



2001ARF
Wireless Keyboard & Mouse Kit

User's Guide

Version 1.0





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1 Introduction

Congratulations on your purchase of the 2001ARF wireless keyboard and mouse kit! This keyboard and mouse kit will finally free you of the constraints of your desktop by providing a wireless connection between the keyboard or mouse and your PC. Pass around the keyboard or mouse during meetings without having to bother about a cable blocking your way or write e-mails and surf the Internet from the comfort of your living room couch!

The 2001ARF keyboard and mouse kit consists of a keyboard, a mouse and a receiver. The receiver is connected to your PC through a cable with both a keyboard and mouse connector. The keyboard and mouse can operate freely within a radius of at least 1.5 meters from the receiver, which itself has a maximum range from your PC of around 1.5 meters. Because the 2001ARF kit uses radio frequencies to transmit the wireless signal it has no constrictions on viewing angles such as with infrared devices like your TV's remote control, etc.

Besides providing unprecedented freedom of movement when operating the keyboard or mouse, the 2001ARF kit also offers even more extra functionality by introducing 7 dedicated buttons for often used Internet browser functions as well as a Sleep button. (**Please note:** The Internet keys work only under Microsoft® Internet Explorer 5.0 or later version!). And last but not least, this package also provides a special driver that provides unique shortcut functions.

In order to enjoy your 2001ARF kit to the fullest it is recommended that you first read this manual carefully before installation of the 2001ARF keyboard and mouse kit.

What's in this package

- ♦ A wireless keyboard with palmrest
- ♦ A wireless mouse
- ♦ A receiver
- ♦ A driver disc
- ♦ A user's guide
- ♦ Batteries (2 pcs of AA; 2 pcs of AAA)

2 System Requirements

- Microsoft® Windows NT® 4.0, Windows® 95, Windows® 98, Windows® ME, Windows® 2000 or Windows XP operating system
- CD-ROM drive or DVD drive
- Microsoft® Internet Explorer 5.0 or later version (for the Internet keys)
- The system supporting ACPI or APM II (for power management buttons)
- ATX mother board and ATX power supply (for power management buttons)
- Available PS/2 keyboard port and mouse port.
- IBM PC or its compatibles

Please refer to below table for the other system requirements for the 2001ARF's various features.

Function Description	Operating System	
	Windows NT 4.0 / Windows 95 / Windows 98	Windows ME / Windows 2000 / Windows XP
Wireless Functionality	Available immediately after hardware installation	Available immediately after hardware installation
Keyboard Extra Internet Buttons	Requires installation of keyboard driver (see driver CD for details)	Available immediately after hardware installation
Keyboard Extra ACPI Keys	Requires enabling of system ACPI (Power Management) function	Available immediately after hardware installation
Mouse Driver Shortcut Function	Requires installation of mouse driver (see driver CD for details)	Requires installation of mouse driver (see driver CD for details)
Keyboard Battery Low Function	Requires installation of keyboard driver (see driver CD for details)	Requires installation of keyboard driver (see driver CD for details)
Keyboard LED Light Function	Requires installation of keyboard driver (see driver CD for details)	Requires installation of keyboard driver (see driver CD for details)

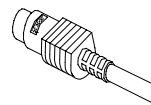
3 Hardware Installation

Step 1: Make sure your PC is switched off.

Step 2: Connect the receiver to your PC by plugging in the receiver's green connector into the mouse port of your PC and the purple connector into the keyboard.

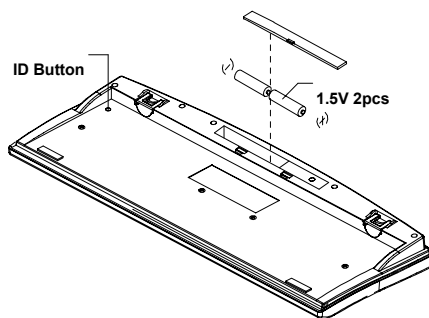


Mouse Connector



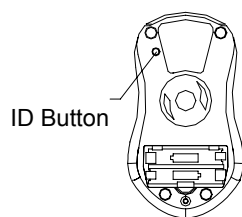
Keyboard Connector

Step 3: Take the keyboard and make sure the batteries on the back are installed correctly. (Follow the polarity signs in the battery compartment.)



Bottom View of Keyboard

Step 4: Take the mouse and make sure the batteries on the back are installed correctly. (Follow the polarity signs in the battery compartment.)



Bottom View of Mouse

Remarks:

1. The keyboard uses 2pcs. standard UM-3 (AA) 1.5V batteries, and the mouse uses 2pcs. UM-4 (AAA) 1.5V batteries.
2. Battery life is approximately 3-4 months, depending on the intensity of usage.

3. *Make sure the receiver is placed in a location where is relatively free of strong electromagnetic or transmission sources in order to ensure optimal reception of the keyboard and mouse signal.*

ID Setting

Each channel contains 256 sets ID. This extra ID-recognition function helps to protect against interference from other RF keyboards in the same environment.

After completing the hardware installation you must set the ID of the receiver, mouse and keyboard.

