

Important HP Media Center PC Updates

Your system uses Microsoft® Windows® XP Media Center Edition 2005. Before starting the system and using the Media Center setup wizard, please read this updated information regarding the following topics. Please keep this information with your Media Center documentation.

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Documentation Updates

IMPORTANT: For the latest information about setting up your HP Media Center PC, refer to the *Start Here* booklet or the setup poster that was included with your HP Media Center PC.

The information in the *Start Here* booklet or the setup poster replaces the information in the “Inventory,” “Setting Up the PC,” and “Connecting the Television Signal” sections in the *HP Media Center PC Getting Started Guide*.

For additional assistance, you can go to the HP Customer Care Web site at:

<http://www.hp.com/support>

Hardware updates

The PC components listed in the “Inventory” section of the *HP Media Center PC Getting Started Guide* are not an exact representation of what was included with your HP Media Center PC.

- Some of the components listed in the *HP Media Center Getting Started Guide* are optional and are for select models only.
- Some of the components included with your PC model may not be listed in the *HP Media Center Getting Started Guide*.
- Your HP Media Center PC may not include speakers. HP speakers can be purchased separately. For some models, speakers are included with the HP Pavilion monitor.
- The HP Media Center PC comes with a camera docking bay. The camera, docking station, and the docking station bay lids are optional items that can be purchased separately.
- Information about connecting dual TV tuners (select models only) is included in the *Start Here* booklet (select models only).
- Information about connecting the high-definition digital TV (ATSC) tuner (select models only) is included in the *Start Here* booklet (select models only).

Software updates

HP Organize

The HP Organize software, mentioned in the *HP Media Center PC Getting Started Guide*, is included with select models only.

Television Program Guide

The Television Program Guide in Media Center is a service contracted by Microsoft that provides TV listings information, such as channel, network, program title, summary, and scheduled broadcast times. This service is currently not available in some countries/regions.

In countries/regions where the Guide is not available, please refer to the *Recording manually* section in the *Microsoft Windows XP Media Center Edition 2005 Software Guide* for more information about recording TV programs.

Online Spotlight

Online Spotlight is a link to the Microsoft Web site where you can find the latest Media Center information and media offers and services. This site is periodically updated by Microsoft. Some of the services listed may not be available in some countries/regions.

Your PC must be connected to the Internet to access the Online Spotlight Web site.

PC Setup Tips

Choosing a PC setup location

If you intend to connect your PC to your TV, a set-top box, or a surround sound system, HP recommends that you choose a clear working area with easy access to the connectors of these devices. If your TV is wall-mounted, make sure that you have access to the rear ports on the TV before attempting to connect it to the PC.

Choosing a display

HP recommends using a PC monitor to initially set up the PC, because it may be difficult to view text and images on a TV due to the higher resolution of Microsoft Windows XP.

Using additional video cables

NOTE: A component video output option is for select models only.

If you plan to connect your TV to the PC, you may need additional cables that are not included with your PC. HP Media Center PC models have different video output options, depending on your PC model. The options are: S-video, composite video, component, VGA, and DVI. For best video quality use the DVI, then VGA, then component option (only available on a digital TV). The next best option is S-video, followed by composite video. Check the documentation that came with your PC and TV to determine which cables you need.

NOTE: HP does not recommend video cable lengths over 1.5 meters (4.9 feet).

Using additional sound cables

If you plan to connect the PC audio to an amplifier or a TV, you may need additional sound cables that are not included with your PC. Your PC is able to output sound in several modes. Your PC has 3.5-mm female stereo headphone jacks for most outputs. Many amplifiers have RCA inputs. You need one 3.5-mm male to RCA stereo cable for stereo sound. You need three 3.5-mm male to RCA cables for 5.1 surround sound. Check the documentation that came with your audio equipment for the best input method.

