



Intel® Viiv™ Technology

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What You Need To Get Started

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This document describes features that are planned to be supported in software releases available now or later in 2006. Some Intel® Viiv™ technology verified devices may not support all capabilities of Intel Viiv software. Intel may make changes to specifications and product descriptions at any time, without notice.

1 Verified devices and services will vary, and content restrictions may apply. Wireless and network performance varies with specific hardware and software configurations, usage, and environmental interference. Use a wired connection for improved performance with video and other media. May require TV tuner card and/or remote which may be sold separately. Instant on/off feature works after initial boot, when activated. Intel network setup software currently requires a verified router and DHCP ("Always On") or PPPoE broadband connectivity protocols. Check router and your current ISP specifications before purchasing. See [www.intel.com/go/viiv\\_info](http://www.intel.com/go/viiv_info) for more information.

^Remote may be sold separately

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# Contents

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What You Need .....	5
Intel Viiv Technology-based PC and Peripherals.....	6
Connectivity and Networking.....	7
Networked Media Devices .....	8
Additional Items .....	8

What You Need

## What You Need

This document discusses the hardware and additional items needed to set up a new home network<sup>1</sup> using an Intel® Viiv™ technology-based PC and verified devices. The following table provides a quick overview of the hardware and technology needed to set up a new home network. Click the table section headings or continue reading for details about each hardware item and suggestions on where to place them.

If you have an existing home network and plan to add a networked media device (NMD), you may find the following information helpful because it defines hardware needed to connect the NMD to the Intel Viiv technology-based PC and television.

**Table 1 Hardware List and Suggested Locations for a Home Network**

<a href="#">Personal Computer and Peripherals</a>	
Hardware	Suggested Placement
Intel Viiv Technology-based PC	Office or television room
Remote Control and IR Controller (optional)	Office or television room
Speakers (optional)	Office and/or television room
<a href="#">Connectivity and Networking</a>	
Hardware	Suggested Placement
Broadband Modem	Near the Intel Viiv Technology-based PC
Router	Near the Intel Viiv Technology-based PC
<i>or</i>	
Combined Router/Modem	Near the Intel Viiv Technology-based PC
<a href="#">Networked Media Device</a>	
Hardware	Suggested Placement
Digital Media Adapter	Next to your television
Television	Your favorite viewing area
<a href="#">Additional Items</a>	
Internet Service Provider	
Microsoft* Windows* XP Media Center Edition 2005 Update Rollup 2	

## Intel Viiv Technology-based PC and Peripherals

### Intel® Viiv™ Technology-based PC

Intel Viiv technology-based PCs with the Intel Viiv logo contain the Intel hardware and software and operates on Microsoft Windows XP Media Center Edition 2005 Update Rollup 2.

**Placement Suggestion:** Place the Intel Viiv technology-based PC near your existing broadband (DSL or cable) Internet connection and your modem. The Intel Viiv technology-based PC does not need to be near your television if you plan on setting up a wireless NMD.

### PC Remote Control and USB IR Remote

You can use the Intel Viiv technology-based PC remote control to interact with the Intel Viiv software. The PC remote is optional and may be sold separately.

Infrared (IR) controller allows the Intel Viiv technology-based PC remote control to communicate with the PC. You point the PC remote control at the USB IR box to interact with the PC. The infrared remote can be built into the computer or external device that connects through universal serial bus (USB).

**Placement Suggestion:** The USB IR remote control needs to be connected to the PC USB port.

### Speakers

Intel Viiv technology supports Intel High Definition Audio which provides home theater quality 5.1 sound capabilities with support for up to 7.1. These optional speakers may be sold separately.

**Placement Suggestion:** Place the PC speakers near the PC or near networked devices.

## Connectivity and Networking

### Broadband Modem

The broadband modem connects the PC to the Internet.

**Placement Suggestion:** Place the modem near the Intel Viiv technology-based PC and Internet outlet. The modem needs to be connected to the router with an Ethernet network cable.

### Intel Viiv Technology Verified Wireless Router

The Intel Viiv technology verified wireless router allows wireless access to other wireless devices. You can connect the router to the Intel Viiv technology-based PC through an Ethernet network cable.

A list of verified routers is available at <http://www.intel.com/go/rml/>.

**Placement Suggestion:** Place the wireless router near the Intel Viiv technology-based PC if you are using an Ethernet network cable to connect the Intel Viiv technology-based PC to the router. See the router manufacturer's documentation for wireless placement recommendations.

### Combined Router/Modem

The combined router/modem, also called a gateway router, combines the router and modem into one unit. If you have this, you do not need a separate router or modem.

**Placement Suggestion:** Place the combined router/modem near the Intel Viiv technology-based PC.

## Networked Media Devices

Intel Viiv technology verified NMDs extend access to media stored on your PC throughout your home. Digital media adaptors (DMAs), connected televisions, set-top boxes, and other streaming devices are types of NMDs.

The follow is an example of how to use a NMS in your home network. You can attach a DMA to your television and access digital entertainment from online services or from your Intel Viiv technology-based PC in your home office. With the help of Intel Viiv software, the DMA wirelessly connects to the PC allowing you to view and listen to media (stored on your Intel Viiv technology-based PC in your home office) from the comfort of your couch.

**NOTE:** If you are connecting a DMA to a television, the television may need either an S-video or RCA connections (yellow, red, and white connections). You may also need an S-video or RCA cable to connect the television to the DMA.

A list of verified networked media devices is available at <http://www.intel.com/go/rml/>.

**Placement Suggestion:** If you are connecting the NMD to the Intel Viiv technology-based PC with an Ethernet network cable, the NMD placement is limited by the length of the cable.

## Additional Items

### Broadband Internet Service Provider

Broadband Internet service providers provide access to the Internet.

Intel Viiv technology network set up software supports the Dynamic Host Configuration Protocol (DHCP) and Point-to-Point Protocol over Ethernet (PPPoE) Internet protocols. It does not support other Internet protocols such as:

- PPP over ATM (PPPoA)
- Point-to-Point Tunneling Protocol (PPTP)
- Layer 2 Tunneling Protocol (L2TP)
- Static Internet Protocol (static IP)

Contact your Internet service provider to verify what Internet protocols you are using.

**WARNING:** If you have an unsupported protocol and use Intel Viiv technology to set up your router, you can lose connectivity to the Internet.

### Operating System

Intel Viiv technology requires Microsoft Windows XP Media Center Edition 2005 Update Rollup 2.