

## Using HandyPort

The OM-SQ-RF-ADAP Handyport Wireless adaptor provides wireless communications via the data logger's serial port.

The OM-SQ-RF-ADAP HandyPort has a factory default of 9600 Baud.

To use from the box you will need to change the OMEGALOG<sup>®</sup> serial baud rate to 9600 (the OM-SQ2010/SQ2020/SQ2040 series data loggers normally communicates at 115k baud).

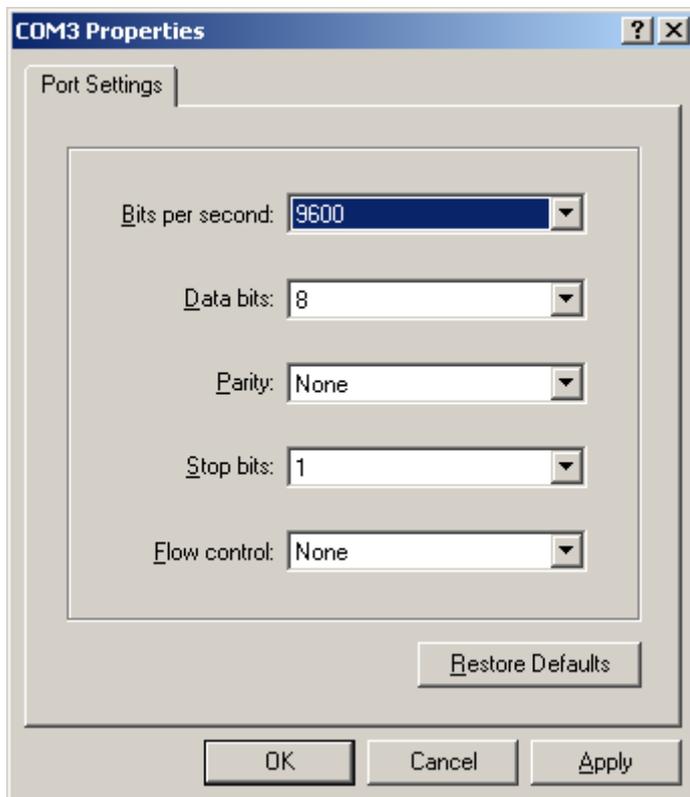
See *Modifying RS232 Baud Rates* in OMEGALOG<sup>®</sup> Help to change the baud rate.

**Note:** that if the Baud Rate Override is set, it should be set back to the loggers default baud rate if direct serial communications are subsequently used.

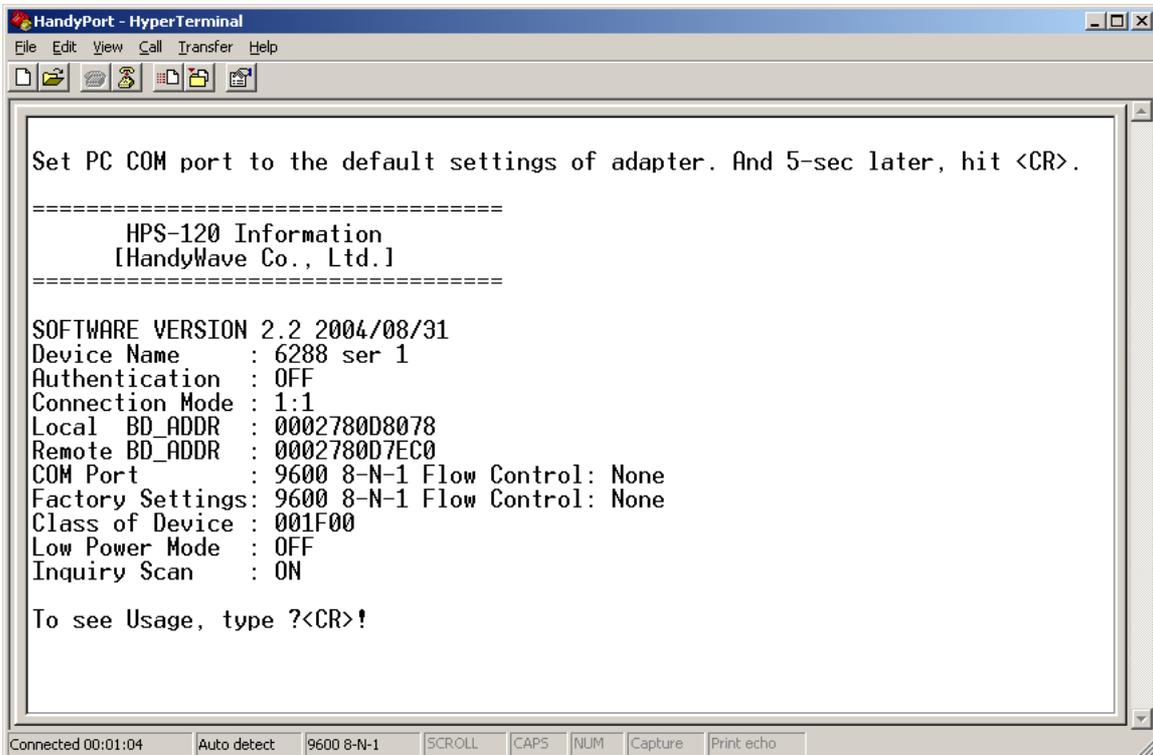
If you wish to use the default serial speed of 115K (recommended for downloading data, use the following procedure if not scroll down to *Using the Handyport*.

