

## Appendix E: Updating MiniOS7 and firmware

In following situations, we release the new version firmware and MiniOS7 image.

- Supporting new I/O modules
- Adding new functions
- Fixing bugs

The tool to update firmware and MiniOS7 image is MiniOS7 Utility.



File location of MiniOS7 Utility

CD:\Napdos\MiniOS7\Utility\MiniOS7\_UTILITY\MiniOS7\_UTILITY.exe or

[ftp://ftp.icpdas.com/pub/cd/8000cd/napdos/minios7/utility/minios7\\_utility/](ftp://ftp.icpdas.com/pub/cd/8000cd/napdos/minios7/utility/minios7_utility/)

## E.1 Access the controller

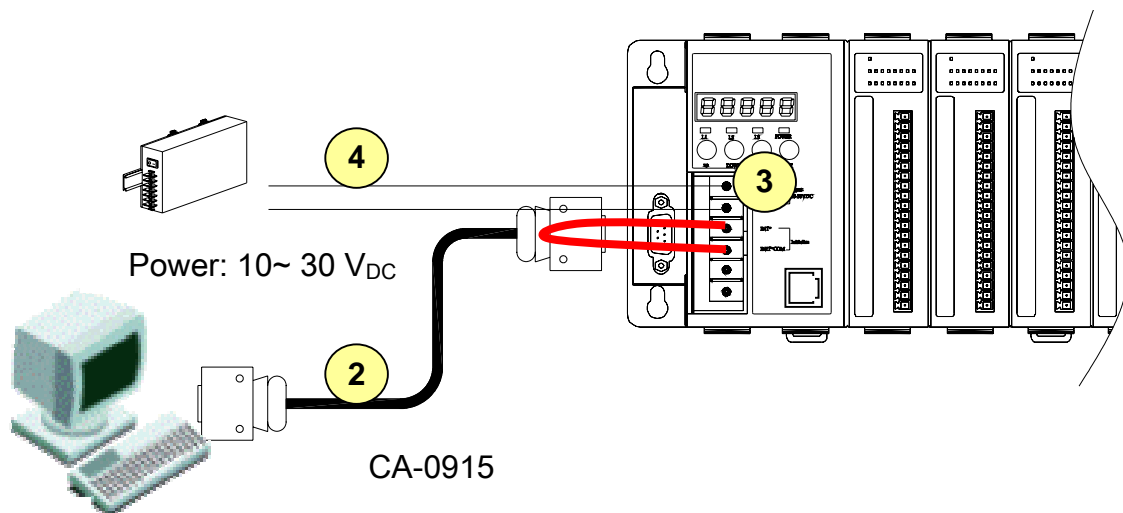
Please follow the steps to do the updating procedure.

**Step1:** Install MiniOS7 Utility

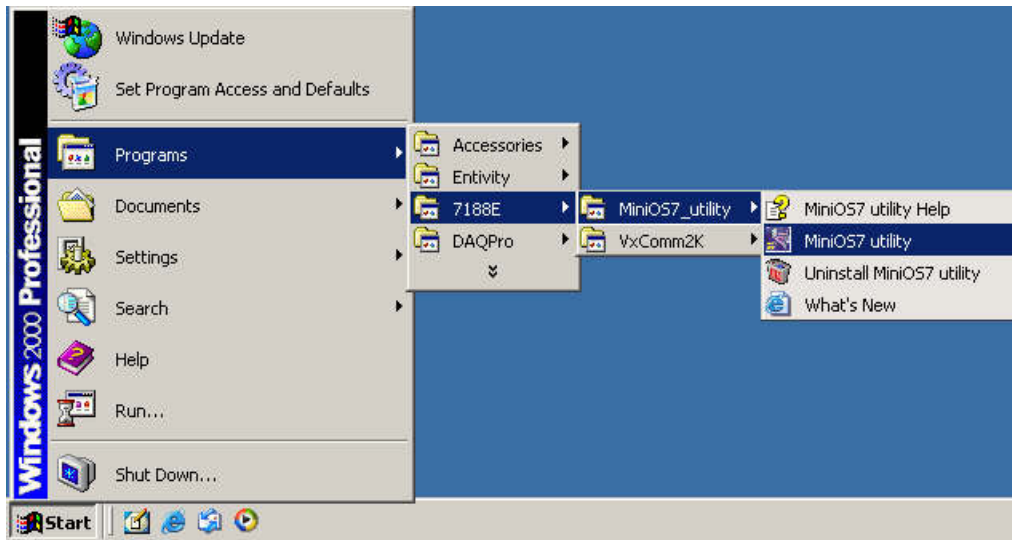
**Step2:** Use CA-0915 to connect 8430/8830/8KE4/8KE8 to COM1/2 of the host PC.

