

# Welcome to Windows XP Epsilon Edition!

This document is about for documenting features, bugs, and changes for Windows XP Epsilon Edition.

## Table of contents

1. **What is Windows XP Epsilon Edition?**
2. **Installation**
3. **Features**
4. **Changelog**
5. **Credits**

### 1. What is Windows XP Epsilon Edition?

Windows XP Epsilon Edition is a spiritual successor of XP Delta Edition, as XP Delta is no longer updated too much. This project aims to make Windows XP SP3 (with Windows Embedded POSReady 2009 updates integrated) to function like Windows XP RTM, SP1 and maybe SP2. Not only focuses on making more like the original Windows XP RTM-SP1, but it also focuses in consistency fixes (resources reused from Windows XP Unity project), have Windows 9x upgrade support (except 95) (it uses Windows XP SP1 installer), adds forgotten executables which it can be found in other folders, stuff from release candidate builds and high quality sounds from build 2481. It's themed under default theme from Windows XP. It includes updates, fixes and patches from Windows XP Integral Edition.

### 2. Installation

#### 2.1. Installing from CD

Installation is exactly the same as you install Windows XP. When you boot from the ISO, you can choose to install the OS, repair the install with a recovery console or either cancel installing if you don't want to install it. To begin the install, press Enter, you'll have to agree with license agreement, select your partition, you can create a new one with your specified size, or either begin with a single partition without creating any partitions, Windows will create a new partition for you. You can format in NTFS or FAT. If it was created before with format, you can choose to don't format, but you can choose to delete your old Windows folder or make a new Windows folder with a different name (not recommended). After partitioning and formatting page, Windows will check your hard drive and later, it will copy the files and configure the registry to boot into installation. After the first stage of setup, you will greet with Windows XP boot screen and later the full screen Setup window. After the devices are installed, you will greet with Regional and Language Options window. You can pick your user/system locale and keyboard layout, your name and organization, your Windows XP Professional VL key, your computer name and built-in administrator password, time and date, your timezone of your place where you live. After this step, it will install networking for you. You can pick typical settings or custom settings (if you want to install your networking components), then you can type your workgroup name. And you're done setting up.

#### 2.2. Installing from Windows

Installing from Windows is a different process, if you run Windows 95 or later, you can install the operating system. Upgrading from Windows 95 isn't supported, you must upgrade to Windows 98 first if you want to keep your data and settings. Upgrading from Windows 98 (original release and Second Edition), 2000, Me, XP (original release, SP1, SP2 and SP3) are supported, you can keep your data and settings. If you changed your mind and don't want keep your data and settings, please opt for a clean install. Please follow the steps in screen. A Windows XP Professional VL product key is required to complete the upgrade/install. If you're running Windows Server 2003 or later, you can't install it due to being newer. You have to follow installing from CD instead.

### **2.3. Repair mode (recovery console)**

Repair mode is a function included with any Windows install. It consists of a MS-DOS like console. To change the keyboard layout, press Enter. And if you're using a US keyboard, wait for some seconds. If a Windows install is detected, you can select a Windows install to repair, and later type your administrator password (if there's no password, you can leave it as blank). If there's no Windows install, then it will start the recovery console without selecting the operating system and typing an administrator password. To use the recovery console, you can do like you do in MS-DOS. To view a list available of commands, please type "help" (without quotes).

## **3. Features**

### **3.1. Windows Media Player**

This mod contains Windows Media Player 8, which is from Windows XP RTM. On Windows XP SP2, Microsoft upgraded to Windows Media Player 9, according to Microsoft, this was done to fix security vulnerabilities which were not present in Windows Media Player 9 Series. To restore Windows Media Player 8 on Windows XP, Microsoft advised to uninstall Service Pack 2, or Service Pack 3 (if Service Pack 1 was installed before) for that operating system. But in this mod it restored Windows Media Player 8 in Windows XP Service Pack 3 and it works fine. It contains the missing skins from WMP8 which it wasn't installed by default in SP2 onwards.

### **3.2. Windows Movie Maker**

Windows Movie Maker 1.1 is included, which it have a older interface than the one from Movie Maker 2.x. It looks simpler and doesn't have many features like effects and transitions.

