

# **I-7188E CHANGING FIRMWARE**

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## **1. INTRODUCTION**

This document summarizes the instructions in the ICP Software Manuals to help you update or change the firmware in the I-7188E Ethernet to Serial Converter and eliminate hunting for answers.

## **2. INSTALLING THE MINIOS7\_UTILITY**

You should have the MiniOS7 Utility installed on your PC. If you do not, install it now from the ICP CD. The installer is in:

D:\NAPDOS\utility\MiniOS7\_utility\

## **3. FINDING YOUR FIRMWARE**

Find the firmware for your module on the CD. The path is:

D:\NAPDOS\7188e\TCP\VxComm\Server(7188e)\

Find the subdirectory for your module model number. Copy the folder to the FIRMWARE folder in the ICPDAS folder on your PC. The path is:

C:\ICPDAS\MiniOS7\_Utility\FIRMWARE\

## **4. WIRING THE MODULE**

Connect the included open-end RS-232 cable to the unit as shown in paragraph 3.2 of the I-7188 Series Hardware Manual. The TX lead to TXD1, the RX lead to RXD1 and the GND lead to the GND terminal. Put a short (.5 inch) bare wire in the INIT terminal. If you are using clip leads from a DC power supply, put a short (.5 inch) bare wire in the Vs+ terminal and slid the GND lead out so you can clip on it. If you are using the AC power adapter, put the

plus lead into the Vs+ terminal and the minus lead into the GND terminal. Do not apply power to the module at this time.

Plug the RS-232 cable into COM 1 on your PC. Use a clip lead to jumper the INIT terminal to GND. You do not need the Ethernet cable at this time.

## **5. CHANGING THE AUTOEXEC FILE**

Drag the Autoexec.bat file for your unit from the new FIRMWARE folder to Notepad or use Notepad to open the file. The file should be:

```
runexe /4 /ST300
```

If you want to add the M1 option to it, add a '/M1' at the end of the line. i.e.

```
runexe /4 /ST300 /M1
```

Save the file.

## **6. RUNNING MINIOS7\_UTILITY**

Double click the icon on your desktop to run the MiniOS7\_Utility. It opens and displays two windows. The left window are files on your PC, the right window is for the files on your module. To see your unit, click Connection on the menu bar. Accept the settings and the right window should now have a list of the files in your module. In the left window, you want to navigate to the new model folder you installed in the FIRMWARE folder. Your model folder should have the same operating system and the revised autoexec.bat file. If it does not display the correct files, STOP and fix the problem.

In the right window, highlight the files in the unit and click the Delete button at the bottom of the screen to delete the files. In the left window, highlight the files to be added and then click the Upload button at the bottom of the screen. If you have any questions, click on the Help button in the Menu bar.

## **7. DONE**

At this time you can power the unit off and disconnect the test cables.