

Intel® Chipset Software Installation Utility

Version 2.90 Production Version

Build 009

Release Notes

06/25/01

Microsoft Windows* 95 Original Release*

Microsoft Windows* 95 OSR1*

Microsoft Windows* 95 OSR2 without USB Supplement*

Microsoft Windows* 95 OSR2.1 with USB Supplement*

Microsoft Windows* 95 OSR2.5 with or without USB Supplement*

Microsoft Windows* 98 Original Release*

Microsoft Windows* 98 Second Edition Original Release*

Microsoft Windows* 2000*

Microsoft Windows* Me*

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Notice: The Intel® Chipset Software Installation Utility Software may contain design defects or errors described as "known issues" which may cause the product to deviate from expected performance. Current characterized known issues are documented in this update.

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Preface

This document makes references to unannounced products being developed by Intel. There are some restrictions on how these products may be used, and what information may be disclosed to others. Please read the Disclaimer section at the top of this document, and contact your Intel field representative if you would like more information.

Overview

The Intel® Chipset Software Installation Utility was developed for updating Windows* Operating Systems with the Plug and Play feature on Intel chipsets. The Intel Chipset Software Installation Utility is not required or compatible with

Operating Systems without the Plug and Play feature, such as Windows NT* 4.0. This utility allows the operating system to correctly identify the Intel chipset components and properly configure the system. The Intel Chipset Software Installation Utility installs specific Windows INF files. The INF files inform the operating system how to properly configure the chipset for specific functionality, such as AGP, USB, Core PCI, and ISA PnP services. For more details about the specific INF files that are updated, please refer to the readme.txt file that is included with the Intel Chipset Software Installation Utility for Intel chipsets.

These Release Notes outline the new features and key changes of this software since the last release. Additional information regarding troubleshooting, software sightings, and bug fixes are also included here.

V2.90 Production Version Build 009 Release Notes

1. Updated Production Information

a. In Version 2.90 Production Version Build 009

Updated Product Information	
ID	Information
1	Added digital signature files for the devices 2448 (Intel® 82801 BAM PCI Bridge) and 244C (Intel® 82801BAM LPC Interface Controller) under Windows* Me and Windows* 2000 operating system. These files were not signed in the previous build.

b. In Version 2.90 Production Version Build 007

Updated Product Information	
ID	Information
1	Added production launch support for Intel(R) 860 Chipset.
2	Added initial support for the Windows* XP operating system in the software.
3	Added support for Installshield v6.22 in the software.
4	Added fix under Windows* 2000 operating system for the silent install. Installer was aborting at the end of the installation process and therefore removing all the installed INF files. This was not affecting the update of the devices.

c. In Version 2.80 Production Version Build 012

Updated Product Information	
ID	Information
1	Added support for Intel(R) 815 Chipset family (B-step).

2. New Features

a. In Version 2.90 Production Version Build 009

New Features	
ID	Information
1	Added digital signature files for the devices 2448 (Intel® 82801 BAM PCI Bridge) and 244C (Intel® 82801BAM LPC Interface Controller) under Windows* Me and Windows* 2000 operating system. These files were not signed in the previous build.

b. In Version 2.90 Production Version Build 007

New Features	
ID	Information
1	Added initial support for the Windows* XP operating system with the software.
2	Added production launch support for Intel(R) 860 Chipset.
3	Added support for Installshield v6.22 in the software.

c. In Version 2.80 Production Version Build 012

New Features	
ID	Information
1	Added support for Intel(R) 815P Chipset.

3. Digital Signature Files Included

a. For Windows* 2000

Digital Signature Files Included	
Information	
815.CAT	
ICH2AUD.CAT	
ICH2CORE.CAT	
ICH2IDE.CAT	
ICH2SMB.CAT	
ICH2USB.CAT	
850.CAT	

850860.CAT
ICH2IDEM.CAT
ICH2BR.CAT
ICH2BRM.CAT
ICH2CORM.CAT

b. For Windows* 98 and Windows* 98 Second Edition

Digital Signature Files Included
Information
440MXCOR.CAT
440MXIDE.CAT
440MXUSB.CAT
810.CAT
820.CAT
820B.CAT
840.CAT
ICHx.CAT
ICHxIDE.CAT
ICHxSMB.CAT
ICHxUSB.CAT
P64H.CAT
P64HRES.CAT
IFWH.CAT
815.CAT
ICH2BR.CAT
ICH2BRM.CAT
ICH2CORE.CAT
ICH2IDE.CAT
ICH2SMB.CAT
ICH2USB.CAT
850.CAT
850860.CAT
ICH2CORM.CAT
ICH2IDEM.CAT

c. For Windows* Me

Digital Signature Files Included
Information
850.CAT
850860.CAT
ICH2CORM.CAT
ICH2BRM.CAT

4. Fixes Included

Fixes Included	
ID	Information
1	No fixes are incorporated in this release.