### **3.3. Address Toolbar**

Address toolbar has been returned to this mod, thanks to browseui.dll from Windows XP SP2. It doesn't require to use Windows Desktop Search for this restoring feature. Windows XP SP3 removed Address toolbar in the taskbar due to legal reasons, but Windows Vista onwards (including Windows 11 with ExplorerPatcher or alternatives) are still included for unknown reasons. Windows Desktop Search is touted as a replacement, 3rd party tools are available to get similar functionality, but to restore this functionality, replace browseui.dll from Windows XP SP2.

### **3.4. Display Properties**

Display Properties have a bugfix which is a fatal flaw by Microsoft which it didn't change the Link Select cursor, it has been fixed by replacing from Link to Hand in a hex editor. On Screen Saver section, the missing Energy Star logo has been restored by replacing themeui.dll from SP2. Internet Explorer special desktop icon functionality has been restored thanks to 6.0.2900.3139 version of shell32.dll. This change has been done in KB943460 updates onwards and XP SP3. In fact, this is not a bug and is by design, probably due to anti-trust litigation settlement which requires Microsoft to disintegrate IE from operating system so that other web browsers can compete freely with IE6, IE7 or even IE8 in future (and they barely succeeded to disintegrate IE, we got Microsoft Edge nowadays).

### **3.5. Windows Messenger**

This mod contains a old version from Windows Messenger from RTM version. It's not patched by default but I recommend to download Escargot if you want to use Messenger. Because sign in page design is different from SP2/SP3 one, but RTM have a different design.

### **3.6. Sounds**

New sounds are the same as Windows XP, but albeit in a higher quality and stereo. From build 2485, the sounds were compressed for some reason. Which is in mono (except Startup, Logon, Logoff, Shutdown) and 22050 hz. But in this mod, it contains stereo and 44100 hz sounds. title.wma have a higher quality and stereo version instead of default Windows XP one.

### **3.7. Upgrading**

It uses Windows XP SP1 winnt32 files to fix issues with upgrading from Windows 98, 98 SE and Me to XP SP3. This has been done as SP3 contains a bug with upgrading from said versions. Windows NT 3.51 and old Whistler builds are supported.

### **3.8. Remote Desktop Connection**

Remote Desktop Connection is from Windows XP SP2, and it's used to make authentic to the RTM/SP1/SP2 releases from Windows XP. SP3 contains Windows Vista SP1 Remote Desktop Connection, which it was upgraded, but in this mod, it's downgraded to the old version from XP SP2. And for this part, you can have multiple concurrent remote desktop connections within this mod.

### **3.9. UX Theme**

This mod contains a patched version of UX Theme. It lets you to use any themes which aren't officially signed by Microsoft. You can use any custom theme with it, downloading from 3rd-party websites or themes made by users or by yourself.

### **3.10. Sound Recorder**

Sound Recorder has been fixed to support in computers that have more than 2 GB of RAM, and you can record more than 60 seconds (1 minute, meaning you have 999 seconds (16 minutes, 39 seconds estimated time) to record your audio.

### **3.11. Non-standard floppy formats**

Now this mod allows to use non-standard floppy formats. This hasn't been documented yet, but fpydisk.sys has been patched to have this.

### **3.12. Win16 SubSystem**

Win16 subsystem has been patched so there will be no concern while using 16-bit apps complaining for insufficient resources even you have more RAM.

### **3.13. Program shortcuts**

This mod have shortcuts for programs which aren't added by Microsoft. This includes: NetMeeting, ClipBook Viewer, IExpress Wizard, Object Packager, Private Character Editor, Program Manager, Chat, DDE Share, and RTC App Sharing.

### **3.14. Program Manager**

On Windows XP SP1, it was the last version to have a working Program Manager, and later turned into a stub in XP SP2. But now it's back into XP SP3. It contains the familiar Windows 3.x style interface to open programs, like a Start Menu. You can create groups and items whenever you like.

### **3.15. Boot Screen**

The bootscreen has been updated to look like the one from Windows XP RTM/SP1. It contains the edition name and copyright year. But this change is artificial, and it's the edition name and copyright year in a single bitmap. Edition name was using a separated bitmap in RTM and SP2 only.

## **4. Changelog**

### **Update 3.1**

New resources, feedback and stuff.

- \* OOBE music updated, in all quality it matters
- \* comctl32.dll is fixed
- \* Removed setupdll.dll
- \* New setup.bmp
- \* Updated several resources
- \* Added choice.com
- \* Added Alternate Select cursor

- \* Replaced aclui.dll with the one modified version of Windows Server 2003 SP2
- \* Replaced Classic sounds
- \* Added propsys.dll
- \* Reverted "Windows XP" wallpaper back

### Update 3

Okay, no, I lied. This update does groundbreaking changes like bug fixes and several inconsistencies fixes, and some improvements.