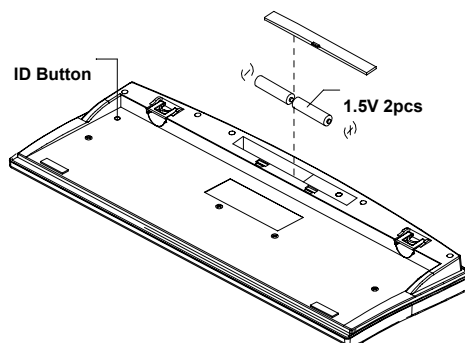
Step 1: Press the ID button on the side of the receiver once.



Step 2: Press the ID button on the bottom of the mouse once.



Step 3: Press the ID button on the bottom of the keyboard once.



Remarks:

1. You must follow the procedure above to set the ID of receiver, mouse and keyboard. Once the receiver ID button is pressed you have 35 seconds to complete the entire process, or you will need to begin again.
2. Once the keyboard and receiver are plugged in, the yellow receiver light will flash. Once the ID is set, it will remain steadily lit..
3. When changing the batteries of keyboard or mouse, there is no need to reset all the ID's. Simply reset one of them.
4. When the keyboard batteries are low, a battery low icon  will show on the right-bottom corner of the Windows task bar instead of the KeyMaestro driver icon.

Detachable Palmrest

At your discretion, you may choose to connect the palmrest with keyboard.

To connect the palmrest with the keyboard please follow figure 1 & figure 2.

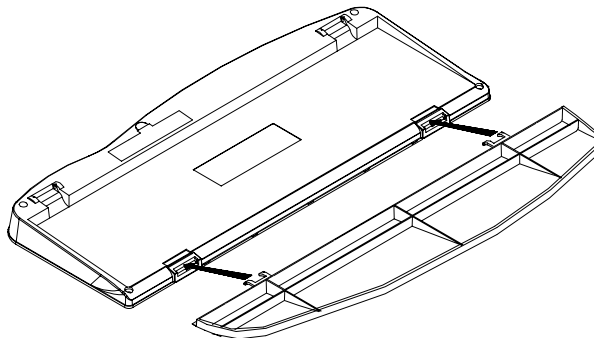


Figure 1

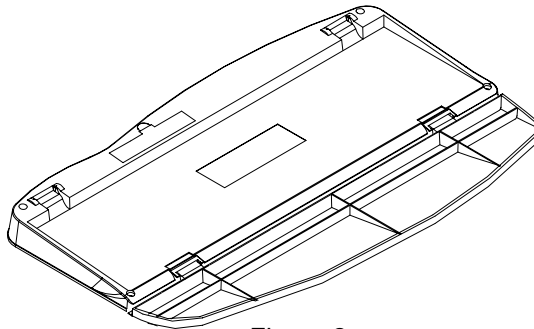


Figure 2



4 Software Installation

After finishing the hardware installation as described above and starting up your PC, you should be able to immediately take advantage of the wireless function of the 2001ARF wireless keyboard and mouse kit. If the keyboard and mouse are not working properly, then please check Chapter 6 Troubleshooting for tips on how to solve your problem.

4.1 Keyboard Driver Installation



If your operating system is Windows ME, Windows 2000 or Windows XP, you can immediately take advantage of the extra function buttons on the keyboard (except 'Battery Low' and 'LED Light' functions). But, if your operating system is Windows NT 4.0, Windows 95 or Windows 98, you will have to install the keyboard driver software to take advantage of these functions. The keyboard driver program is located on the driver CD included in the box.

1. Insert the driver CD into your computers CD-ROM drive.
2. Run the setup.exe in the \keyboard-driver directory of the driver CD.
3. Follow the onscreen instructions to finish the installation procedure.
4. For detailed information on how to install the driver, please refer to the readme.htm file.

4.2 Mouse Driver Installation



In order to take advantage of the special shortcut button functionality of the mouse, you will have to install the mouse driver which is located on the driver CD included in the box.

1. Make sure the driver CD is in your computers CD-ROM drive.
2. Run the setup.exe in the \mouse-driver directory of the driver disk.
3. Follow the on screen instructions to finish the installation procedure.
4. For detailed information, please refer to the readme.htm file.



5 Using Keyboard and Mouse

5.1 Using the Keyboard

Besides the usual keys, this keyboard also has extra-dedicated keys, which provide the following ACPI and Internet functionality:

Please note: In order to use these keys under Windows 95, Windows 98 or Windows NT 4.0 it is necessary to have the KeyMaestro keyboard driver installed. Please refer to Chapter 4 for more information.

	Sleep	puts your system to sleep (power-saving) mode. Any key will wake up your system and return to the previous working status. P.S: Windows NT 4.0 does not support Sleep function. This key will be processed as Power Off by KeyMaestro driver if the option is enabled.
	Back	returns to the last page you viewed.
	Forward	views the next page you viewed before.
	Stop	If a page you are trying to view is taking too long to open, click this button to stop.
	Search	opens the internet search menu.
	Web/Home	opens the default Internet browser.
	Favorites	opens the Internet "My Favorite" folder.
	E-mail	opens the default program you use for mail. You may select Tools→Internet→Options→Programs→Email to change the default settings of Internet Explorer.