Using a video game console device

If you are using a video game console device, such as a Microsoft Xbox, Sony PlayStation 2, or Nintendo GameCube, HP recommends that you connect it directly to your display device using video signal-switching hardware (not included) or connect it to a separate TV rather than connecting it directly to the PC.

Using Media Center Setup Wizard for Optional Setup of Your TV Display

If your TV connects to the system using a composite or S-video connection, the Media Center setup wizard cannot make automatic adjustment of settings for your TV display.

This automatic adjustment is available during the Optional Setup, within the option *Optimize how Media Center looks on your display*. Instead of using the wizard for automatic adjustment, set the TV display by using the Windows Desktop Properties.

The following procedure describes what to do within the Media Center setup wizard and how to use the Windows Desktop Properties to adjust settings for your TV display:

- 1 During the Media Center setup wizard, at the Optional Setup, after you select **Optimize how Media Center looks on your display**, select the display type for *Identify Your Display Type*, and then select the *Connection Type* for your TV display by proceeding as described below:
 - If you choose the option **Composite or S-video**, click **Next**, and then continue with step 2 that follows.
 - If you choose the options **DVI or VGA** or **Component (YPbPr)**, you do not need to continue with this procedure. Continue using the wizard so the wizard can adjust your TV display.
- 2 On the next screen, select **Keep my current settings and continue**, and then click **Next**. Do not select the option *Preview Automatic Adjustment*.

IMPORTANT: If you choose the option *Preview Automatic Adjustment*, the screen may appear black or seem to halt for approximately 20 seconds. Wait until the wizard screen reappears, choose **Do not adjust any settings**, click **Next**, and then continue with the next step in this procedure.

- 3 Continue using the wizard until finished, and then either close or minimize Media Center.
- 4 Right-click a free area of the Windows desktop and choose **Properties**.
- 5 Click the **Settings** tab, and then click the **Advanced** button on that tab.
- 6 Select the **GeForce 6600** or the **ATI Displays** tab, depending on your PC model. If you have a GeForce 6600 tab, follow the "Changing the display for a GeForce 6600 graphics card" procedure. If you have an ATI Displays tab, follow the "Changing the display for a GeForce 6600 graphics card" procedure.

Changing the display for a GeForce 6600 graphics card

- 1 Follow the "Using Media Center Setup Wizard for Optional Setup of Your TV Display" procedure on page 3.
- 2 Click the **GeForce 6600** tab.
- 3 Click **nView Display Settings**.
- 4 Select the **Device Settings** button, and then you can select the various screen adjustment settings.
- 5 Click **Apply** and then click **OK**.
- 6 Click **OK** again to close the window.

Changing the display for an ATI graphics card

- 1 Follow the "Using Media Center Setup Wizard for Optional Setup of Your TV Display" procedure on page 3.
- 2 Click the **ATI Displays** tab.
- 3 Click the **TV** button (the small bar above the TV icon). The TV Properties window opens. (Your TV must be connected to the system.)

NOTE: You may need to click the **On** button (at the left corner of the TV button bar) to make the On button green, and then click **Apply**.

- 4 Click the **Adjustments** tab.
- 5 Adjust the screen position or screen size, and then click **Apply**.
- 6 Click **OK** as needed to close the windows.

Correcting Your HDTV Display for Overscan

Overscan is when the outer edges of the TV signal or *picture* are cut off by the display. This may happen on some CRT-based HDTVs. If the resolution for the output to the TV is set higher than the TV can support, the picture does not display correctly.

NOTE: This procedure is only valid for displays connected to a GeForce 6600 graphics card.

To make the full desktop or picture appear on your HDTV display:

- 1 Right-click a clear area of the Windows desktop and then click **Properties**.
- 2 Click the **Settings** tab, and then click the **Advanced** button.
- 3 Click the **GeForce 6600** tab.
- 4 Click **nView Display Settings**.
- 5 Select **Clone** from the nView Display Mode drop-down menu, and then click **Apply**.
- 6 Click the **Device Settings** button, choose **Select TV format**, and then click **Advanced**.
- 7 On the TV settings page, click **HDTV Desktop**.
- 8 Make sure the "Use underscan to show the entire Windows desktop" button is highlighted.
- 9 Put a check in the "Remembering preference for the selected format," check box, and then click **OK**.
- 10 Select **Yes** to readjust your resolution and then click **OK**.
- 11 Click **OK**, **OK**, and then **OK** again to return to the desktop. All or most of the desktop should be displayed.

