

Downloading Using Hyperterminal

- **This document explains the use of the HyperTerminal program together with the ZMODEM file transfer utility installed on the FieldServer.**

The ZMODEM utility (smczm.exe) has the following default settings:

- COM1, 115200 baud, 8 data bits, no parity and 1 stop bit.

The baud rate, port selection, file transfer direction, timeout and verbose mode can set to user requirements. The batch files rz.bat and sz.bat facilitate setting some of these parameters for receiving and transmitting files.

- **Configure HyperTerminal to use a COM port on your PC, by selecting:**

Direct connection to COM1 or COM2

Baud rate: 115200 (FieldServer default baud rate)
 Data bits: 8
 Parity: None
 Stop bit: 1
 Flow control: None

- **If Serial Output is required (i.e. no VGA card is present), DTR (Pin 3) needs to be linked to DSR (Pin 6) on the serial cable; else the FieldServer will not produce any output**

- **To transfer file to the FieldServer from Host Computer (Download)**

Navigate through the HyperTerminal menu by selecting: Transfer, Send File

Select on the desired file

Ensure that the Protocol is set to ZMODEM

Click on Send

The above will result in the file being written on the root directory of Drive C. HyperTerminal automatically inserts the 'rz' command at the DOS prompt prior to the file transfer.

To transfer a file to a specific directory, enter the following command at the DOS prompt: smczm -dr c:\directory*.* , then download desired file as described above.

To download multiple files: in the Transfer, Send File menu, navigate to the desired directory on the Host Computer, type *.* in the Filename field, then click on Send. All the files in that directory will be downloaded to the FieldServer, either in the root directory or specific sub-directory (depending if a specific path was specified).

- **To transfer file from FieldServer to Host Computer (Upload)**

Select the correct directory for receiving files on the Host Computer by navigating in HyperTerminal, Transfer, Receive File; ensuring that the Protocol is ZMODEM with Crash Recovery. Click on Receive.

At the DOS prompt, type:

```
sz filename // for uploading specific filename in that directory
sz *.* // for uploading an entire directory
smczm -ds c:\directory\*.* // for uploading specific directory, etc. The ZMODEM file transfer
```

utility

Usage: smczm [options] filename

The following options are available:

```
-b set baud rate // e.g. -b115200
-c set port address, IRQ // e.g. -c2f8,3
-d set direction S/R // e.g. -dr for receive, -ds for transmit
-t set timeout // e.g. -t60, 60 second timeout
-x quiet mode
```