Upgrading XPression™ Generation 1 (M1) from Windows® XP 32-bit to Windows 7 64-bit Settings

This document explains how to upgrade the Windows 7 64-bit settings for XPression systems.

✸ Follow the document in the order that the sections and procedures are presented.

Installing the DIMMs

1. Copy all of your projects to an external USB drive to safeguard them for reuse after the upgrade.

2. Insert the Microsoft® Windows 7 64-bit DVD into the DVD drive.

3. Shutdown the system and remove all power.

4. Open the XPression chassis by removing the two (2) thumbscrews from the rear and sliding the cover off.

   Refer to the *XPression Maintenance Guide* for detailed instructions on removing the top panel from the chassis.

5. Insert the three (3) supplied memory DIMMs into the three (3) empty DIMM slots on your motherboard. Make sure they click into place.

6. Before replacing the top panel on the XPression chassis, it is recommended to spray compressed air inside the chassis to remove any dust buildup from internal components.

7. Replace the top panel and secure it in place with the two (2) thumbscrews.

   Refer to the *XPression Maintenance Guide* for detailed instructions on replacing the top panel on the chassis.

8. Plugin the power cord(s).

9. Turn on the XPression system.

BIOS Setup

1. Once the DIMMs have been installed and the system has been turned on, press the **Delete** key until you reach the first start up screen.

2. In the **BIOS Setup Utility**:

   a. Navigate to the **Exit** tab.

   b. Select **Load Setup Defaults** and press **Enter**.

   c. Click **OK**.

   d. Select **Exit & Save Changes** and press **Enter**.

   e. Click **OK**.

      The system will reboot and display the **ASUS Express Gate** screen, and after a few seconds it will display the **ASUS P6TD Deluxe** screen.

   a. Press the **Delete** key until the **BIOS** screen is displayed.

   Main Tab

   a. In the **Main** tab, select **Legacy Diskette A** and press **Enter**.

   b. Select **Disabled** and press **Enter**.

c. Select **Storage Configuration** and press **Enter**.

d. Select **Configure SATA as** and press **Enter**.

e. Select **RAID** and press **Enter** and then **Esc**.

Ai Tweaker Tab

a. Select the **Ai Tweaker** tab.

b. In the **Ai Tweaker** tab, select **Intel® SpeedStep™ Tech** and press **Enter**.

c. Select **Disabled** and press **Enter**.

Advanced Tab

a. Select the **Advanced** tab.

b. In the **Advanced** tab, select **CPU Configuration** and press **Enter**.

c. Select **Intel® HT Technology** and press **Enter**.

d. Select **Disabled** and press **Enter** and then **Esc**.

Boot Tab

a. Select the **Boot** tab.

b. In the **Boot** tab, select **Boot Device Priority** and press **Enter**.

c. Select **1st Boot Device** and press **Enter**.

d. Select **Intel System** and press **Enter**.

e. Select **2nd Boot Device** and press **Enter**.

f. Select **CDROM** and press **Enter**.

g. Select **3rd Boot Device** and press **Enter**.

h. Select **Removable Device** and press **Enter**.

i. Select **4th Boot Device** and press **Enter**.

j. Select **Default-Network** and press **Enter**.

k. Select **5th Boot Device** and press **Enter**.

l. Select **Default-Network** and press **Enter** and then **Esc**.

Boot Tab - Hard Disks

a. Select **Hard Disk Drives** and press **Enter**.

b. Select **1st Drive** and press **Enter**.

c. Select **RAID Intel System** and press **Enter**.

d. Select **2nd Drive** and press **Enter**.

e. Select **RAID Intel Storage** and press **Enter**.

f. Select **3rd Drive** and press **Enter**.

g. Select **USB-USB Dongle 32** and press **Enter** and then **Esc**.

Boot Tab - Boot Settings

a. Select **Boot Settings Configuration** and press **Enter**.

b. Select **Full Screen Logo** and press **Enter**.

c. Select **Disabled** and press **Enter** and then **Esc**.

a. Select **Tools** and press **Enter**.

b. Select **Express Gate** and press **Enter**.

c. Select **Disabled** and press **Enter**.

d. Select **Exit & Save Changes** and press **Enter**.

e. Select **OK** and press **Enter**.

   The system reboots.

Installing Windows

1. Once the BIOS setup is complete and the system has rebooted, press **F8** key until the first start up screen is displayed.

2. In the **Select boot device** screen, select the CD drive as the boot option and press **Enter**.

3. At the **Press any key to boot from CD** prompt, press the space bar key once.

   Wait as the Windows install application loads and opens. This may take several minutes.

