



7700 Riverfront Gate
Burnaby, BC
V5J 5M4, Canada
T: 604 436 5900
F: 604 436 1233
www.alpha.ca

member of The  Group™

Inex Controller Software v5.02

Argus Technologies is pleased to announce the release of our newest software version for the INEX (INEX model MC-1000A) controller. This version is the successor to v5.01 which uses a different numbering indicating v0.06.

Enhancements

- Controller firmware upgrade to enhance the S/N query timing and the acquisition timing of module detection for Inverters. Note: Inverter Lost alarm is available to be mapped to a relay.

Software

Download from <http://www.alpha.ca/downloads/>

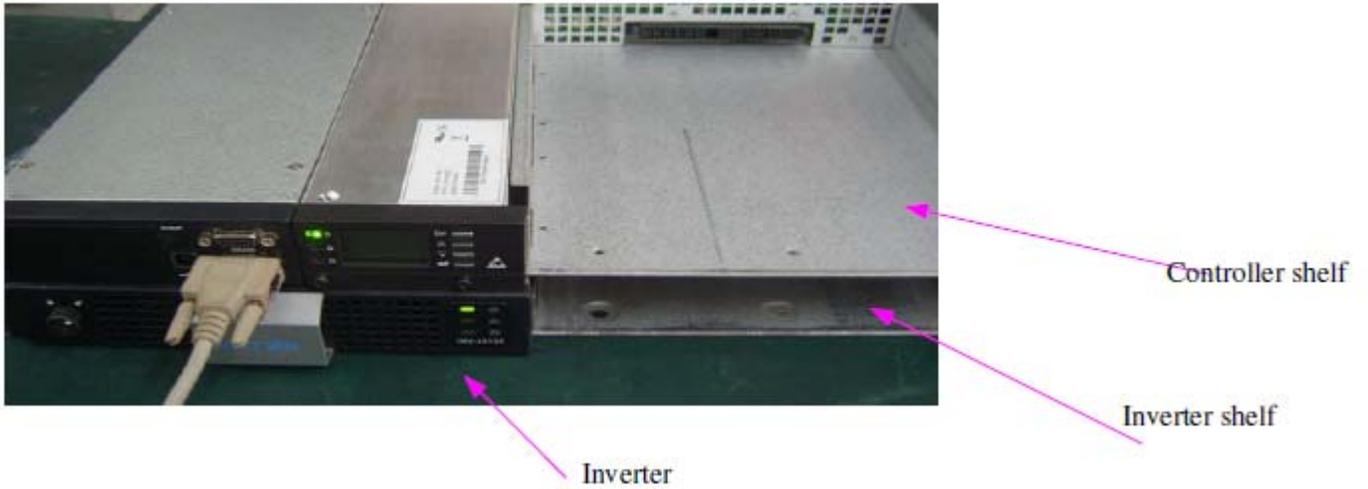
1. Download 0502906.a79 software.
2. If needed, copy the Software to a floppy or CD.

Upgrade procedures using theHyperterminal:

