

Logitech **diNovo™** *Media Desktop™*



Reviewer's Guide
October 2003

The evolving desktop

Logitech has pioneered computer peripheral design in the last decade, creating a range of devices to suit the needs of a wide variety of users. In particular, it has concentrated on solving three particular problems: finding better and simpler ways for people to use the features of their computers, getting rid of the cables that clog up people's desks and reducing the strain that long hours at the computer inevitably cause. diNovo Media Desktop, its latest and most advanced keyboard/mouse combination, sets new standards in all of these areas, using the most sophisticated Bluetooth wireless technology and an innovative design to make life easier for PC users everywhere.

The pleasure principle

The PC has been widely accepted as a tool for accomplishing tasks such as word processing or spreadsheeting, and more recently for communicating, gathering and disseminating information across networks, especially the Internet – the so-called first and second waves of personal computing. But as PCs have become more powerful and their capabilities more extensive, they have entered a third wave – entertainment. The biggest improvements centre around the use of PCs as entertainment centres, driven by the desire of their owners to listen to music in CD and digital formats, play DVDs and download video from public Internet sites across newly-available broadband networks.

The PC is rapidly becoming a 'digital hub', used to access and control digital media and devices of many kinds – the logical control centre of the home's leisure activities. Now, personal computers are the means by which we manage music, video, photographs and games – a trend that will continue to accelerate for the foreseeable future. Logitech's diNovo Media Desktop, its innovative Bluetooth Wireless Hub and the MediaPad are the first mainstream products that advance the ways in which that happens, and that gives users real control over the new opportunities afforded by emerging digital technologies from digital cameras, webcams and camcorders to phones, headsets and PDAs.

The MediaPad: A unique design component



diNovo's MediaPad is a separate numeric keypad that also acts as a remote commander for your PC's multimedia features. Fully Bluetooth-enabled in its own right, the MediaPad includes keys and controls for on-screen navigation, calculator functions and remote control of media applications such as Windows Media Player or Logitech's own Media

Desktop. Equipped with its own LCD display, MediaPad notifies you of new email or instant messages, displays song and artist details for music you're listening to and lets you control your PC up to 10 metres from your desk.

Like the main diNovo keyboard, the MediaPad has been designed to maximise comfort for its users. The same low profile and design features combine with easily-accessible keys to switch between its main functions. One particular improvement over existing keyboard designs is its portable nature. On the desktop, it can sit either directly in front of the user for easier data access and better posture; or, more usually, it can be located to the right of the mouse (or left, for left-handed users), thus placing the mouse closer to the alpha keys that are most often used. Recent research in Sweden and the United States shows that such placing can improve productivity in PC users; access to the mouse is quicker, and the muscular and postural strain caused by repeatedly stretching the hand and shoulder is reduced.

Other features and benefits

Bluetooth technology. The new diNovo keyboard is the most advanced cordless keyboard on the market today, using high-frequency Bluetooth radio signals to communicate with your PC. Supplied with the Bluetooth Wireless Hub, it provides the performance of a corded keyboard, while retaining all the benefits of a cordless design. Unlike other Bluetooth devices, diNovo and the MX900 mouse work straight out of the box with no need for additional software, thanks to Logitech's unique embedded Bluetooth hardware.

MX900 Mouse. The MX900, included as a standard part of the diNovo package, is the most advanced mouse ever built. Based on Logitech's award-winning MX700 design and MX Optical Engine, the MX900 includes an 800 dpi sensor which captures 4.7 megapixels of data every second, measuring even the smallest movement on any surface. Equipped with a Cruise Control system for faster Internet scrolling and navigation, a Quick Switch selector for swapping rapidly between programs and a rapid-charge base station (part of the Bluetooth wireless hub), the MX900 is the perfect mouse for Internet users.