**Step3:** Short Init\* and Init\*COM.

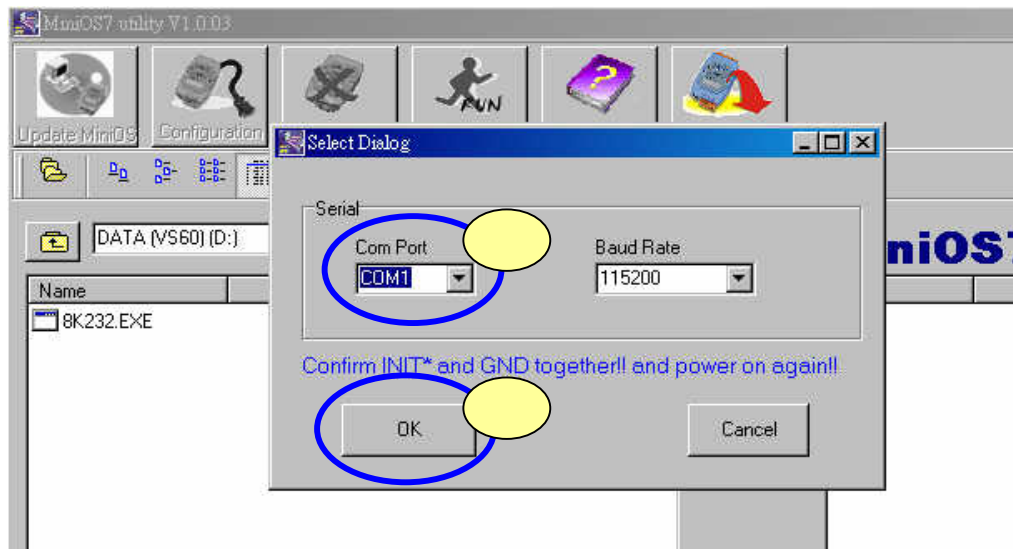
**Step4:** Power off and then power on the 8KE4/8KE8. The CPU doesn't run the autoexec.bat while power on stage.