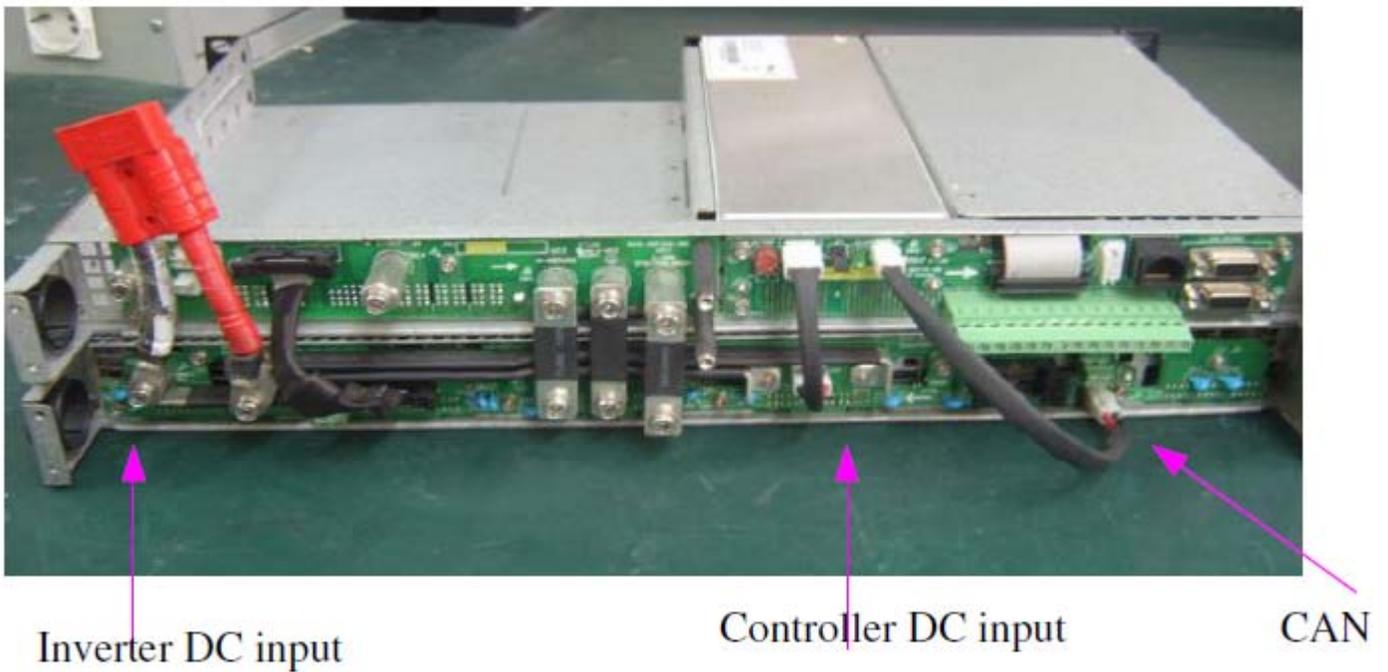
The reflash and test device

To reflash the controller, these devices should be used:

- Controller shelf (include IFC).....1PCS
- Inverter shelf.....1PCS
- Inverter.....1PCS
- RS232 cable.....1PCS
- PC computer.....1PCS



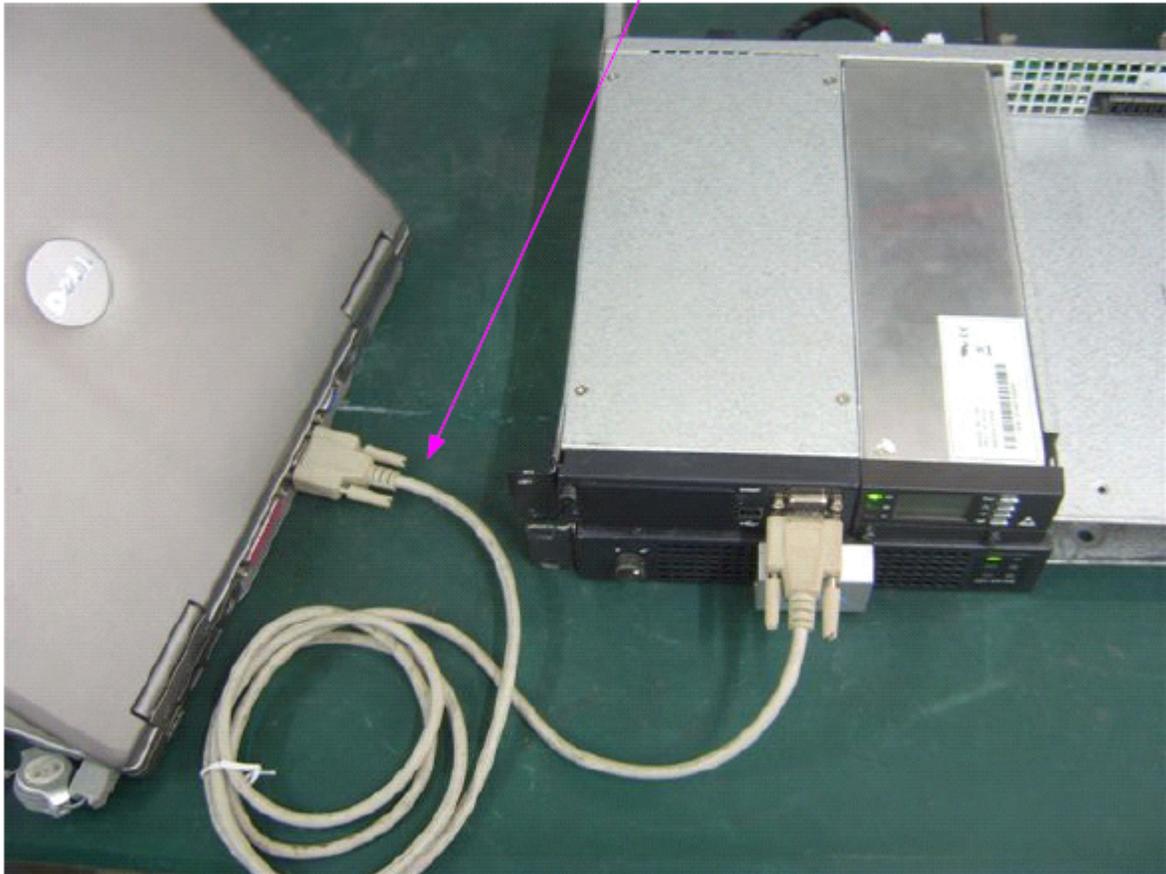
To connect the two shelves as these, to ensure can test the controller's communication function after reflash.