Intelligent software. The diNovo package includes innovative software that helps you set up and configure all your Bluetooth devices as simply as possible. Use the new SetPoint software to fine-tune the way your keyboard and mouse work, and customise the task keys and buttons to work the way you want them to. Send and receive SMS messages from your PC via your Bluetooth mobile phone, without ever needing to pick up the phone itself. Turn your PC into a state-of-the-art media centre with Media Desktop, an application that gives you single-point access to all your digital audio, video and pictures.

Installing the diNovo Keyboard

- Turn off your PC.
- Install batteries in the keyboard, MediaPad and MX900 mouse. The keyboard itself requires four standard AA batteries; the MediaPad requires two standard AA batteries. The MX900 requires two rechargeable NiMH batteries, supplied with the package.
- Connect the Bluetooth wireless hub to its power supply. The power supply's jack fits into the connector at the junction box on the hub's cable. Plug the power supply into an AC mains socket.
- Plug the Bluetooth wireless hub into your PC. The hub has two connectors; one USB connector and a standard PS/2 keyboard connector. The PS/2 connector is only required for PCs that insist on having a PS/2 keyboard attached in order to boot (the so-called 'legacy boot issue'). You must plug the USB connector into a USB socket on your PC, not into a USB hub.
- Turn on the PC. The computer will boot up as normal, and you should be able to use the keyboard and mouse straight away. If they fail to respond, press the Connect button on the front of the wireless hub and wait for the blue light to start flashing; then press the Connect button on the underside of the keyboard, MediaPad and mouse in turn. When the connection is made, the blue light on the hub will turn solid.
- Install the software on the supplied CD. The CD includes the full Bluetooth software stack that enables diNovo's advanced Bluetooth features, as well as the SetPoint software for configuring the keyboard, MediaPad and mouse. If you want to install the Media Desktop and Mobile Phone Suite software, make sure those options are checked when prompted by the installation program.
- Follow the on-screen instructions for completing the software installation. You will be asked to reboot the computer after the first stage; on restarting, a series of software wizards will finish setting up and configuring your diNovo keyboard. Let these wizards complete the installation process. This can take a few minutes, as the CD contains Bluetooth software together with specific instructions to load the mice and keyboard in various Bluetooth modes. Once the software installation is complete, you can begin to use the keyboard, mouse and Bluetooth wireless hub.

An important feature of Logitech's Bluetooth products is that they also work in 'embedded' mode, without the need for any additional software – just plug the wireless hub in to a USB port and it will automatically detect the keyboard and mouse, with no additional configuration. This has some specific benefits that give it a huge advantage over other Bluetooth products:

- You can immediately access keyboard and mouse functions as the computer boots, without the PC freezing because it can't find cabled versions.
- You can access your PC's BIOS setup program or enter a password to access the system.
- You can access your PC in Windows's Safe Mode after a system crash or a virus infection, without the need to load keyboard or mouse drivers.

Using the diNovo keyboard

The diNovo keyboard works like any other keyboard. It is equipped with standard-full-sized alphanumeric keys for typing, as well as a range of pre-configured function keys for running standard tasks within Windows. Note the following features:

Enhanced function keys along the top line of the keyboard. These keys provide one-touch navigation functions for opening commonly-used folders such as My Pictures.

Hot Keys in the upper left-hand corner of the keyboard. These simple, stylised keys let you put your PC into sleep mode, navigate directly to your Internet browser's home page, launch your default email program and search the Web with the search engine of your choice.

Integrated palm rest for comfort and safety. The palm rest helps your wrists to remain flat and unflexed while typing, reducing strain injuries and helping you type more comfortably.

Audio controls in the upper right-hand corner of the keyboard. Use these to increase or decrease the volume of your speakers, or mute them altogether.

Media controls at the bottom right-hand corner of the keyboard. The Media button launches your default media program; after installing all the software, this will be set as Logitech's Media Desktop software. The control pad includes play, pause, stop and previous/next keys to help you manage your digital audio and video files quickly and easily.