**Step5: Run MiniOS7 Utility**

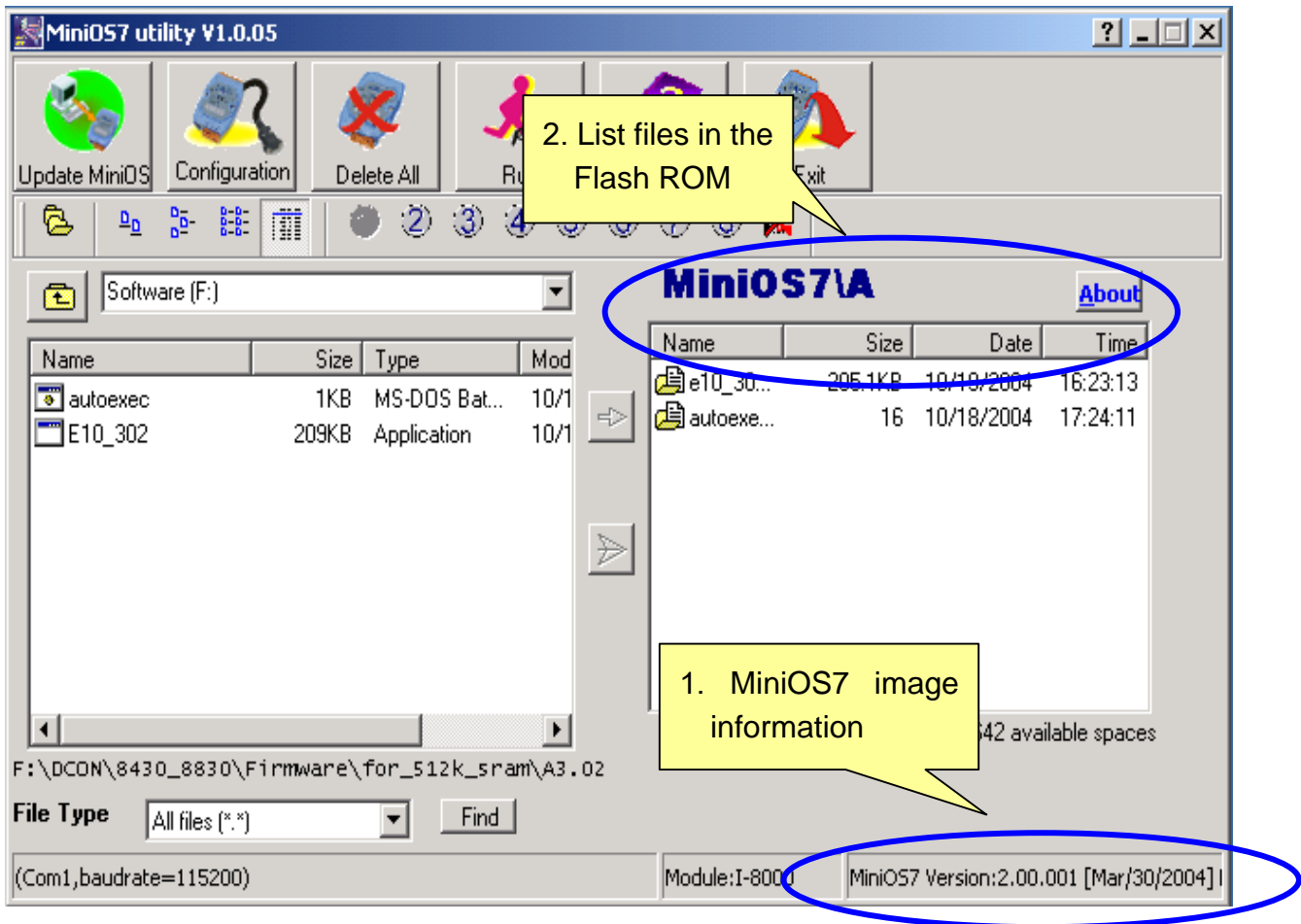


**Step6: Select the COM port of the host PC.**



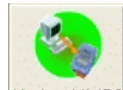
After opening the COM port, the MiniOS7 Utility will show information as below:

1. MiniOS7 image version of the 8430/8830/8KE4/8KE8.
2. Files in the Flash ROM



## E.2 Update MiniOS7 image

After setup MiniOS7 Utility and initial the 8430/8830/8KE4/8KE8. Please follow the steps to do the updating MiniOS7 image.



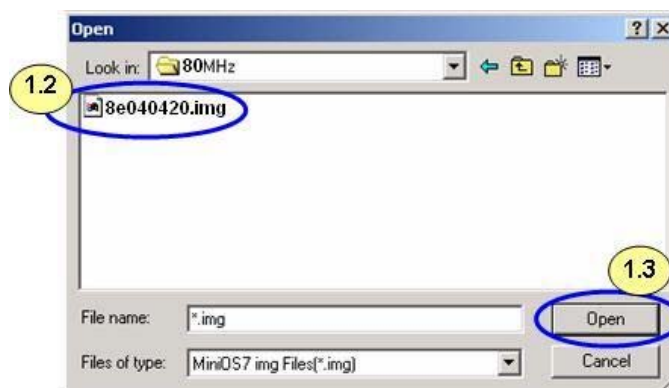
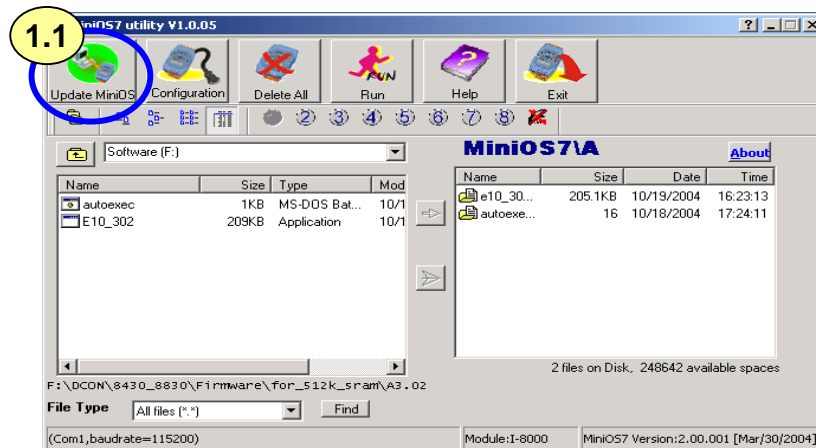
**Step1:** Click  and select the file to update MiniOS7.