Insert the inverter in the shelf, when power on at the controller reflash process, the inverter will work. After reflash finished, can test the controller's communication function of the inverter.

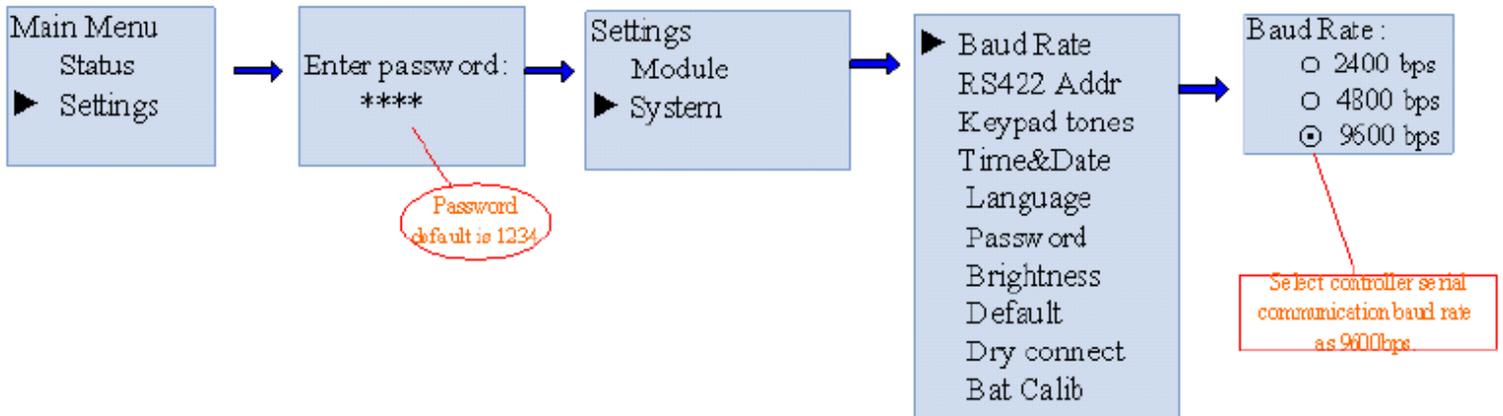
Connect the PC RS232 port and Controller RS232 port via serial cable

Serial communication cable



Setting the baud rate of controller

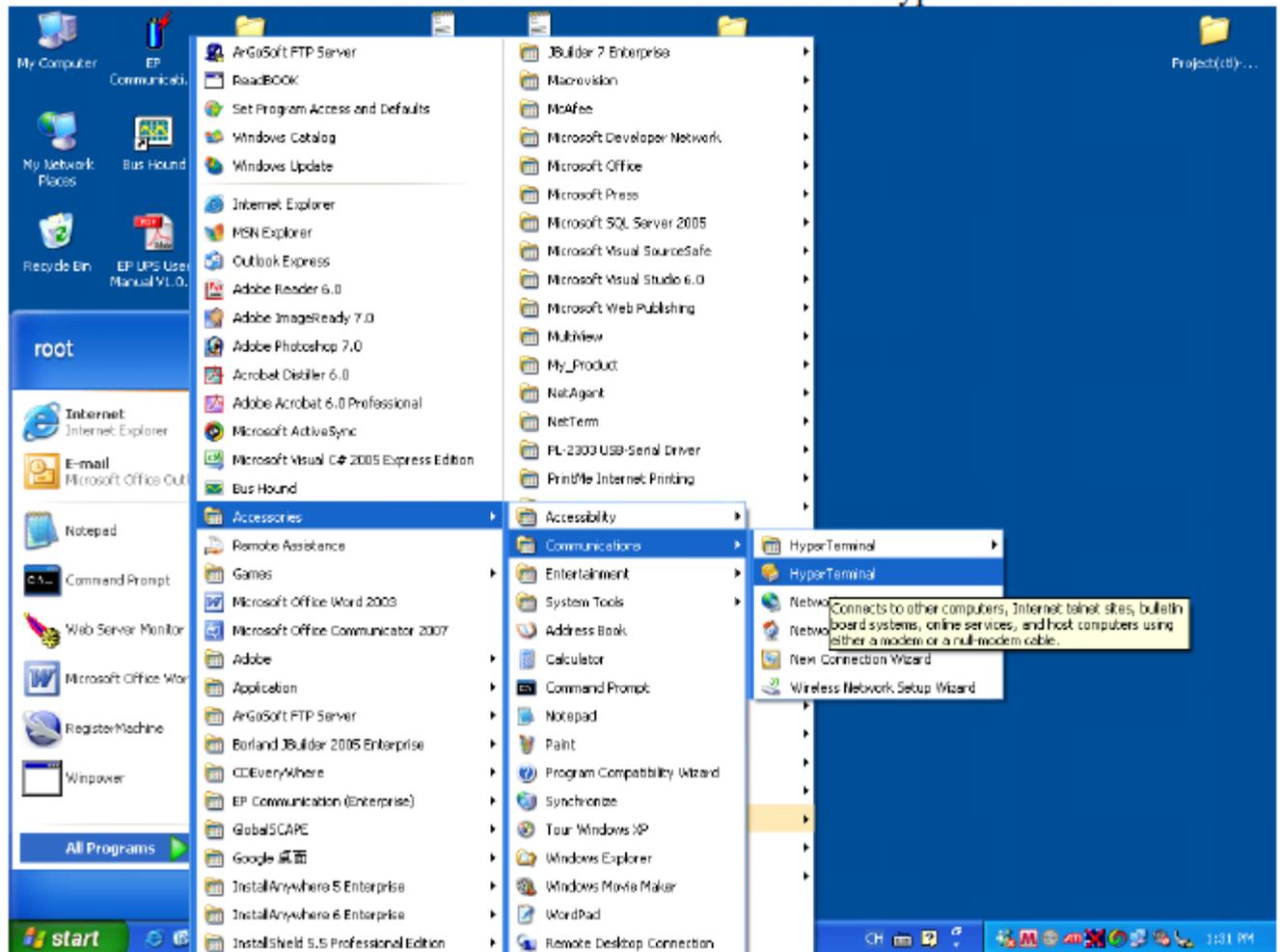
Power on controller and set the baud rate to be 9600bps. Please see the following steps for details