Note that many of the function keys and controls can be customised with the SetPoint software. To use this, double-click on the SetPoint icon (the Logitech logo) in the system tray in the bottom right-hand corner of your screen and select the Keyboard tab.

Using the MediaPad

diNovo's MediaPad is a sophisticated tool for controlling elements of your PC. Because it sits apart from the main keyboard itself, it is a flexible tool for both working with applications while sitting at the keyboard, and for controlling the media features of your PC while away from it. Because it is fully Bluetooth-enabled in its own right, it needs no cables or connections to the main keyboard – it works up to 10 metres away from the Bluetooth Wireless Hub.

Key features

Large LCD display for notification of events. The LCD will display the time and date from your PC's clock. It automatically updates this information when your PC is on. When you get new email, you'll receive a notification message on MediaPad's display, complete with the email subject and the sender's name. Similarly, if you use an instant messaging program such as MSN Messenger, you'll be notified when a contact comes online and when a new instant message is received. When listening to music files on your PC, the MediaPad will show the track title together with the length of the song and the amount of time remaining.

Multi-function capability. The MediaPad operates in three modes, selected by pressing the buttons under the LCD display.

- The ***Calculator*** function allows you to use the MediaPad as a simple device for quick calculations without the need for a separate software program. Because of its bi-directional communication with your PC, you can paste the results of your calculations from the MediaPad directly into applications such as Excel. The results of each calculation are sent automatically to your clipboard each time you press 'Enter.'
- The ***Navigation*** function lets you navigate between media selections using back, forward, open and close buttons. You can also use these keys to navigate between slides in a presentation. To launch your media player software, press the Media button on the media control pad on either the keyboard or the MediaPad.
- The ***Numeric Keypad*** function lets you type numbers into any application running on your PC, in exactly the same way as the standard keypad at the side of a traditional keyboard.

Media controls for launching your default media program and controlling playback. Identical to the controls on the main diNovo keyboard, these controls are complemented by visual feedback on the LCD display showing the song and artist for music tracks being played. You can use the MediaPad up to 10 metres away from your desk to select and play digital media of your choice.

Volume controls in the upper right-hand corner for increasing, decreasing or muting the sound from your speakers.

Usage models

Work: Typically, the MediaPad is most useful at the desktop in Keypad and Calculator modes. Most users will find it a big improvement on the numeric keypad included with standard keyboards, thanks to its improved features and greater accessibility. The Calculator function removes the need to run a separate software program for simple numeric calculations.

Play: The MediaPad has some unique features for controlling the media capabilities of your PC from the sofa or armchair. Use the Media button to launch Logitech's Media Desktop application and play digital music stored on your hard disk, or CDs and DVDs. Media Desktop is closely integrated with the MediaPad's media controls, and is designed to display track names and other relevant information about the media currently playing in large fonts visible from a distance. Because Bluetooth is a non-directional radio technology, there is no need to point the MediaPad at the computer; the Wireless Hub picks up and responds to commands irrespective of where the MediaPad is located.

Communicate: Away from your PC, use the MediaPad to get notification about Buddies who come online on instant messaging or about who send you email. These notification messages will appear on the LCD screen of the MediaPad. The MediaPad also contains a speaker so that it can be made to alert you. The notifications together with the speaker setting can be activated in the SetPoint software for the MediaPad. This is accessed by clicking the Logitech logo in the bottom right hand corner of the screen and clicking on the MediaPad tab.

Using the MX900 Mouse

The MX900 is an advanced optical cordless mouse designed to improve the accuracy and responsiveness of a cordless mouse, adding Windows and Internet navigation features. Like the diNovo keyboard, its features are configurable via the SetPoint software included with the package.

