

# Welcome to the Digital Home Network!

Imagine that you could simultaneously watch and record a television program, wirelessly, on your notebook. Or use the TV in your upstairs bedroom to access music files stored on the PC in your main floor office. Kind of sounds like a futuristic fantasy, doesn't it? In fact, these scenarios fit snugly under a very real concept: the digital home network. It's closer to reality than you might think.

This feature describes what a digital home network is and discusses:

- The future of digital home networking
- Why consumers want digital home networking
- What the DLNA is and how this organization is supporting the evolution of digital home networking
- How you can enjoy the benefits of sharing digital content using technology that is available today.

## A glimpse into the future of digital home networking

Visitors to Toshiba's "Future Home AV Network" exhibit at CeBIT 2005 previewed the possibilities offered by a digital home network. In a three-part demonstration, Toshiba showed how easy it is to share music, video and pictures on devices throughout the home by seamlessly linking its diverse technologies and systems in an interoperable network. Visitors to the demonstration could watch TV programs wirelessly on a PC; use the Toshiba W21T Bluetooth-enabled mobile phone to control AV applications on a PC; and play back PC-stored music, photo and movie files on a TV.

## Why consumers want digital home networking

The explosion of digital technology in recent years has empowered today's tech-savvy consumers to stay home and entertain themselves. And they are more than happy to do just that, having discovered the fun and satisfaction associated with enjoying entertainment through devices such as PCs, audio systems, TVs, DVD players, digital cameras and mobile phones. Less fun, indeed even frustrating at times, is the need to manage the large



*Visitors to Toshiba's "Future of Home AV Network" exhibit at CeBIT 2005 received a hands-on look at the possibilities offered by the digital home network.*

amount of digital content generated by these disparate devices.

## Help! My digital content is stranded!

In an Overview and Vision white paper published in June 2004, the Digital Living Network Alliance (DLNA) categorizes digital media into three "islands" within the home that don't typically communicate or share information:

- **PC Internet World** – where PC and PC peripherals communicate with one another.
- **CE Broadcast World** – includes technology such as set-top boxes (STB) and traditional consumer electronics, such as TV, DVD, recording, CD and MP3.
- **Mobile World** – includes multimedia phones, PDA's, and notebook computers.

The consumer wish for these islands is simple: they just want all of their devices to get along. In other words, they want a seamless experience where digital content can be stored, transported and enjoyed on any device in the home, whether it's the TV in their living room, the CD player in their kitchen, or the notebook they move from room to room.

## Enjoy the benefits of the digital home network, without the wait

As the CeBIT 2005 exhibit clearly demonstrated, Toshiba is working hard to develop products in adherence with DLNA open standards guidelines, which will help to build sustainable bridges between the PC, CE and mobile islands. In the meantime, there is a solution available today that enables you to enjoy the benefits of the digital home network in one device.

Qosmio, from Toshiba, is a revolutionary new portable home entertainment center born of the convergence of the AV and PC worlds. Qosmio provides a single platform that lets you surf, game, watch TV or DVDs, listen to music, and record shows for viewing later.



*Toshiba's Qosmio is a 4-in-1 system for digital entertainment and home computing.*

- **It's an LCD television** – A built-in TV tuner and QosmioPlayer let you watch favourite TV shows

### What is the DLNA?

The Digital Living Network Alliance, or DLNA, is a fusion of industry leaders who share the common vision of a wired and wireless interoperable network of Personal Computers (PC), Consumer Electronics (CE) and mobile devices in the home. The DLNA aims to define a framework of interoperability that will empower consumers to easily and conveniently enjoy ubiquitous digital media content delivery—on any device and in any location within the home.

▶ [DNLA website](#)

anywhere, with unbelievable brightness and clarity.

- **It's an HDD/DVD recorder** – Enjoy movies, record programs, and create your own customized AV collections.
- **It's a virtual surround sound system** – Your audio will sound fuller, richer and wider thanks to outstanding SRS® TruSurround XT™ virtual surround sound technology, SRS® WOW™ and state-of-the-art Harman Kardon® stereo speakers.
- **It's a powerful, versatile PC** - You can easily connect to your home network, the Internet or to other Bluetooth®-enabled devices thanks to Intel® Centrino™ mobile technology, integrated Wireless LAN and Bluetooth™.

## Make life simple ... and more entertaining!

With Toshiba and other industry leaders creating new DLNA-friendly products, there's no doubt that the digital home network will be a viable option in the very near future. In the meantime, those who want to experience the ease and flexibility associated with free-flowing digital content can take advantage of products such as Toshiba's Qosmio, the best mobile hub for smart entertainment that you control.