Configuring Audio Out

After configuring the Media Center speaker settings using the Media Center setup wizard, check that the Sound Effect Manager shows the correct speaker system setup. Use this procedure anytime you change the speaker setup.

NOTE: If you are using digital audio out, you do not need to perform this procedure.

- 1 Close or minimize Media Center.
- 2 Click the **Sound Effect** speaker icon in the system tray.
- 3 Check that the speaker setup matches your speaker system. Adjust settings if necessary.

Using HP Tunes in Media Center

To use HP Tunes and iTunes with Media Center, you need to:

- 1 Initialize iTunes by completing a setup wizard.
- 2 Add songs to the iTunes library and create playlists. HP Tunes only displays songs and playlists that exist in iTunes.

NOTE: If you do not complete these steps, an error message is displayed when HP Tunes is launched indicating that a problem has occurred in iTunes that is preventing this program from running.

Completing the iTunes Setup Wizard

- 1 Close Media Center, if open.
- 2 Double-click the **iTunes** shortcut icon on the desktop.
- 3 When the *iTunes Setup Assistant* wizard opens, follow the onscreen instructions.
- 4 Close iTunes.
- 5 Open Media Center, and then open HP Tunes.



Adding songs to the iTunes library

You can add songs to the iTunes library from HP Tunes in Media Center or from iTunes on your desktop.

To add songs using iTunes:

- 1 Double-click the **iTunes** shortcut icon on the desktop.
- 2 Insert a CD into the drive. After a moment, the songs on the CD are listed in the iTunes window.
- 3 Click the **Import** button at the top right corner of the iTunes window.



NOTE: For more information about adding songs and creating playlists in iTunes, see the Help menu in iTunes.

Adding songs in HP Tunes

You can add songs to the iTunes and HP Tunes library from HP Tunes in Media Center.

To add songs using HP Tunes:

- 1 Press the Media Center Start button on the remote control and then select **HP Tunes**.
- 2 Insert a CD into the drive.
- 3 Select **Albums**.
- 4 Select the music CD.
- 5 Select **Copy CD**. The songs are added to your music library.



Delays with HP Tunes

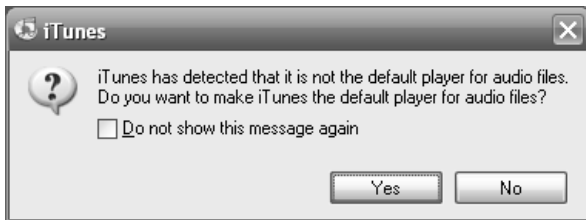
When using HP Tunes, you may experience some delays or HP Tunes may not function properly. These delays can occur because:

- There is an audio CD in the drive and HP Tunes is attempting to connect to an Internet database to find music information, such as song titles.
- There is a large collection of songs in your music library.
- Windows Media Player or another music playback program is set as the default player. See the following procedure.

Selecting a default audio player

If you have already set your default audio player to Windows Media Player, you may experience a delay when trying to open HP Tunes. To resolve this issue:

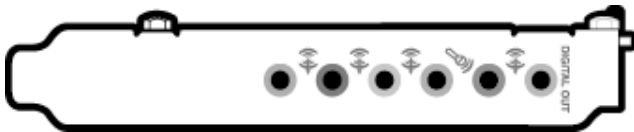
- 1 Close Media Center, if open.
- 2 Double-click the **iTunes** shortcut icon on the desktop.
- 3 When the iTunes default player for audio files window appears, place a check mark in the *Do not show this message again* checkbox, and then click **Yes** or **No**.