Setting up hyper terminal in your computer

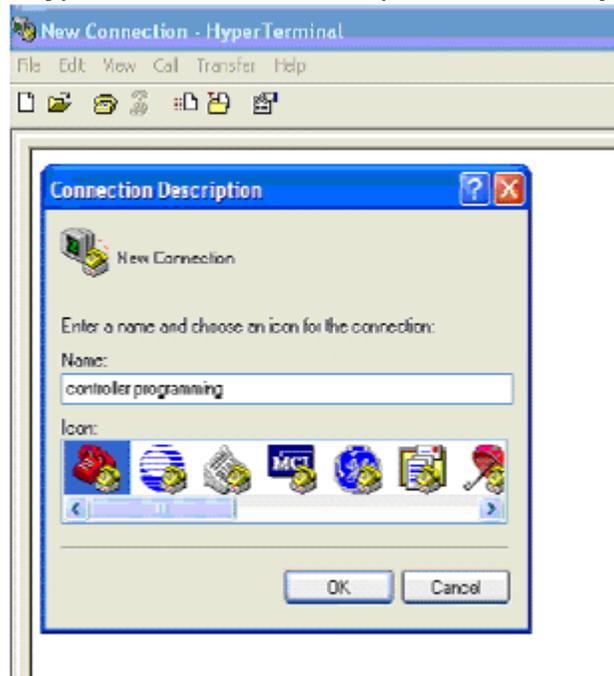
Run hyper terminal in your computer.

Select Start->Accessories->Communication->Hyper Terminal



Entitle your Hyper Terminal

Input a name for your new Hyper Terminal, for example “**controller programming**”



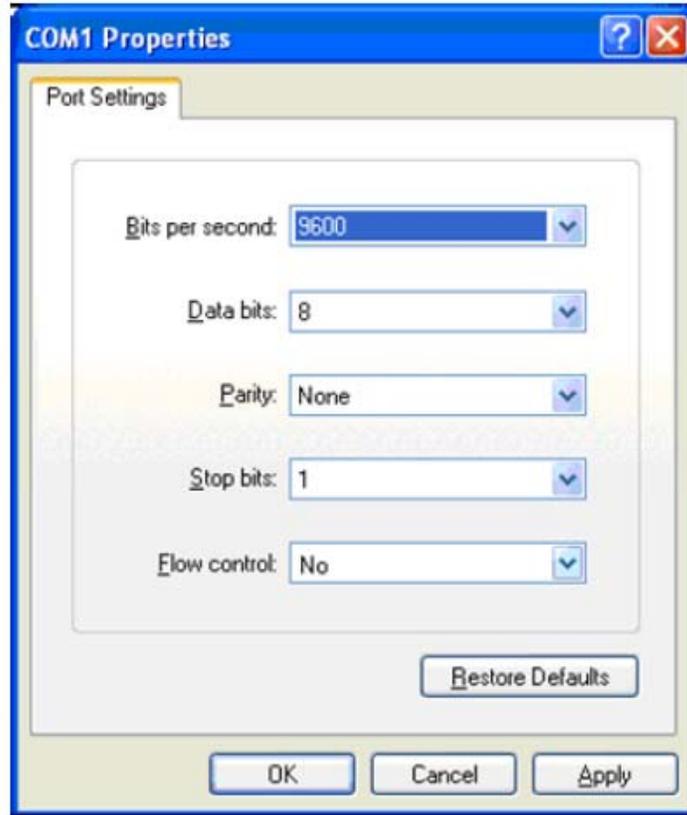
Select connect using.