5. Software Sightings and/or Known Issues

Software Sightings and/or Known Issues	
ID	Information
1	Under Windows* 98SE, when Installing the INF Files Prior to OS Installation, the operating system may prompt the user to reboot the system. To continue with installation, the user should press YES to continue.
2	The Intel® 82801BA PCI Bridge and Intel® 82801BAM PCI Bridge components will not be updated in Windows* 2000 configurations where the IOAPIC is enabled. These changes were made in order to avoid a software hang condition seen in some systems with similar configurations.
3	On Windows* 2000 Operating system if the Intel(R) 82801 BA/BAM AC '97 Audio Controller device is enabled, the system may fail to enter the ACPI S3 system power state. On certain systems, the issue has been attributed to some behavior experienced with the AC '97 Audio Device driver included with Windows* 2000 operating system. To address this issue install an updated device driver for the Intel(R) 82801 BA/BAM AC '97 Audio Controller.
4	This software will install the ICHxSMB.INF file on systems running Windows* 98 Second Edition, even though the OS natively supports the SMBus device. This is done to allow the easy update of any future SMBus driver.
5	During the Windows setup stage the USB keyboard and mouse may not be accessible. This is because the legacy USB driver may be inactive when Windows enters the GUI mode. There is a small window of time when it may not be possible for the system to accept user input. The system should have a PS/2 keyboard connected to it during Windows SETUP or when the INF Installation Utility is invoked. It is also very important that the Legacy USB Keyboard and Mouse services are enabled when USB Keyboard and mouse are present.
6	When the Intel(R) Chipset Software Installation Utility is run on a system with Windows 95 Original Release, the Device Manager may report a memory resource conflict. This conflict involves the resources allocated to PCI cards that are located behind a PCI bridge. The operating system incorrectly reports a memory conflict even though the memory resources in question are fully contained within the PCI bridge aperture. This appears to be a known issue with the Windows 95 operating system. The Chipset Software Installation Utility operation has no effect on this issue.
7	Older revisions of the Intel(R) LANdesk Software Package may cause a Device Manager warning when installed on a system after the Intel(R)

	Chipset Software Installation Utility has been executed on the system.
8	When running this software on Intel PIIX4-based chipset platforms, an extra reboot message might appear after the operating system has completed setup.
9	The Intel(R) Chipset Software Installation Utility does not successfully install under the Microsoft* Windows* 2000 Finnish or Microsoft* Windows* 2000 Russian operating systems.
10	The ICH2CORE.INF and ICH2CORM.INF files are not signed for the Microsoft Windows* 98 Gold version of the operating system. Microsoft is no longer signing specifically for the Windows* 98 Gold operating system. The following devices will NOT be updated if BLOCK mode signing is enabled under Windows* 98 Gold: 2440, 244E, 244C, 2448.
11	<p>When Installing the INF files prior to OS Installation on an ICH2-M based system using Windows 95 (all versions) Windows* 98 or Windows* 98 Second Edition, the user must ensure that the INFPreload.txt file has been edited to include a reference to the ICH2CORM.INF file. If these edits are not performed, then the ICH2-M bridge information will not be correctly installed.</p> <p>Below are the steps required to properly edit the INFPreload.txt file and ensure that the ICH2-M bridge information is correctly installed:</p> <p>Step 1) Edit the [PreCopyFiles] Section to refer to ICH2CORM.INF and comment out ICH2CORE.INF</p> <p>Step 2) Edit the [InfCopyFiles] Section to refer to ICH2CORM.INF and comment out ICH2CORE.INF</p> <p>Step 3) Edit the [SourceDiskFiles] Section to refer to ICH2CORM.INF and comment out ICH2CORE.INF</p>

6. Testing Information

Testing Information
Information
This software build has been validated on following platforms: Intel(R) 810 Chipset Intel(R) 810E2 Chipset Intel(R) 815 Chipset Intel(R) 815E Chipset Intel(R) 815EM Chipset Intel(R) 815EP Chipset Intel(R) 815P Chipset Intel(R) 820 Chipset Intel(R) 820E Chipset Intel(R) 840 Chipset Intel(R) 850 Chipset Intel(R) 860 Chipset

TROUBLESHOOTING INFORMATION

Please refer to Readme.txt for the list of the general troubleshooting techniques.