- 4 If you have not completed the iTunes Set-up Assistant wizard, follow the onscreen instructions.
- 5 Open Media Center, and then open HP Tunes.

Connecting 7.1 Speakers or Digital Audio to a Sound Card

If you have a sound card and you want to connect 7.1 speakers, you must purchase Creative Inspire T7700 speakers.



If you have a sound card and you are connecting your home stereo AV receiver via Digital Out, connect the red RCA stereo plug on the 3.5-mm Y cable to the AV receiver's digital input connector. If the red RCA stereo plug does not work, try the white stereo plug. One of the connectors is not used.



Connecting the High Definition ATSC DTV Signal Source to the HP Media Center PC

If your HP Media Center PC includes an optional ATSC DTV tuner card, you can view and record ATSC channels. Media Center supports over-the-air ATSC Digital TV only.

Over-the-air ATSC digital TV requires a UHF antenna (not provided) to receive the digital signal. Your location must be within an ATSC DTV broadcast area.

NOTE: An ATSC TV tuner that supports high definition TV is included with select models only.

What is HDTV?

ATSC (Advanced Television Systems Committee) is the official name of the DTV picture format that is in use in the United States and North America.

DTV (Digital Television) is the umbrella term used to describe the new digital television way of transmitting television signals. If there is a DTV connector on the back of your HP Media Center PC, you can receive ATSC signals. DTV includes many formats of high definition TV that can broadcast an image resolution of up to 2 million pixels.

HDTV (High Definition Television) is the highest quality DTV standard. HDTV provides increased picture detail (720p, 1080i) with a widescreen 16:9 aspect ratio and higher quality audio such as surround sound, on a display that supports digital TV.

NTSC (National Television Systems Committee) is standard (analog) TV. Standard TV broadcasts an image resolution of about 210,000 pixels and is distributed today through antenna, cable, digital cable, or satellite.

Connecting an ATSC (DTV) antenna

NOTE: Refer to the *Start Here* booklet for specific instructions on connecting an ATSC antenna. The ATSC connector on the back of the HP Media Center PC is labeled *DTV Ant*.

You can attach an external roof UHF antenna to connect the HP Media Center PC for watching DTV channels.

You must purchase an indoor or outdoor antenna separately. A UHF antenna will receive NTSC and ATSC channels, depending on the quality of the antenna, geographic location, and broadcast reception strength.

You might have to reposition the antenna for best reception. Position the antenna based on the following general criteria:

- Higher is better than lower. The ideal position is above the roofline.
- Closer to or facing the broadcast tower is better than farther away or facing away from the broadcast tower.
- Larger typically receives stronger signals than smaller.
- Outdoor is better than indoor because there is less interference.

Refer to <http://www.antennaweb.org> for more information about:

- The channels available in your area. The channels may be color-coded by zone. Match your antenna to your zone.
- Selecting the kind of antenna you need, depending on the channels you want to receive.
- What direction to point your antenna.
- Positioning an HDTV antenna for best reception.

TV signal source overview

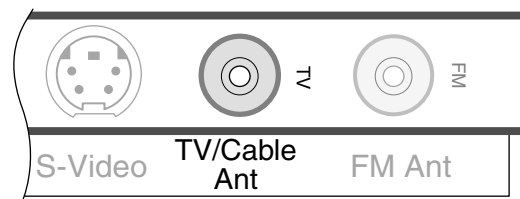
You must have a TV signal connected to the HP Media Center PC for proper operation. The connectors on the back of the PC are Input 1, Input 2, and DTV Ant:

- For an NTSC cable TV box, digital cable box, or satellite receiver: use Input 1 or Input 2 (select models only).
- For an NTSC analog cable RF coaxial connector: use TV/Cable Ant.
- For ATSC high definition DTV Ant connector: use DTV connected to a UHF antenna.