Click “OK” button, then you will see the following scene, select the communication serial port, for example “COM1”.you have to confirm if “COM1” exist in your personal computer.

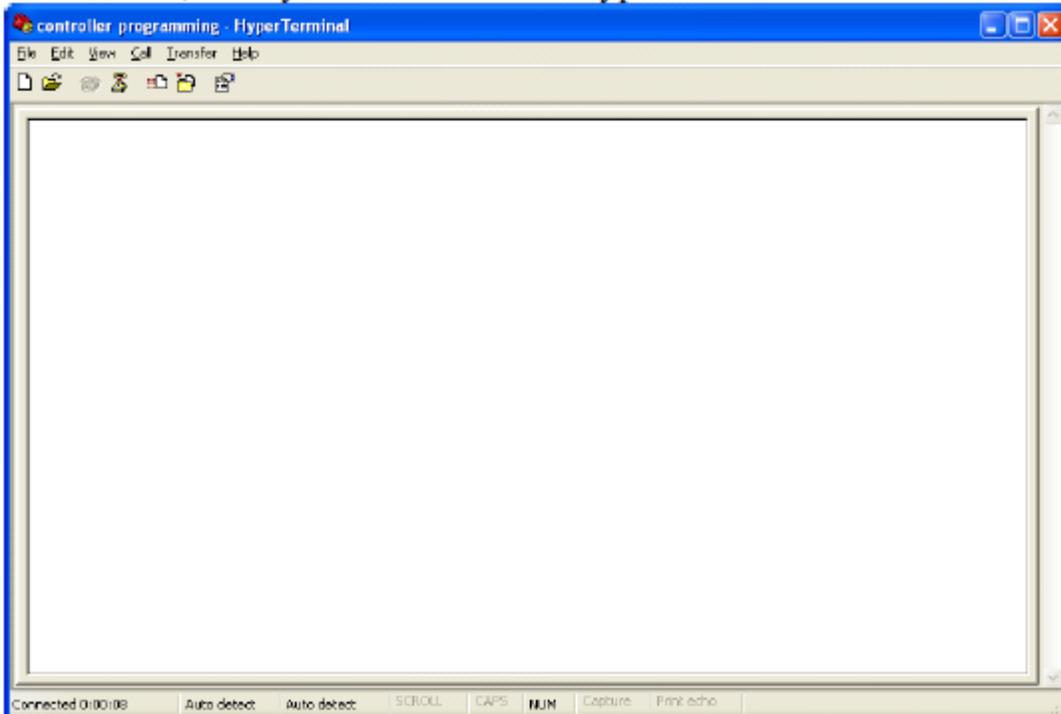


Setting the connect port properties.

Click OK button, serial port setting is shown in your desktop, you would select speed of transmission as “9600” bits per second, select flow control as “No”, please refer to the following example.