- \* Bliss is changed to color-toned version to resemble its appearance on marketing material.
- \* Minesweeper finally have new sounds
- \* Wallpaper has been reverted to Bliss
- \* SOS mode version is simplified to be like in the RTM
- \* Boot screen bug is fixed
- \* Shields in OOBE are improved
- \* Setup autorun is downgraded to Windows XP RTM version due to lacking .NET Framework in install media
- \* Component Wizard is updated to have a new dialog (taken from XPCE)
- \* IExpress title is fixed
- \* Wallpapers are now decreased from 1600x1200 to 1024x768
- \* Updated Verdana, Tahoma, Times New Roman and Trebuchet MS fonts
- \* Reverted setup.bmp to original one
- \* win.com has been replaced to the version used in Windows Vista
- \* Changed XP tour to the version used in RTM as 2600.3180 omitted "Playing, Videos, and CDs" page in the "Unlock the World of Digital Media" section
- \* Changed rasphone.exe icon
- \* Spider Solitaire is updated to change score color, have stereo sounds and reverted card deck back to stock version
- \* Downgraded MMC to build 5270
- \* Replaced aclui.dll from Vista back to modified build 5231 version
- \* Added xcacsl.exe and whoami.exe
- \* Updated additional DLL files
- \* Updated ODBC files to Windows Vista and Windows 7 versions
- \* Utopia sound scheme are now in pseudo stereo (except Close sound which is taken from Windows 7 On-Screen Keyboard)
- \* Updated oledlg.dll, Audio and Video Tuning Wizard
- \* Fixed a bug with avtapi.dll
- \* On-Screen Keyboard, Hearts, Pinball and Windows Messenger sounds have pseudo stereo effect now
- \* Turn Off Computer and Log Off Windows button bitmaps are now 33x33
- \* oembios.bin is removed
- \* Changed billboard screens
- \* setupldr.bin strings are changed
- \* Reverted user account pictures
- \* ntdsapi.dll is now permanent instead of being temporarily (as the file ntds2k3.dll is removed, now it's used in the OS itself)
- \* Build 2465 banner is used by default
- \* Added two new wallpapers from Windows XP commercial
- \* Fixed a bug with Local Security Settings
- \* Green arrows in User Account Control Panel are replaced
- \* Replaced dxdiag.exe with the one from XP RTM
- \* More improved resources and new icons
- \* Updated Windows Firewall settings window
- \* Theme properties is slightly updated
- \* Reverted NotepadEx to original one

- \* Fixed bug with Default Programs stuff
- \* Upgraded Windows Messenger 4.0 to 4.7
- \* Changed Windows XP logon flag to build 2465

### **Update 2.11 (Final!) - Nope.**

It's over. (What)

- \* Security Center icons were changed.
- \* Phone Dialer shortcut has been added
- \* Web Services update has been integrated.

### **Update 2.1**

- \* NotepadEx is integrated into the OS
- \* Few icons are changed
- \* Now it also pretends Tablet PC SKU to be installed.
- \* Changed Tablet PC Edition references to Professional
- \* Updated Root Certificates from v41.0.2195.2304 to v41.0.2195.2308
- \* Updated Revoked Roots Certificates from v8.0.2195.2103 to v8.0.2195.2309
- \* Updated icons for East Asian languages
- \* Integrated remaining updates
- \* Some wallpapers got a update. Other ones are used from stock photos and some are AI upscaled (due to not being available or being exclusive for Microsoft)
- \* Windows XP OOBE animation is now upscaled and smooth

### **Update 2a**

Only optimized for Extras Pack.

