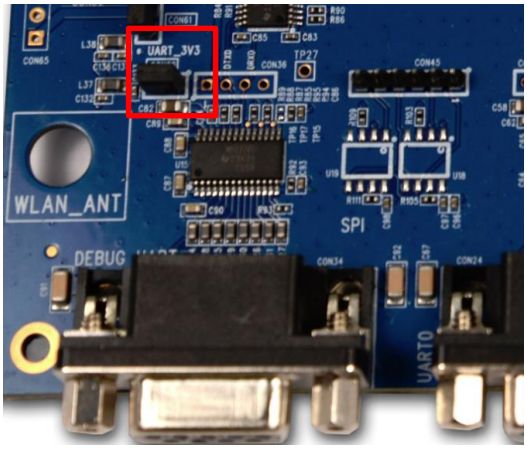

Figure 1: UART_3V3 Jumper

RECEIVING A FILE ON THE WB45NBT USING ZMODEM

Issue the **rz** command on the WB45NBT:

```
# rz
rz waiting to receive.**B0
000023be50
:!!! sz -vv -b
```

Specify the path of the file to send to the WB45NBT:

```
:!!! sz -vv -b /home/tim/foo.txt
```

The file is sent and statistics are reported to the console.

```
Sending: foo.txt
Bytes Sent:     48   BPS:1744

Transfer complete
#
```

SENDING A FILE FROM THE WB45NBT USING ZMODEM

Use the **sz** command and specify a file name to send a file from the WB45NBT.

```
# sz /root/foo.txt
```

The file is sent and statistics are reported to the console.

```
**B0
Receiving: foo.txt
Bytes received:      48/     48   BPS:4929

Transfer complete
```

REVISION HISTORY

Revision	Date	Description	Approved By
1.0	13 April 2015	Initial Release	Andy Dobbing
1.1	20 April 2015	Added Rev History Table	Sue White