For NTSC dual tuner configurations, both TV sources must be of the same type: either cable TV, digital cable TV, satellite TV, or antenna. The TV sources must also have the same, identical channel line-up; for example, if you are using two satellite TV sources, they must provide the exact same channels.

All TV viewing and scheduling is provided through the Guide, so both TV sources must have identical television guides.

If you are using the TV/Cable Ant input connector on a dual tuner card to connect an antenna or analog cable, the dual tuner card has an internal cable that connects the signal to both TV tuners inside of the PC.



Do not switch video types, such as connecting S-video In to Input 1 and Composite Video In to Input 2.

About Digital TV in Media Center

Digital TV for Windows XP Media Center Edition 2005 is available in the United States only. Refer to the *Readme for Update 1 for Windows XP Media Center Edition 2005 with HDTV* for all digital TV requirements. Refer to the Microsoft Web site at: <http://www.microsoft.com>

Typical ATSC DTV Source Connections

These are only suggested configurations. Your system may be different. Select the configuration that most closely matches your home system.

NOTE: See the *Start Here* booklet for more detailed illustrations of some of the following configurations.

TV source	Configuration	Connectors
DTV	ATSC DTV only from UHF Antenna	DTV Ant (ATSC)
Antenna	NTSC from VHF Antenna ATSC from UHF Antenna	TV/Cable Ant (NTSC) DTV Ant (ATSC)
Cable	NTSC Cable directly from the wall (without a set-top box or receiver) and ATSC from UHF antenna	TV/Cable Ant (NTSC) and DTV Ant (ATSC)
	One NTSC cable TV box and ATSC from UHF antenna	Input 1 (NTSC) and DTV Ant (ATSC) Or TV/Cable Ant (NTSC) and DTV Ant (ATSC)
	Two NTSC cable TV boxes and ATSC from UHF antenna	Input 1 (NTSC) Input 2 (NTSC) DTV Ant (ATSC)
Digital Cable or Satellite	One NTSC digital cable or satellite receiver and ATSC from UHF antenna	Input 1 (NTSC) and DTV Ant (ATSC) Or TV/Cable Ant (NTSC) and DTV Ant (ATSC) from UHF antenna
	Two NTSC digital cable or satellite receivers and ATSC from UHF antenna	Input 1 (NTSC) Input 2 (NTSC) DTV Ant (ATSC) from antenna
	One NTSC and ATSC digital cable or satellite receiver	Connect the ATSC signal directly to your TV/display Refer to the TV/display documentation.
	Two NTSC and ATSC digital cable or satellite receivers	Connect the ATSC signal directly to your TV/display Refer to the TV/display documentation.

Finding Your Standard TV and HDTV Channels in Media Center

(Select Models Only)

After you complete the Media Center and Digital TV setup wizards and then download your Guide, the Guide may display incorrect ATSC HDTV channels. Some channels may have an incorrect channel number and other channels may not be displayed at all. These HDTV channels may be available in your area, but they may not be listed in the Guide.

NOTE: Broadcasters sometimes use two channels: one for Standard TV (NTSC) and one for HDTV (ATSC). An HDTV channel can broadcast several programs at the same time.

A more complete ATSC channel guide is available from Titan TV. To use Titan TV, refer to the following procedures.

NOTE: Your PC needs an Internet connection to access the Titan TV guide.

About Titan TV

Titan TV is an online television listings guide that provides local digital and HDTV program schedules that are available at your exact location. After you register with Titan TV and then download the software for the Titan TV guide, you access the Titan TV guide Web page.

With Titan TV you can:

- View and search up to two weeks of TV listings and program description information.
- Filter programs by category (news, comedy, drama, children, and so on).
- View up to six hours of programming at a time.


- Pick out the HDTV programming available to you by denoting HDTV programs with a red HD in the Guide.
- Search specifically for HDTV shows on the Enhanced Search page.
- Add to or delete channels from any lineup.
- Create a Favorites tab with all of your preferred channels.