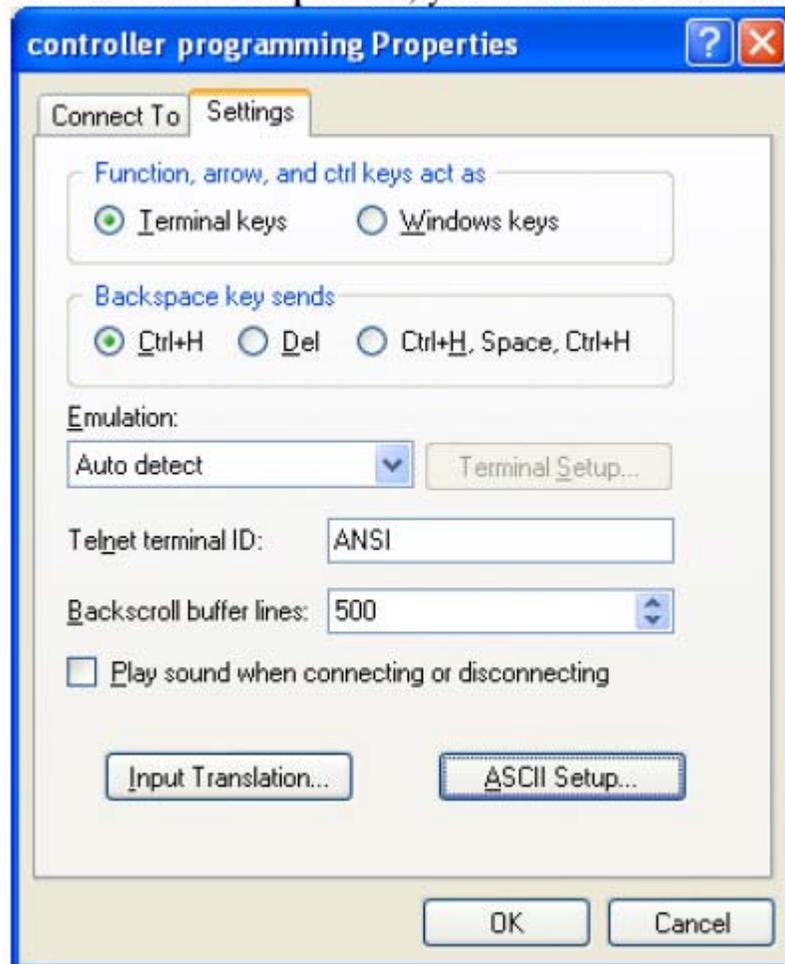


Click “OK”, then you would see the hyper terminal main scene as below:



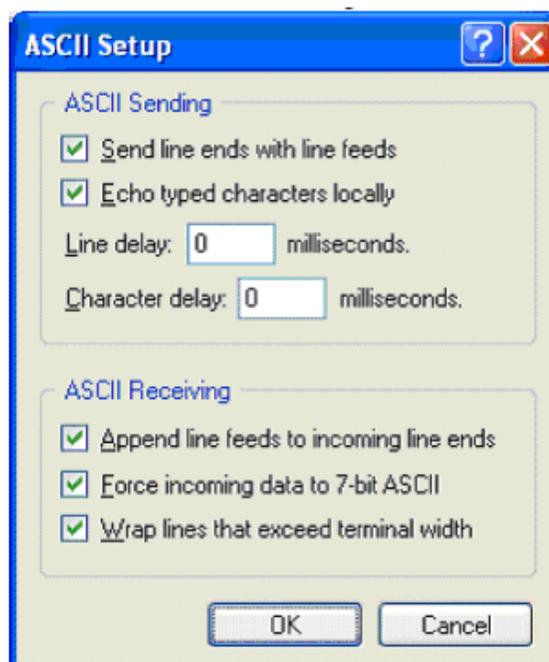
Setting the hyper terminal properties.

Select **File-> Properties**, you will see the following display.