- \* Now it pretends Media Center SKU to be installed.
- \* Changed Media Center Edition references to Professional

### **Update 2**

- \* Replaced NTLDR with Windows Server 2003 SP2 version (it will allow to boot Windows Server 2003 and Windows XP)
- \* rundll32.exe is now skinned
- \* Included many improved icons and bitmaps
- \* Changed bitmaps and icons in some programs
- \* HTML Help is now themed
- \* Fixed an issue which non-existent Movie Maker files aren't registered
- \* Removed encdec.dll as it's not present in Windows XP RTM
- \* comctl32.dll is now replaced with a version which it breaks limitations with bitmaps made by Ebhefgy
- \* Changed the way how winnt.sif behaves (only for MassStorage version)
- \* sethc.exe (when you use accessibility hotkeys) is now themed
- \* MMC is replaced with Vista build 5310 version, to include themed MDI controls
- \* Renamed Tour intro navigation message to "To begin the tour, click any selection"
- \* Fixes a error with appmgr.dll not registering
- \* Reverted About and shutdown/logoff bitmaps to original bitmaps
- \* Changed icons in Windows Media Player Media Library

### **Update 1**

- \* Default wallpaper has been changed to "Windows XP"
- \* Sound Recorder recording length has been extended to 7000 seconds, waveform length is now smoother
- \* Controls are themed in several Windows programs
- \* Now it includes improvised resources, and it includes new icons and wizards
- \* System Properties Advanced Tab is now showing icons

- \* Fixed a bug which Qmark appearing animation is played twice
- \* ClearType is now disabled and reverted back to Standard
- \* Fixed a Windows XP bug which it shows broken CPL icon
- \* Explorer.exe is replaced with RTM counterpart
- \* MMC taskview is updated

### **Final Release**

- \* Fixed wrong qmark.acs because of a human error
- \* Updated Help graphics
- \* dosnet.inf is finally complete, which it means you can upgrade Windows 98, 98 SE or Me without file copy error problems
- \* Changed red and green shield icons in OOBE
- \* Utopia sound scheme has been introduced
- \* Added upgrade support for Windows NT 3.51 and some Windows Whistler builds
- \* Few final resources change
- \* Fixed Warning icon in setupapi.dll
- \* Media Player error help is changed to WMP8
- \* regsvr32.exe is now themed
- \* Fixed a issue with Windows Media Player 8 not playing Like Humans Do and not able scanning files
- \* drumtest.mid added
- \* Microsoft Java Virtual Machine from Windows XP SP1 is reintroduced in the OS (which it was removed from SP1a onwards)
- \* taskman.exe has been replaced with Windows 3.1 counterpart because the one in Windows XP isn't working
- \* System Restore bitmap has been updated including its dialog
- \* OS is now non-SSE2 capable
- \* Downgraded videoprt.sys from 5.1.2600.5512 to 5.1.2600.2911
- \* OS is now software RAID-5 capable
- \* Ported Windows Server 2003 disk.sys and partmgr.sys (now it supports GPT disks)
- \* Classic theme colors on first stage of Setup has been updated
- \* Certificate Roots Update is implemented

### **Beta 3**

- \* Updated icons in SUPPORT\TOOLS
- \* Replaced XPize AVI with XP one in wextract.exe
- \* Sample Music is extended
- \* Replaced Link with Hand (reported by Serega) in .theme files
- \* Tour images are updated
- \* Many system files are modified
- \* Added shortcuts from obscure programs
- \* Added C++ Runtimes
- \* Changed year in Internet Explorer about box and Outlook Express splash screen from 2004 to 2001
- \* Changed XP Unity Outlook Express about bitmap with a new one
- \* Replaced aclui.dll with Vista version
- \* Downgraded shell32.dll file from July 27, 2009 update to May 16, 2007 update. Because the November 13, 2007 update onwards, it removes special IE desktop icon checkbox. So this has been done to restore that functionality.
- \* Notes.rtf has been introduced.
- \* Fixed uxtheme.dll

### **Beta 2**

- \* Changed MSC icons

- \* Replaced user pictures with original counterparts
- \* Renamed Windows Picture and Fax Viewer to Image Preview
- \* Marlett is updated to Windows 10 1507 version for Flying Windows screensaver
- \* Removed Vista SP1 Remote Connection, Windows Update file leftovers and sfc.exe are removed
- \* Updated system files
- \* Fixed shutdown button pixels
- \* Network Connections icon is fixed
- \* wmp.ocx is now registered properly as it was previously missing, OOBE music and animation are loaded properly
- \* Uses the original layout.inf from XP SP3 instead of relying on modified layout.inf (which damage has been done)
- \* Windows XP wallpaper is now 2465 one but in 1600x1200, remade by WindowsAesthetics (not AI upscaled)
- \* Qmark is now from build 2474
- \* Text Mode upgrade bitmap text is changed to 2481
- \* Several resources updated
- \* Changed billboard text
- \* Renamed "Olive Green" and "Silver" to "Homestead" and "Metallic" respectively
- \* Sound events are extended
- \* Deactivates the resetting of the USB controller to prevent a crash of the USB drive on which the Windows XP installation is carried out
- \* Fixes Win16 Subsystem insufficient resources problem
- \* Now allows you to have multiple concurrent remote desktop connections
- \* Increased number of half-open outgoing TCP connections from 10 to 16777215
- \* Fixes a Sound Recorder error message on computers that have more than 2 GB of RAM and increases the recording time limit from 60 seconds to 999 seconds
- \* Allows non-standard floppy formats
- \* NetMeeting and ClipBook Viewer shortcuts are added by default
- \* Unlocked taskbar by default
- \* Windows XP Tour music, SOS mode upgrade bitmap, Sample Pictures are replaced with 2474 counterparts