Downloading the Titan TV guide

The Titan TV guide is a Web page where you can check your TV listings. This guide is separate from the Media Center Guide. Your PC must be connected to the Internet to access the Titan TV guide.

NOTE: It is best to select programs to watch and record from the Media Center Guide.

To download the Titan TV guide:

- 1** Click **Start** on the taskbar and then click **Media Center** or press the Media Center Start button on the remote control. 
- 2** Select **Online Spotlight**.
- 3** Select **Titan TV** and then follow the instructions to register with Titan TV. Then download the Titan TV software to view the Web page.
- 4** After you download the Titan TV guide, you can access it from More Programs. Press the Start button on the remote control, select **More Programs**, and then select **Titan TV** to open your Titan TV guide.
- 5** If the channels differ from the Media Center Guide, you can add, delete, and edit channels to the Media Center Guide. See the following procedures.

NOTE: For more information about Titan TV, you can go to their Web site at <http://www.titantv.com>

Setting up the HP Media Center PC for digital TV (ATSC)

(Select models only)


To set up your HP Media Center PC for over-the-air antenna-supported digital TV:

- 1 Set up the PC by using the *Start Here* booklet. For additional setup information, you can refer to the *HP Media Center PC Getting Started Guide*.
- 2 Click **Start** on the taskbar, and then click **Media Center**.
- 3 Complete the Media Center setup wizard. If you have an Internet connection, Media Center can download the Guide for your area.
- 4 If your PC includes an HDTV (ATSC) tuner card, the Digital TV setup wizard opens automatically. Complete the Digital TV wizard.
- 5 Optional step: Download the Titan TV guide. See *About Titan TV* and *Downloading the High Definition TV (Titan TV) Guide*.
- 6 Record the HDTV channels so you can add them to the Media Center Guide.
- 7 Edit the Media Center Guide to include the ATSC channels in the Titan TV guide. You can do this in two ways:
 - Add digital channels; see “Adding Digital Channels to the Media Center Guide.”
 - Edit digital channels; see “Editing Channels in the Media Center Guide.”

Adding digital channels to the Media Center Guide

After you complete the Media Center setup wizard and download the Guide, you may find that some of the HDTV channels are missing or don't match the channels you find in the Titan TV guide.

To add your HDTV channels to your Media Center Guide:


- 1 Click **Start** on the taskbar and then click **Media Center** or press the Media Center Start button on the remote control. 

- 2 Select **More Programs** and then select **Titan TV**. The Titan TV guide opens in a separate window. Like the Media Center Guide, the Titan TV guide lists both Standard TV and HDTV channels.
- 3 Press **Guide** on your remote control. The Media Center Guide opens. With both guides open, make a list of the channels that are incorrect or missing from the Media Center Guide.
- 4 Press the **Start** button on the remote control.
- 5 Select **Settings, TV**, and then select **Guide**.
- 6 Select **Add Missing Channels** and then select **Add DTV Channel**.
- 7 Use the numeric keypad on your remote control to enter the name of the missing channel.
- 8 Select **Next**.
- 9 Enter the correct channel number for the channel name you entered, and then select **Add**.
- 10 Select **Assign channel ## to ##** or select **Share channel ##**.
- 11 Select **Done** when you have finished adding all of your channels.

Editing channels in the Media Center Guide

After you complete the Media Center setup wizard and download your Guide, you may find that some of the channels don't have a strong signal.

To remove channels which do not have a strong signal from the Guide:

- 1 Press the Media Center Start button on the remote control. 
- 2 Select **Settings, TV**, and then select **Guide**.
- 3 Select **Edit Channels**.
- 4 Select or clear a check box next to the displayed channel to add or remove a channel.
Or
Select **Edit Numbers**, select a channel number, and then enter a new number to enter the correct channel number. This changes the channel assignment to match your Guide listings or it allows you to set up a channel that is shared.
- 5 Select **Save** to save your changes.

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