Plug the Handyport into the Com port of the PC and connect the power to the Handyport.

Open up a Hyper Terminal program and set up as below.



Push the RST button of the Handyport if it is communicating correctly the link LED (on the Handyport) will start to flash every second press the *Enter* Key after 5 seconds.

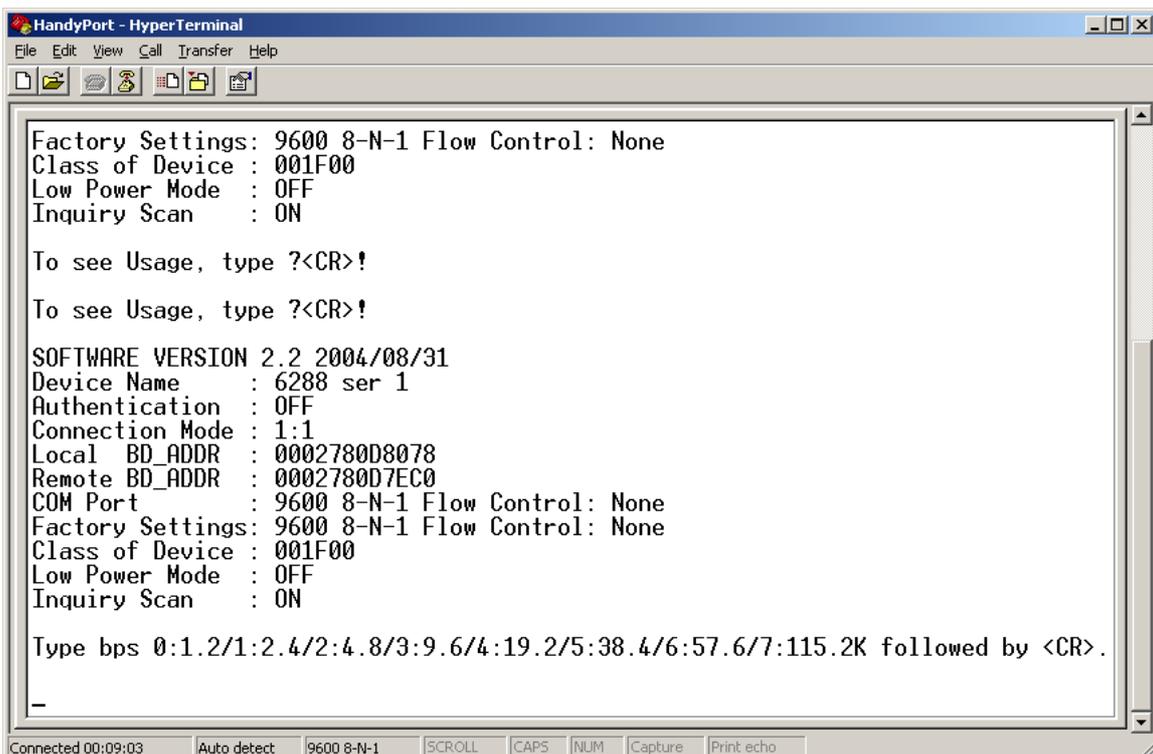


```
HandyPort - HyperTerminal
File Edit View Call Transfer Help
Set PC COM port to the default settings of adapter. And 5-sec later, hit <CR>.
=====
                HPS-120 Information
                [HandyWave Co., Ltd.]
=====
SOFTWARE VERSION 2.2 2004/08/31
Device Name      : 6288 ser 1
Authentication   : OFF
Connection Mode  : 1:1
Local BD_ADDR    : 0002780D8078
Remote BD_ADDR   : 0002780D7EC0
COM Port         : 9600 8-N-1 Flow Control: None
Factory Settings: 9600 8-N-1 Flow Control: None
Class of Device  : 001F00
Low Power Mode   : OFF
Inquiry Scan     : ON

To see Usage, type ?<CR>!
```

Connected 00:01:04 | Auto detect | 9600 8-N-1 | SCROLL | CAPS | NUM | Capture | Print echo