## **Beta 1**

- \* Updated to 2019
- \* Sounds reused from build 2481
- \* Windows Media Player 8 instead of Windows Media Player 9 is included
- \* Windows Movie Maker 1.1 instead of Windows Movie Maker 2.0 is included
- \* MSN Explorer version is now the XP RTM version
- \* Windows Messenger is now the XP RTM version
- \* Windows XP RTM eula.txt is now used
- \* XP SP1 WINNT32 is now used for 9x upgrade support
- \* Remote Desktop Connection is now the XP SP2 version instead of Vista SP1
- \* browseui.dll is from XP SP2, which it reintroduces Address toolbar for the taskbar
- \* Several new icons and bitmaps reused from XP Unity, XPize and XP Delta Edition
- \* Windows Update icon is from build 2474
- \* Boot screen is from Windows XP RTM/SP1
- \* New cursors reused from XP Unity
- \* Task Manager, Registry Editor, Minesweeper are reused from XP Unity
- \* winver.exe have a proper icon like Windows 7
- \* title.wma is now the higher quality version
- \* About branding is now remastered
- \* Some wallpapers are 1600x1200
- \* Luna.msstyles is now fixed
- \* UX Theme is patched by default, lets you to use custom msstyles

- \* Classic Start Menu bitmaps are reused from build 2465
- \* Logon screen flag is from build 2474
- \* OOBE bitmap is reused from build 2481
- \* 3D Objects flag is detailed
- \* ClearType is enabled by default
- \* Start Menu layout is like RTM version
- \* shell32.dll is from XP SP2 for bringing back 1981-2001 copyright year
- \* About box is like XP RTM
- \* Program Manager is back
- \* "Winter" sample picture renamed to "Winter forest"

## 5. Credits

Credits for the project who went through. There's no team at all but crediting the creators of said stuff. No one are involved into it.

**Auroraron:** Me, the head dev of the project. Created icons and bitmaps.

**SkyeWeeb:** For Windows XP Delta Edition, and its graphic resources. And for the idea coming from XP Delta Edition. And for featuring my mod in her Windows Delta website.

**Black&BlueV:** Partnership with XPCE, for creating better XPize icons for XPCE Proof of Concept build, title.wma, wizard bitmaps, gradients from his wizard bitmaps (AliasMayChange and also Black&BlueV shared its builds to me, I don't do leaks of those, please never ask), wallpapers and all that sort of stuff

**NermNelly:** Graphic resources from XP Delta.

**AliasMayChange:** Partnership with XPCE, scrapped bootscreens of the project.

**Mr dUSHA:** syssetup.dll, setupapi.dll and sxs.dll patches, by using his z-DLL Patcher tool.

**MarchMountain:** Other Windows XP icons

**SeregaWin555:** Shut down button bitmap fix (older versions), Minesweeper new version and kernel graphical modification

**EbhefgyWin:** Themes, icons and system files which are modified to fix inconsistencies

**aubymori:** NotepadXP fork of NotepadEx

**vxiiiduu:** NotepadEx

**MondySpartan:** Bliss wallpaper, suggestions

**That UwU cat I never ever mention (controversial member from the modding community):**

Some old graphics reused from XP 2003 (which it was pre-Unity)

**thejexxinium:** Cursors

**fusoxide:** Windows XP Beta wallpaper (older XPPEE versions)

**Microsoft:** Windows XP OS obviously and all its graphic design.

**Ramsey:** Windows XP Integral Edition stuff

**ComputerGeekProductions:** AI upscaled Windows XP OOBE animation

**A-ManWare:** choice.com addon, xcacsl.exe and whoami.exe addon

**David Moulder:** Classic sounds replacement

More credits can be found in Extras Pack.