



ATMISP - ATMEL ATF15xx CPLD ISP SOFTWARE v6.7

I. Content:

1. AtmelISP.exe - Installation executable for ATMISP v6.7
2. QSTutor.pdf - Quick Start Tutorial for ATMISP v6.7 using ATF15xx-DK3 CPLD Development/Programmer Kit
3. Readme.pdf - This README file

II. Installation Instructions:

1. Un-install all older versions of the Atmel ATF15xx CPLD ISP Software from the PC if one exists.
2. Double-click on **AtmelISP.exe** in Windows Explorer to start the installation process.

Note: ADMINISTRATOR PRIVILEGES are required to install ATMISP.

3. Click on **Yes** in the ATMISP installation window to start installing the ATMISP software.
4. Follow the instructions in InstallShield Wizard throughout the installation process.
5. Re-boot PC after installation.
6. Review Quick Start Tutorial. In the main ATMISP window, go to Help → ISP Tutorial. This Tutorial will introduce you to the features of ATF15xx CPLD In-System Programming Software (ATMISP).

III. Revision History:

Rev 6.7

Added chain file with port setting, and correct the detection of the Atmel ATDH1150USB as the correct manufacture and product name. Also setup LPT1 as default port setting in the software.

Rev 6.6

Added ATDH11500USB cable support (Win2K and WinXP systems only)

Rev 6.5

1. Added the ATF1508RE support.

Rev 6.4

1. Fix the width of the Instruction Register(IR) with multiple-devices when there is non-ATF15xx's family device in the device chain.
2. Disable "Write SVF file" check box if any of Program/Verify/Secure, Verify Secure and Secure procedures are found in the chain. In addition, if the "Write SVF file" check box is previously checked, then it will properly return a warning message.

Rev 6.3

1. Added ATF1508BE support.

Rev 6.2

1. Added ATF1504BE support.

Rev 6.1

1. Changed the Cable Type "Atmel-ISC" to "Atmel CPLD-ISP MV" to represent Version 6.0 or newer of the Atmel CPLD-ISP download cable.
2. Changed the Cable Type "Atmel-ISP" to "Atmel CPLD-ISP" to represent Version 5.0 or older of the Atmel CPLD-ISP download cable.

Rev 6.0

1. Added ATF1502BE support.

IV. JTAG Download Cable Types Supported:

Cable Types in ATMISP	Description of Cables	Atmel CPLD Devices Supported
Atmel CPLD-ISP MV	Atmel CPLD ISP Download Cable Rev6.x (parallel port only)	ATF1502AS/L, ATF1504AS/L,ATF1508AS/L ATF1502ASV, ATF1504ASV/L,ATF1508ASV/L ATF1502BE, ATF1504BE, ATF1508BE, ATF1508RE
Atmel CPLD-ISP	Atmel CPLD ISP Download Cable Rev5.0 or earlier (parallel port only)	ATF1502AS/L, ATF1504AS/L,ATF1508AS/L ATF1502ASV, ATF1504ASV/L,ATF1508ASV/L
ByteBlaster 2	Altera Download Cable II (Parallel port only)	ATF1502AS/L, ATF1504AS/L,ATF1508AS/L ATF1502ASV, ATF1504ASV/L,ATF1508ASV/L ATF1502BE, ATF1504BE, ATF1508BE, ATF1508BE
ByteBlasterMV	Altera Download Cable MV (Parallel port only)	ATF1502AS/L, ATF1504AS/L,ATF1508AS/L ATF1502ASV, ATF1504ASV/L,ATF1508ASV/L
ByteBlaster	Altera Download Cable (Parallel port only)	ATF1502AS/L, ATF1504AS/L,ATF1508AS/L
Atmel ATDH1150USB	USB version of Atmel CPLD JTAG Download Cable (USB port only)	ATF1502AS/L, ATF1504AS/L,ATF1508AS/L ATF1502ASV, ATF1504ASV/L,ATF1508ASV/L ATF1502BE, ATF1504BE, ATF1508BE, ATF1508RE

V. Known Problem and Solution

1. Users are not allowed to program the ATF15xxBE/ATF1508RE with other devices types (e.g. ATF15xxAS/ASL and ATF15xxASV/ASVL) in the same JTAG chain. User must select "UNKNOWN" as the device type for the other "non-ATF15xxBE/non-ATF1508RE" devices in the chain file in order to program the ATF15xxBE/ATF1508RE devices in the JTAG chain while all the other "non-ATF15xxBE/non-ATF1508RE" devices are put in the BYPASS mode. After programming the ATF15xxBE/ATF1508RE devices in the chain, then the user must create another chain file to program all the "non-ATF15xxBE/non-ATF1508RE" devices while specifying the ATF15xxBE/ATF1508RE devices in the JTAG chain as "UNKNOWN" device type in the chain file. This will be corrected in the next version of ATMISP.