Type 'B' and press the *Enter* Key.



```
HandyPort - HyperTerminal
File Edit View Call Transfer Help
Factory Settings: 9600 8-N-1 Flow Control: None
Class of Device  : 001F00
Low Power Mode   : OFF
Inquiry Scan     : ON

To see Usage, type ?<CR>!

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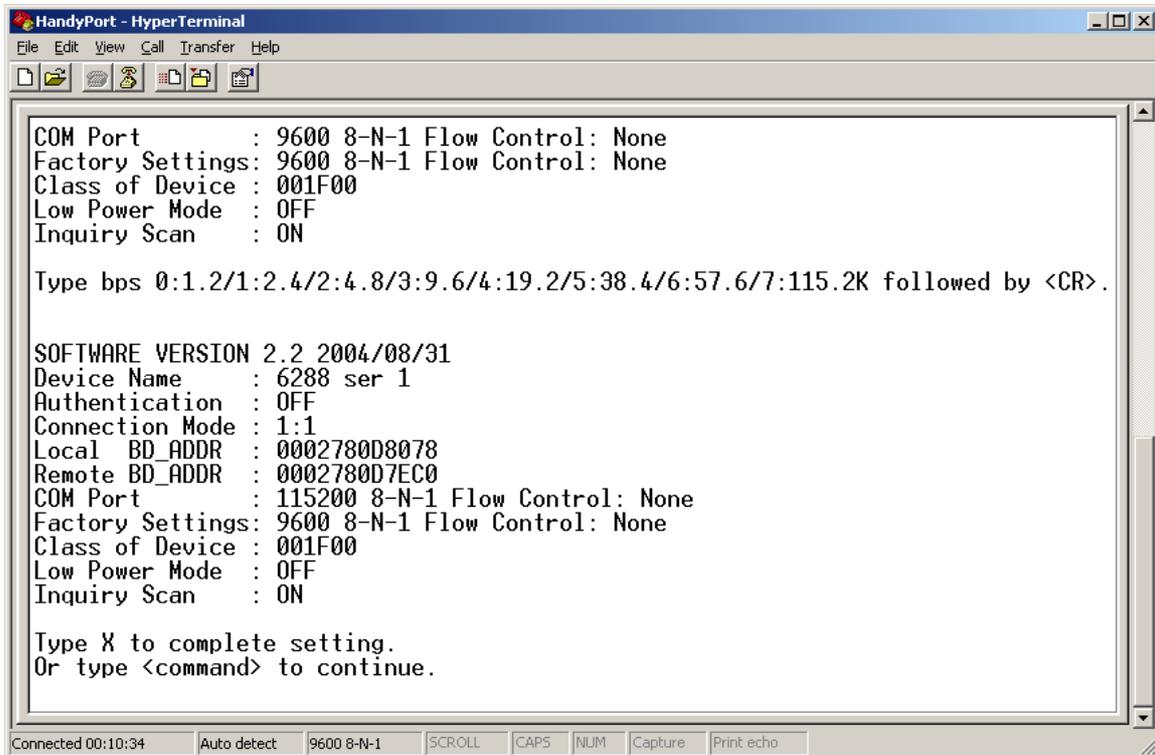
SOFTWARE VERSION 2.2 2004/08/31
Device Name      : 6288 ser 1
Authentication   : OFF
Connection Mode  : 1:1
Local BD_ADDR    : 0002780D8078
Remote BD_ADDR   : 0002780D7EC0
COM Port         : 9600 8-N-1 Flow Control: None
Factory Settings: 9600 8-N-1 Flow Control: None
Class of Device  : 001F00
Low Power Mode   : OFF
Inquiry Scan     : ON

Type bps 0:1.2/1:2.4/2:4.8/3:9.6/4:19.2/5:38.4/6:57.6/7:115.2K followed by <CR>.

-
```

Connected 00:09:03 | Auto detect | 9600 8-N-1 | SCROLL | CAPS | NUM | Capture | Print echo

Type '7' (for the baud rate 115200) and press the *Enter* Key.