4. In the **Install Windows** screen, select the language, time/currency format, and keyboard that suits your region and preferences.

5. Click **Next**.

6. Click **Install now**.

7. Select the **I accept the license terms** check box and click **Next**.

8. Click **Custom (advanced)**.

9. At the **Where do you want to install Windows** prompt, select **Disk 0 Partition 2** and click **Drive options (advanced)**.

10. Ensure that **Disk 0 Partition 2** is still highlighted and then click **Format**.

   A popup appears that indicates there are files on that partition that will be lost. This is okay.

11. Click **OK** and then **Next**.

   The installation begins. The Installing Windows screen displays while loading and installation occur. The monitor might flicker during installation, which is normal, and the system might restart several times.

12. When the installation has completed, enter the following in the **Set Up Windows** screen:

   • **Username**: XPression
   • **Computer Name**: XPRS.

13. Click **Next**.

14. In the **Password** screen, leave the password blank and click **Next**.

15. Enter the Windows 7 Professional 64-bit Product Key available on the DVD case and click **Next**.

16. Click **Next**.

17. Click **Ask me later**.

18. Set the **Time Zone** and adjust the clock as necessary and click **Next**.

19. After Windows has launched, open **Computer** and copy the supplied **Archive** folder to the root of **C:** drive.

20. Right-click on **Computer** and select **Manage**.

21. Expand **Local Users and Groups** and click **Users**.

22. Right-click on **Administrator** and select **Properties**.

23. Deselect the **Account is disabled** check box.

24. Click **Apply** and then click **OK**.

25. Right-click on **Administrator** and select **Set Password** and then click **Proceed**.

26. In the **New password** text box, enter `pr0gram` (0=zero) and then re-enter it in the **Confirm password** text box.

27. Click **OK**.

28. Click **OK**.

29. Right-click on **XPression** and select **Properties**.

30. In the **General** tab, verify that the **Password never expires** check box has been selected..

31. In the **Member Of** tab, verify **Administrators** in the **Member Of** list.

32. Close the **Computer Management** window.

Installing Applications

1. Go to **Computer** > **C:\Archive** and start installing applications:

    a. **Adobe Applications** folder: install all three applications and then open **Adobe Reader** and accept the license.

    b. **ASUS P6T Motherboard** folder: run **Setup** and click **Yes**.

    When the **ASUS** window opens, install the following:

    • Intel Chipset Driver
    • SoundMAX

    The system will reboot after installing SoundMAX. After the reboot, open the **ASUS** window and continue installing:

    • Marvell Yukon Gigabit Ethernet Driver
    • Marvell 61xx SATA Driver
    • ASUS TurboV
    • ASUS EPU-6 Engine

    When the application installations are complete, close the **ASUS** window.

    c. Install Intel Rapid Storage Technology 10.8.

    d. Install OEM by double-clicking **RossOEM**.

    Click **Yes** and then click **OK**.

    e. Install PNY-nVidia GeForce GTX285 or 470 GPU, dependant on the model of GPU.

    Select **Express install** and then **Restart Now**. The system reboots.

    f. Install QuickTime and do the following during the install process:

    • deselect the **Desktop shortcut** check box
    • deselect the **Automatically update** check box

    g. Install Windows Event Fix Files. Run both fixes.

    h. Install USB Serial Adapter

    i. Install **Vcredist_x86_SP1**.

    j. Install Matrox using **Install DSX.utils**.

Configuring Windows

1. Run Windows Update(s).

2. Right-click on **Computer** and select **Manage** and then in the **Computer Management** window do the following:

   a. Click **Disk Management**.

   b. Right-click on **Recovery** and select **Change Drive Letter and Paths**.

   c. In the **Change Drive Letter and Paths for RECOVERY** window, click **Change**.

   d. Select **R:** and click **OK** and then click **Yes**.

   e. Change the CD_ROM to E:\.

3. Click **Device Manager** and do the following:

   a. Right-click on each of the three **Base System Device** items and select **Disable**.

   b. Click **Yes**.

4. Click on SD host adapters and do the following:

   a. Right-click on **SDA Standard SD Host Controller** and select **Update Driver Software**.

   b. Click **Browse my computer for driver software**.

   c. Click **Browse** and select **Computer** > **Archive**.

   d. Select **AEC_PCIeTC** and click **OK** and then click **Next**.

   e. Select the **Always trust** check box and click **Install**.

   f. Click **Close**.

   g. Exit **Computer Management**.