8430/8830: CD:\Napdos\DCON\8430\_8830\OS\_Image\40MHz\8K040330.img)

[ftp://ftp.icpdas.com/pub/cd/8000cd/napdos/dcon/8430\\_8830/os\\_image/40mhz/8k040330.img](ftp://ftp.icpdas.com/pub/cd/8000cd/napdos/dcon/8430_8830/os_image/40mhz/8k040330.img)

8KE4/8KE8: : CD:\Napdos\DCON\8KE4\_8KE8\OS\_Image\8e040420.img)

[ftp://ftp.icpdas.com.tw/pub/cd/8000cd/napdos/dcon/8ke4\\_8ke8/os\\_image/8e040420.img](ftp://ftp.icpdas.com.tw/pub/cd/8000cd/napdos/dcon/8ke4_8ke8/os_image/8e040420.img)



**Note:** 8430/8830 use different OS image from 8KE4/8KE8.


For 8430/8830 the OS image is for 40MHz used and file name: **8K040330.img**

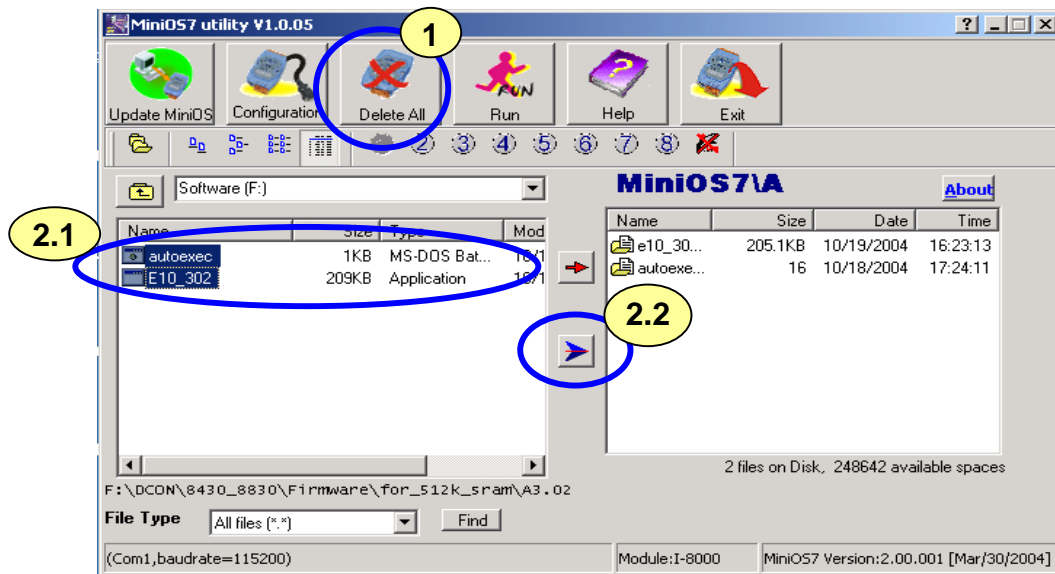
For 8KE4/8KE8 the OS image is for 80MHz used and file name: **8e040420.img**

## E.3 Download firmware

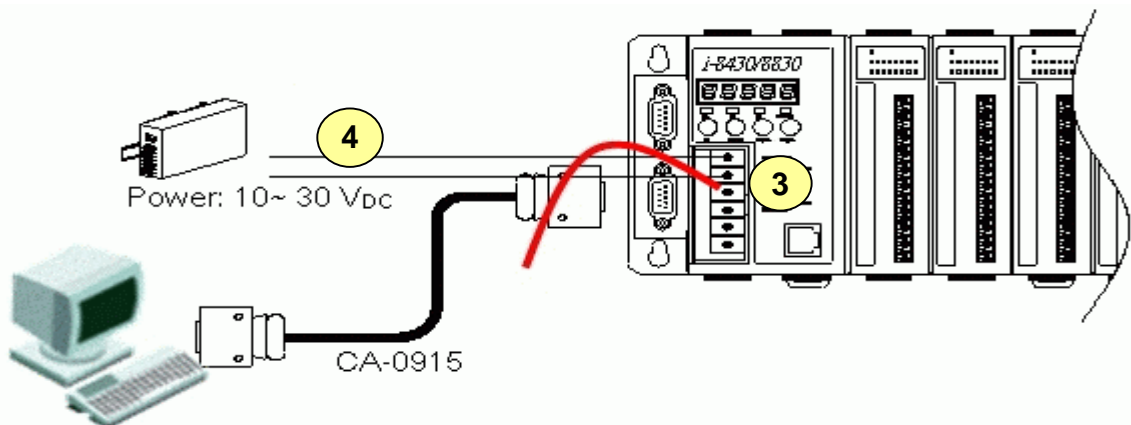
Please follow the steps to download the firmware to the Flash ROM.

**Step1:** Delete all files in the Flash ROM.

**Step2:** Select the firmware files and autoexec.bat and click  to download the files into the Flash ROM




**Step3:** Disconnect Init\* and Init\*COM



**Step4:** Run the firmware

Method 1: Power off and then power on the 8430/88308KE4/8KE8. The CPU will run the autoexec.bat in the Flash ROM.



Method 2: Click  to run the firmware.