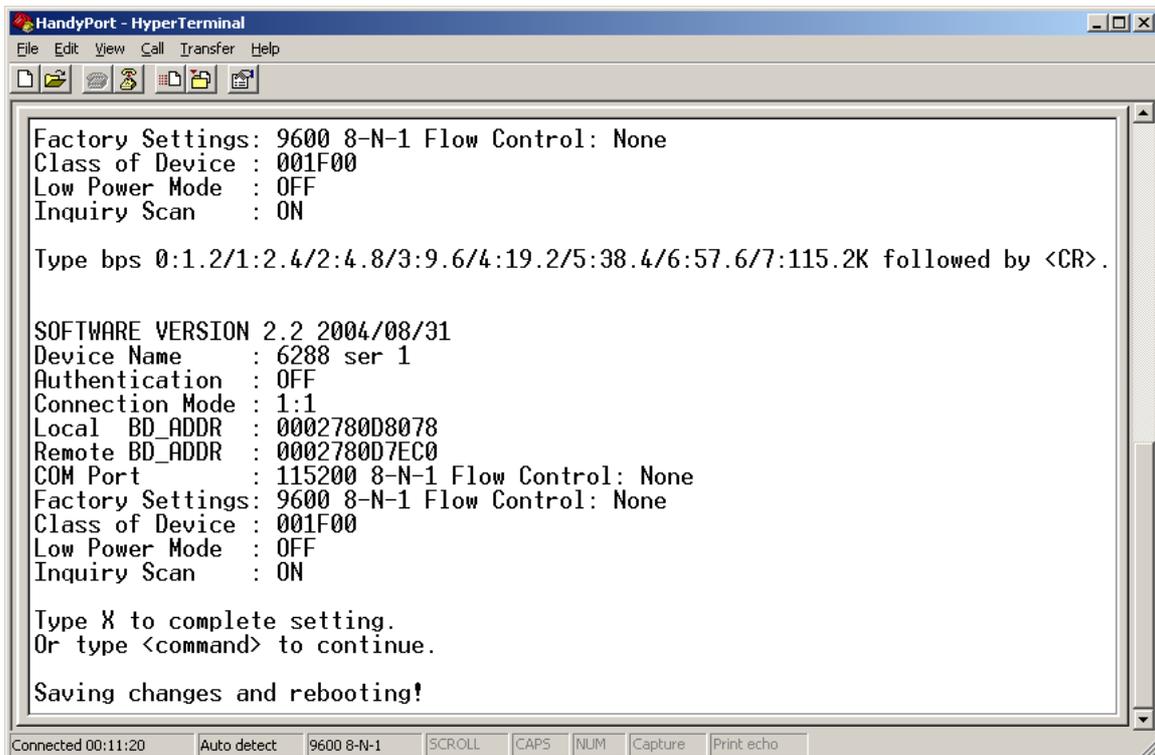
```
COM Port      : 9600 8-N-1 Flow Control: None
Factory Settings: 9600 8-N-1 Flow Control: None
Class of Device : 001F00
Low Power Mode  : OFF
Inquiry Scan   : ON

Type bps 0:1.2/1:2.4/2:4.8/3:9.6/4:19.2/5:38.4/6:57.6/7:115.2K followed by <CR>.

SOFTWARE VERSION 2.2 2004/08/31
Device Name    : 6288 ser 1
Authentication : OFF
Connection Mode : 1:1
Local BD_ADDR  : 0002780D8078
Remote BD_ADDR : 0002780D7EC0
COM Port       : 115200 8-N-1 Flow Control: None
Factory Settings: 9600 8-N-1 Flow Control: None
Class of Device : 001F00
Low Power Mode  : OFF
Inquiry Scan   : ON

Type X to complete setting.
Or type <command> to continue.
```

Type 'X' (to save the setup) the press the *Enter* Key.



```
Factory Settings: 9600 8-N-1 Flow Control: None
Class of Device : 001F00
Low Power Mode  : OFF
Inquiry Scan   : ON

Type bps 0:1.2/1:2.4/2:4.8/3:9.6/4:19.2/5:38.4/6:57.6/7:115.2K followed by <CR>.

SOFTWARE VERSION 2.2 2004/08/31
Device Name    : 6288 ser 1
Authentication : OFF
Connection Mode : 1:1
Local BD_ADDR  : 0002780D8078
Remote BD_ADDR : 0002780D7EC0
COM Port       : 115200 8-N-1 Flow Control: None
Factory Settings: 9600 8-N-1 Flow Control: None
Class of Device : 001F00
Low Power Mode  : OFF
Inquiry Scan   : ON

Type X to complete setting.
Or type <command> to continue.

Saving changes and rebooting!
```

Repeat the procedure with the second Handyport.  
Exit the Hyper Terminal program.

## Using the Handyport

1. Connect the Handyport to the RS232 Serial Com port of the PC with an OM-SQ-SER-CABLE (9-pin standard serial) cable and connect the power supply (USB lead or separate power pack).
2. Connect the second Handyport to the data logger with a modem serial cable then connect the power supply (this could be from the same power pack as used with the data logger or a separate power pack).
3. The green LINK led will come on when the contact between the Handyports has been established.

Select the appropriate Serial Com port using the OMEGALOG<sup>®</sup> *Communication Wizard*. Select the '*default*' tick box if you wish to always use this setting for communications.

Test connection by selecting *Logger Control* from the OMEGALOG<sup>®</sup> Assistant.