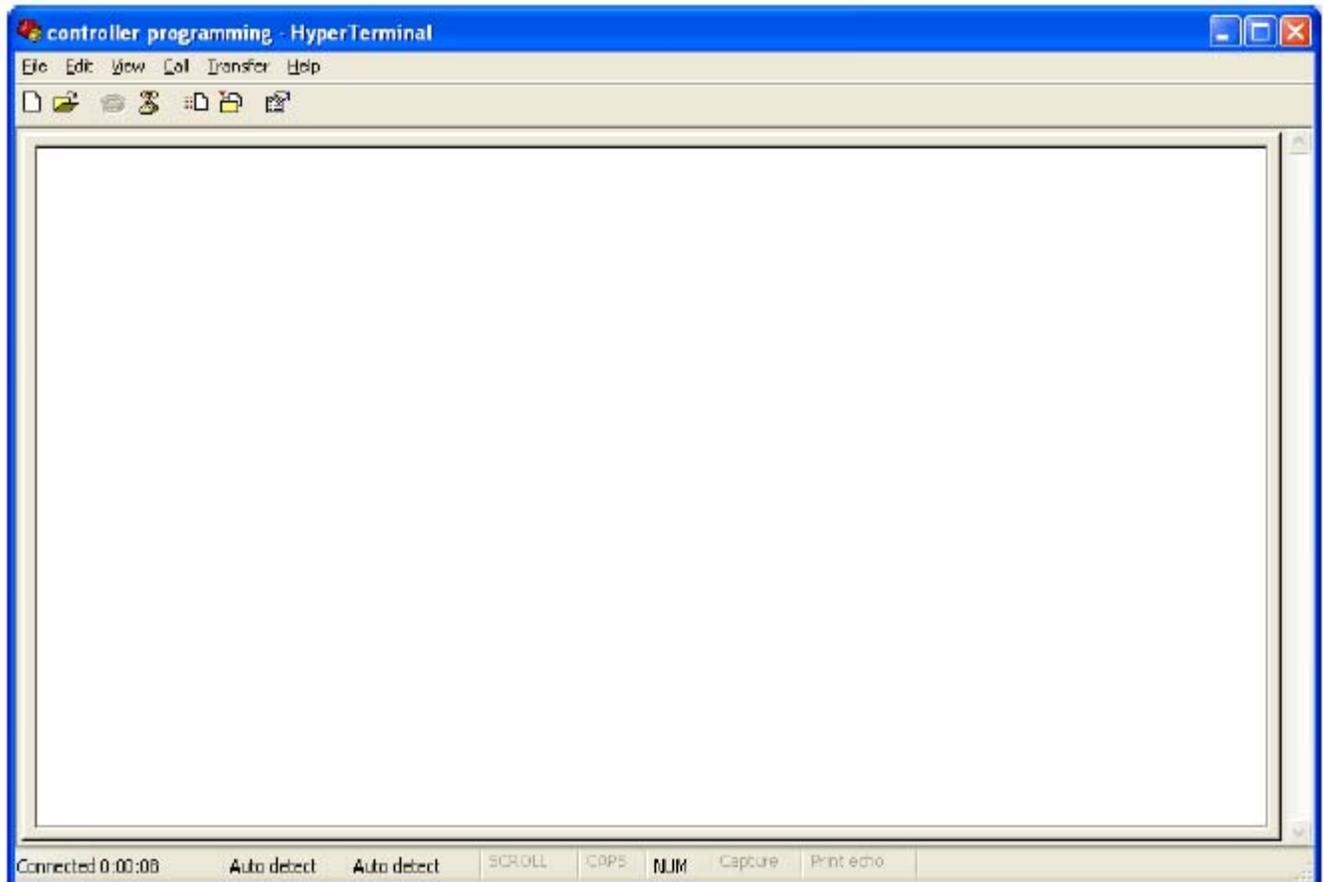


Configuring ASCII setup

Click "ASCII Setup", and set the items as follows:



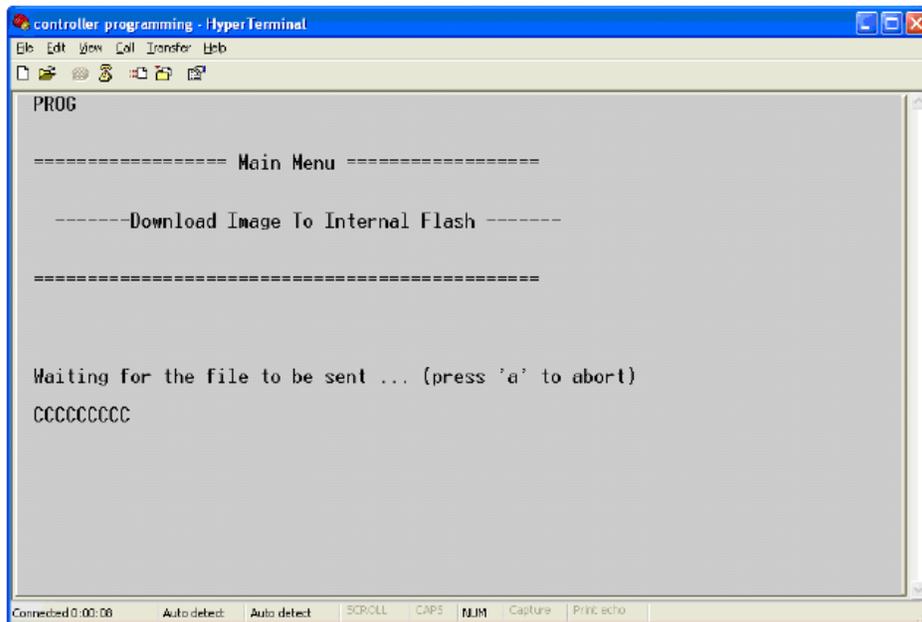
Click “OK” button to finish serial port settings, and then you will see the following picture, Ok, congratulate you for your succeeding in configuring Hyper terminal!



Starting to update the firmware of controller.

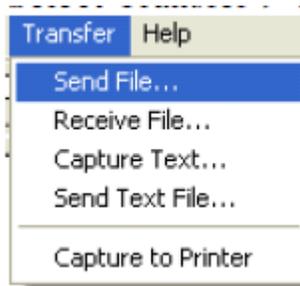
Send starting to program instruction to controller.

Input “PROG”, and press “Enter” key, then the controller will respond with “Download Image to Internal Flash”.

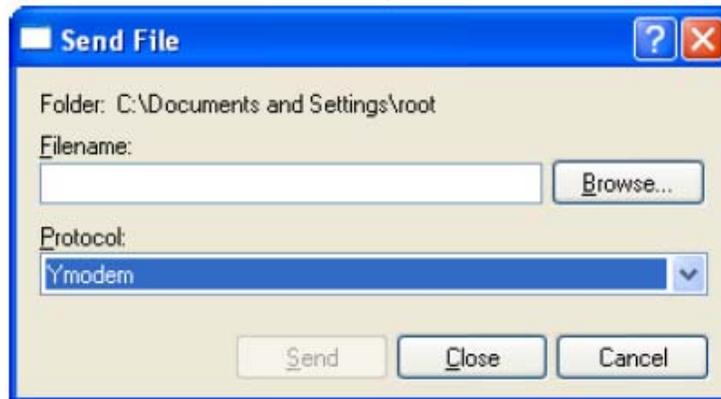


Send the updating file to controller.