5. Open **Control Panel** and select **Large icons** in the **View by** list.

6. Open **nVidia Control Panel** and do the following:

   a. In the **Desktop** section in the menu, deselect all check boxes.

   b. In the **3D Settings** select **Manage 3D Settings**.

   c. In **Manage 3D Settings**, select **Power management mode**.

   d. In the list, select **Prefer maximum performance** and click **Apply**.

   e. In **Control Panel** click **Action Center**.

   f. In the **Control Panel Home** section, click **Change User Account Control settings**.

   g. In the **User Account Control Settings** window, move the slide bar down to **Never notify**.

   h. Click **OK** and then click **Yes**.

   i. In the **Security** section and in the **Maintenance** section, click each instance of **Turn off messages** to turn off the notifications.

7. Open the **Control Panel** > **All Control Panel Items** > **Administrative Tools** and then double-click **Local Security Policy** to open the **Local Security Policy** window and do the following:

   a. In the **Local Security Policy** window, double-click **Local Policies** and then double-click **Security Options**.

   b. Scroll down and open **User Account Control: Behavior of the elevation prompt for administrators in Admin Approval Mode**.

   c. In the **Local Security Setting** tab, use the list to select **Elevate without prompting**.

8. Go to **Control Panel** > **All Control Panel Items** > **Folder Options** to open the **Folder Options** window and do the following:

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   a. In the **View** tab, deselect the **Hide extensions for known file types** check box.

   b. Click **Apply** and then click **OK**.

9. Go to **Control Panel** > **All Control Panel Items** > **User Accounts** and do the following:

   a. In the **Make changes to your user account** section, click **Change your picture**.

   b. Browse to **C:\Archive\XPression Desktop & Icon** and double-click **XPressionX.png**.

   c. Click **Manage another account**.

   d. Select **Administrator** and change the picture to the same one as the XPression user account.

10. Go to **Control Panel** > **All Control Panel Items** > **Personalization** and do the following:

   a. At the bottom of the **Change the visuals and sounds on your computer** section, click **Desktop Background**.

   b. Browse to **C:\Archive\XPression Desktop & Icon** and deselect the check box for the XPression 'X' icon graphic.

   c. Under **Picture position** use the list to select **Stretch**.

   d. Click **Save changes** and close the window.

11. Go to **Control Panel** > **All Control Panel Items** > **Power Options** and do the following:

   a. Click the **Show additional plans** arrow to expand the additional plans options and then select the **Balanced** radio button.

   b. Click **Change plan settings** for the Balanced option.

   c. Use the **Turn off the display** list to select **Never**.

   d. Use the **Put the computer to sleep** list to select **Never**.

   e. Click on **Change advanced power settings**.

   f. Expand **Hard disk** and set **Turn off hard disk after** to **Never**.

   g. Expand **USB settings** and set **USB selective suspend setting** to **Disabled**.

   h. Click **Apply** and then click **OK**.

12. Go to **Control Panel** > **All Control Panel Items** > **System** and do the following:

   a. In the **Control Panel Home** section, click **Remote settings**.

   b. In the **Remote Assistance** section in the **Remote** tab, deselect the **Allow Remote Assistance connections to this computer** check box.

   c. In the **Remote Desktop** section, select the **Allow connections from computers running any version of Remote Desktop** radio button and click **Apply**.

   d. Click **Select Users**.

   e. Click **Add**.

   f. Type XPression in the text box and click **Check Names**.

      The **XPRS/XPression** user is listed.

   g. Click **OK**.

   h. Click **Add**.

   i. Type Administrator in the text box and click **Check Names**.

      The **XPRS/Administrator** user is listed.

   j. Click **OK**.

13. Go to **Control Panel** > **All Control Panel Items** > **Windows Update** and do the following:

    a. In the **Control Panel Home** section, click **Change settings**.

    b. Use the list in the **Important updates** section to select **Check for updates but let me choose whether to download and install them**.

    c. Click **OK**.

14. Click **Start** > **All Programs** and then right-click on the **Games** folder and select **Delete**.

15. Right-click inside the **Taskbar** and select **Properties** and then do the following:

    a. In the **Start Menu** tab, deselect the **Store and display recently opened programs in the Start menu** check box.

    b. Deselect the **Store and display recently opened items in the Start menu and the taskbar** check box.

    c. Click **Customize**.

    d. Deselect **Highlight newly installed programs**.

    e. Under **Music**, select **Don't display this item**.

    f. Under **Personal folder**, select **Don't display this item**.

    g. Under **Pictures**, select **Don't display this item**.

    h. Select the **Run** command check box.

    i. Under **System Administrative tools** select **Display on the All Programs menu** and click **OK**.

    j. Click **Apply** and then click **OK**.

16. Go to **Computer** > **C:\Archive** and do the following:

    a. Double-click **ClearEventLogs.bat** to clear all event logs.

    b. Press the space bar key when done.