Bluetooth Wireless Hub – overview

The Bluetooth wireless hub provides the intelligence at the heart of all of Logitech's new Bluetooth products: the diNovo keyboard, the Cordless Desktop MX™ for Bluetooth and the MX900 Optical Mouse. Unlike other such products, however, it is designed not just to work with Logitech's own devices but with a wide variety of devices from other vendors too, allowing them to access and be controlled by the power of your PC. With the Logitech Bluetooth Wireless Hub, you can connect a wide range of Bluetooth devices to your PC and control them without having to install additional hardware or software, making it the most powerful and flexible device of its kind on the market today.



The Bluetooth wireless hub gives you four specific benefits:

Freedom from cables. With the hub installed, you can use your Bluetooth mouse, keyboard, cordless controller or MediaPad (diNovo users only) to control your PC from up to 10 metres away. You can also print to a Bluetooth printer anywhere within range of the hub.

Get organised. Use the hub to synchronise your Bluetooth mobile phone or PDA with the data in your desktop PC, making sure that your information from applications such as Microsoft Outlook or Lotus Notes is up to date on both.

Communicate. If you have a Bluetooth headset, you can use it to talk in instant messaging applications such as MSN Messenger and Yahoo! Messenger. The included Mobile Phone Suite software also lets you send and receive SMS messages from your desktop PC, via your mobile phone.

Share. Using the Bluetooth wireless hub, you can exchange pictures and other files between your PC and mobile devices such as laptops, phones, PDAs and cameras.

The Hub: linking your Bluetooth devices with the PC

The Bluetooth Wireless Hub is not only the receiver for your Logitech Bluetooth mouse, keyboard and MediaPad, it is also a universal control centre for managing the connection and use of third-party Bluetooth devices with your PC. Logitech's Bluetooth products include a software wizard which facilitates the process of finding and pairing other Bluetooth devices with your PC. It identifies what these products are able to do and allows you to select and activate the relevant Bluetooth features. It removes some of the layers of complexity that typically confront users trying to make Bluetooth products work.

This is not to say that connecting Bluetooth products has suddenly become a 'plug and play' experience. The fact that Bluetooth capability differs from one device to the next, and that each device has its own interface to activate and select Bluetooth features, means that activating the Bluetooth element of many devices remains complex. As a result, Logitech has developed 'how to' documents detailing the sequence of steps which should be followed for each of the main Bluetooth products. These can be found at {

[HYPERLINK "http://www.logitech.com/bluetooth" }](http://www.logitech.com/bluetooth) Please consult this website if you are having problems making your Bluetooth devices work with Logitech's Bluetooth wireless hub.

A simple, wizard-based installation program automatically finds devices within range, creates the pairing links between compatible devices and helps assign passwords to prevent unauthorised access by other users.

A simple software interface helps users perform common tasks such as synchronising PDAs or mobile phones, printing wirelessly and using Bluetooth headsets for voice with instant messaging applications.

Logitech's Bluetooth website contains a wealth of information about Bluetooth technology, help with using all the devices compatible with the Wireless Hub and PDF-formatted guides to performing common Bluetooth tasks. See [{ HYPERLINK "http://www.logitech.com/bluetooth" }](http://www.logitech.com/bluetooth) for more information.

Working with Bluetooth devices

All of the hub's features are accessible via the Bluetooth software you installed earlier. You can access these features in two ways: double-clicking on the My Bluetooth Places icon on your Windows desktop, or by clicking on the Bluetooth icon in the system tray in the bottom right-hand corner of your display. All of the hub's features are accessible from within a standard Windows Explorer window, making it easy to add, view and configure your additional devices.

Adding Bluetooth devices

A press on the "CONNECT" button of the wireless hub (or a single click on the 'Add a Bluetooth device' button in the Task Panel) will start a wizard which will help you add the device to your system and configure it for immediate use. In order to find new devices, you must first make sure they are in Discoverable mode; see your documentation from your device's manufacturer for information on how to do this, or check the Logitech website for a how-to guide for the most popular Bluetooth devices. The software will automatically pair your new device with the hub if required – you will need to supply a passkey to enable the hub and the device to communicate uniquely and securely. This passkey is simply a way to protect your Bluetooth devices during pairing. As a result, you can choose any passkey you want to, as long as you enter the same one on both products when prompted. Note that some devices – wireless printers, for example - do not need to be paired.

