ATMEL JCPS SOFTWARE v1.1

I.   Content:

1.   JCPSInstall.exe - installation executable for Atmel JCPS v1.1
2.   README.pdf – this README file

II.   System Requirements:

. Microsoft Win98, WinNT4.x, Win2000, or WinXP
. 80486/Pentium or compatible CPU based computer
. 128 Mega Bytes RAM (256 MBytes or larger is recommended)
. Windows supported mouse
. 10 Mbytes free disk space
. Available parallel printer (LPT) port

III.   Installation Instructions:

1.   Double-click on JCPSInstall.exe in Windows Explorer to start the installation process.

     Note: ADMINISTRATOR PRIVILEGES are required to install AtmelJCPS.exe

2.   Follow the instructions in the InstallShield Wizard throughout the installation process.

3.   Re-boot PC after installation.

4.   Review the Quick Start Tutorial by selecting **JCPS Tutorial** under the Help menu. This Tutorial will introduce you to the features of the Atmel JTAG Configurator Programming System (Atmel JCPS) for the AT18F family of Configurators.

IV.   Files structures after installing Atmel JCPS:

AtmelJCPS
> help   ⇒ JCPS.chm

> mcs   ⇒ 1M_checker.mcs
            ⇒ 2M_checker.mcs

> tutorial ⇒ JCPS_tutorial.pdf
            ⇒ Tutorial_test.mcs

V.   Revision History:

Revision	Date	Description
1.0 Beta	Jan 2008	First version of Atmel JCPS software with limiting features supported
1.1	Apr 2008	Added support for multiple-device JTAG chain

VI. Known Problem and Solution:

1. Before using JCPS as non-administrative users such as Restricted User, Power User, Limited User, .. etc, if the *Startup Type* for the TVICHW32 driver is not already set to "Automatic", then users need to change it to "Automatic". For WinXP and 2K, this can be done by going to Control Panel ⇒ Systems ⇒ Hardware ⇒ Device Manager ⇒ Non-Plug and Play Drivers (go to View ⇒ Show Hidden Devices) ⇒ right-click on TVICHW32 ⇒ Properties ⇒ Driver ⇒ set Startup Type to "Automatic".

2. During the JTAG operation (e.g. Program/Verify, Erase, .. etc), JCPS still allows users to make changes in the GUI menu such as Edit Device, Add Device, Delete Device, .. etc. For instance, during the programming process of an AT18F010 device, if a user clicks on Edit ⇒ Add Device to add new device onto the Chain file (.chn), JCPS still continues to perform the on-going task and reports the result as "Fail-device content differs from mcs file". To avoid this issue, please do not click on the JCPS GUI until the JTAG operation is completed.

3. The short-cut keys under the Edit menu such as Ctrl+A, Ctrl+D, and Ctrl+E might not work.

4. "CPS" is used instead of "JCPS" in some of the menu commands, window title bars and messages.

5. "Atmel CPLD-ISP MV" is the default setting for the ISP download cable type and it is the only cable type that can be used to program Atmel AT18F series devices. Other JTAG ISP cables should not be used.

6. Read Protect, Read-Protect Verify, Write Protect and Write-Protect Verify operations are not supported yet and these features will be added into future version of Atmel JCPS software.

7. If Program/Verify fails, try to set the Calibration value to "50". This can be done by going to Option ⇒ Manually Calibrate menu, enter 50 onto the dialog and hit OK.

8. Users should avoid running other software programs while Atmel JCPS is running.

VII. Technical Support Information:

Online Support Form: **http://www.atmel.com/dyn/products/support.asp**

Hotline Support Phone Number: **+1-408-436-4333**