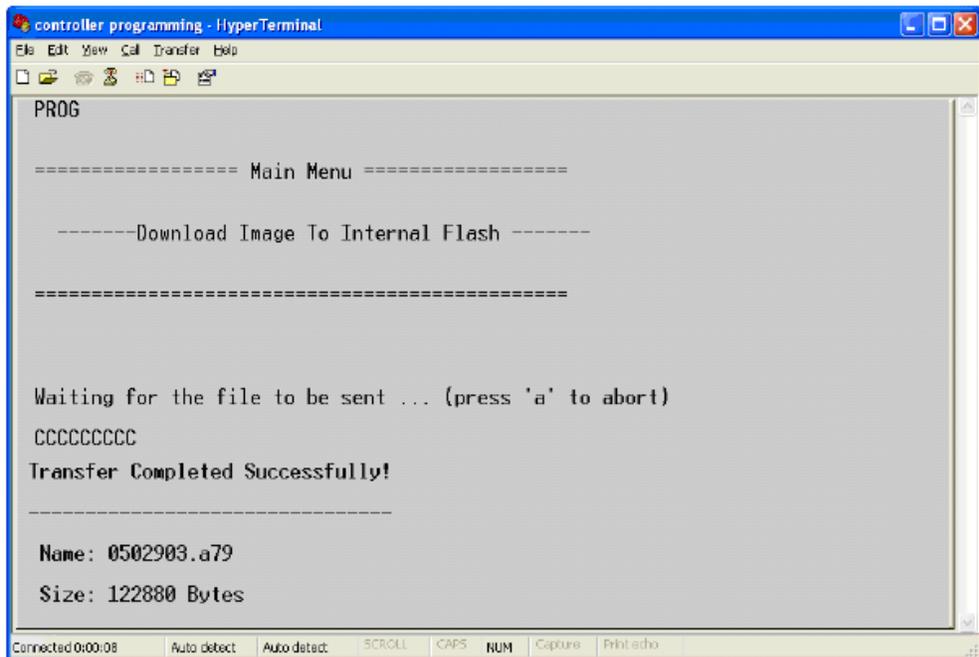
- ◆ Select Transfer-> Send File.



Select the programming file (xxxx.a79) to be sent, “Ymodem” must be selected for Protocol item.

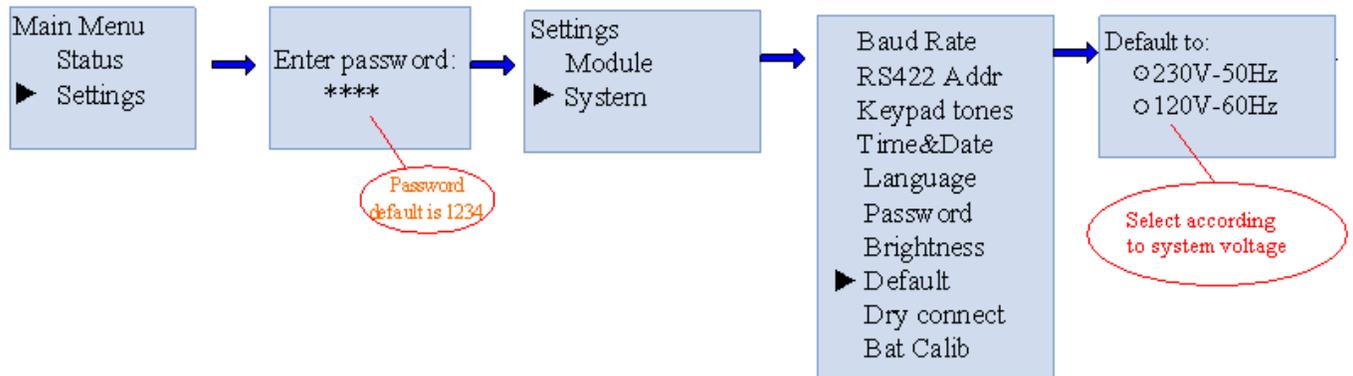


Click “Send”, and the file start to be transferred. After about 2 minute, the transmission will be over; the following information will be displayed, the size will be different as different version firmware.



Update firmware from 5.01(or below version) to 5.02(or above version).

If update firmware from 0.00/0.01/0.02/0.03 to 5.02 or above version, user should reset controller to default setting by below procedure. Otherwise, skip it.



Replace the controller with another and repeat item 4 for updating another controller.

Test the communication function of the controller

After reflash the program, the LCD will show the inverter "INV OPV xxx.xV", SMR and STS show "float" this can confirm the CAN communication with the inverter is OK.



You have now successfully upgraded the INEX controller and thank you for choosing Alpha Technologies

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