Once a device has been added, it will appear in the My Bluetooth Places window. The individual features that the device supports are automatically identified by the hub and represented by icons under the device name. For example, if your PDA supports synchronisation via the Bluetooth Synch profile, you'll see an 'IrMC Synchronization' icon. Double-click this to start synchronising your device with the software on your PC. Supported software includes Microsoft Outlook, Microsoft Outlook Express and Lotus Notes.

Viewing Bluetooth services You can see all the Bluetooth services supported by your system by clicking the View My Bluetooth Services button in the Task Panel. This feature lets you choose exactly how each service works – for example, you can choose which program you want to synchronise with the data on your handheld device.

Viewing available devices You can see all the Bluetooth devices within range of your wireless hub by clicking the 'View devices in range' button in the Task Panel. Once the list is available, you can double-click on any of the devices in the list to add it to your local Bluetooth network. This is especially useful for finding locally available printers, for example, as well as identifying other devices you may want to add permanently.

The Bluetooth Wireless Hub is compatible with any Bluetooth device that supports the Bluetooth 1.1 specification, and that includes at least one of the profiles supported in the hub. To date, hundreds of mobile phones, PDAs, printers, headset and other devices are compatible with the hub. *See the website at {HYPERLINK "http://www.logitech.com/bluetooth/howto"} for a list of devices that are 100% compatible with the wireless hub, as well as a complete set of guides for configuring and using them.*

Logitech's Bluetooth software integrates perfectly with Windows XP and Windows 2000, adding a My Bluetooth Places icon to the desktop for quick access to your Bluetooth devices and including an icon tray application that helps you quickly add and configure new ones. Each device's capabilities are easily viewable and accessible through a standard Windows XP or 2000 interface.

See the documentation included with the software for more information on working with third-party Bluetooth devices, or go to <http://www.logitech.com/bluetooth>.

Sending and receiving SMS from your PC

An exclusive feature of Logitech's Bluetooth products is that you can send and receive SMS from your PC. This allows you to use a full PC screen and more importantly a full keyboard. In order to do this, you need to pair your mobile phone with the PC, using the Logitech software. See above for information on how to do this. After that, you can use this feature every time your phone is within range of the Bluetooth wireless hub. The Mobile Phone Suite is installed automatically as part of the Logitech software. To access the Mobile Phone Suite, double click on the mobile phone icon in the system tray at the bottom right hand corner of the screen. This opens a window which allows you to do the following:

Make an archive of the Contacts in your phone book. To do this, just click the 'Contacts' button in the Mobile Phone Suite program. The first time that you launch this application, this will read all of the contacts in your phone book and save them to your computer. Subsequently, only changes to the address book on your phone will be recorded, so the exchange is much faster.

Manage your SMS inbox. Once your phone is paired with the PC, the Mobile Phone Suite will read the contents of your SMS inbox once the application is launched. To refresh the messages on your PC, use the 'Refresh' button. This allows you to read SMS on the screen of your PC, and also to delete messages from both your PC and your mobile phone.

Send SMS from your PC. Click the 'Send' button in the program. This automatically opens a new SMS window on the screen. To select recipients, either type the phone number directly in the recipient window, or use the 'To:' function to access the contents of your phone's address book which have already been copied to your PC. Type the message, then click 'Send'. The message is sent via the Bluetooth wireless hub to your mobile phone, where it is transmitted as a regular SMS.

Receive SMS on your PC. When an SMS is sent to your Bluetooth mobile phone, you will receive a notification on the screen of your PC. Click on the notification message to open the Mobile Phone Suite program. Simply click 'Reply' to send a reply.

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