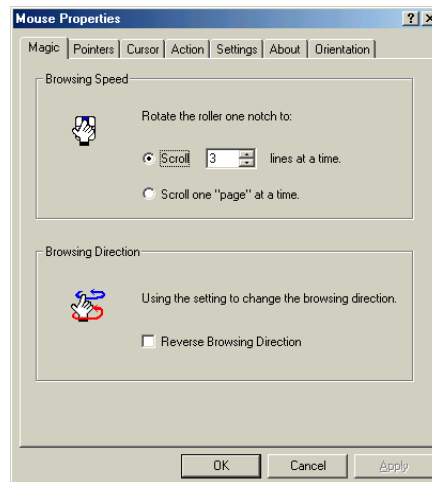
For detailed information about the driver, please read the online help by clicking the KeyMaestro Keyboard icon  and selecting Help.

5.2 Using the Mouse Driver

After installing the mouse driver as described in Chapter 4 you will be able to startup the Mouse Control Panel by right clicking on the  KeyMaestro Mouse icon in the Windows task bar. This should appear after restarting your machine. You can also invoke the Mouse Control Panel by choosing Start→Programs→KeyMaestro Mouse →KeyMaestro Mouse.

The Mouse Control Panel (KeyMaestro Mouse Properties) window consist of the following folders:

- ♦ Magic folder:
allows you to change the browsing speed and the direction of the browsing button.
- ♦ Pointers folder:
allows you to choose your favorite pointer shape.
- ♦ Cursor folder:
select the special cursor functions such as trails for your cursor or loop function.
- ♦ Action folder:
re-define the mouse keys function and speed.
- ♦ Settings folder:
re-assign mouse button shortcuts and/or toggle Office 97 mouse mode on/off.
- ♦ About folder:
shows the current driver version information.
- ♦ Orientation folder:
allows you to setup the angle of the mouse when moving upwards.



The Definition of Mouse Extra Function:

Function	Definition
Quick Jump	Let you to open 8 special functions quickly. For the detailed, please refer to the " Quick Jump Function Introduction " in next section.
Double Click	Replace the "double click" movement to activate an application or function, it can save the valuable mouse-clicks.
Window Zoom	To magnify or de-magnify the data view of a document in an application that supports it. (this function is workable when the application you used is with the ctrl + wheel scrolling function, ie, Word, Excel, PowerPoint and FrontPage ...)
Switch AP	Switch quickly from one opened application to the other applications without extra cursor move. Press the "Switch AP" button you set and scroll the wheel button to switch the applications.
Auto Panning	Move the cursor and then the document will scroll slowly in the direction you just moved.
WWW Back	Return to the last page you viewed.
WWW Forward	View the next page you viewed before.

Quick Jump Function Introduction



Also, after installing the mouse driver and invoking the KeyMaestro mouse driver program you will have access to 9 special function icons by pressing the scroll wheel once. These 9 functions are:

	Mouse Control Panel	Activate the Mouse Control Panel Menu.
	Control Panel	Activate the "Control Panel" window.
	Horizontal Scroll Bar	Set the cursor to the horizontal scroll bar to scroll the document horizontally. (the function does not support Windows XP)

	Vertical Scroll Bar	Set the cursor to the vertical scroll bar to scroll the document vertically. (the function does not support Windows XP)
	Windows Explorer	Activate the 'Windows Explorer' window.
	Size Grip	Adjust the frame size of the windows you opened (the function does not support full screen. The function is also not performed when the frame of applications are not adjustable).
	Minimize All Windows	Allow you to minimize all the current opened applications immediately (this function is only performed when the applications are with the minimize function)
	Recall the Last Active Window	Recall the last active window.
	Exit	Exit the quick jump function panel.

Clicking once more on the scroll wheel will close these icons.

Note: For more detailed information please read the online help by right clicking on the KeyMaestro Mouse  icon in the Windows task bar and select Help.



6 Troubleshooting

When the keyboard or the mouse doesn't work properly, please check the following:

1. Take out the receiver's connector and check both the receiver's mouse and keyboard plug for possible broken pins. If the plugs appear normal then reinsert the plugs into their respective connectors on your PC.
2. Make sure the mouse plug is inserted in the mouse connector on your PC and the keyboard plug is inserted into the keyboard connector on your PC. Compare the icons on both the cable and backside of your PC if necessary.
3. Check that if the batteries in the keyboard and mouse are installed correctly. Make sure the polarity of the batteries corresponds with the polarity signs in the battery compartment.
4. Replace the batteries to make sure the batteries are not low in power.
5. Check to see if the channel switch for the receiver, keyboard and mouse are set to the same channel. Try the alternate channel for the receiver, keyboard and mouse in case the initially selected channel appears to work improperly, other devices in the vicinity of the receiver may cause interference.
6. It is strongly recommended to place the receiver in front of the monitor in order to prevent signal disturbance from the monitor.
7. If your PC system's BIOS setup has options for the keyboard or mouse, make sure they are set to default settings. If you are not familiar with the BIOS, refer to your PC's manual for more information.
8. If you have problems using the sleep button, make sure that the power management in your PC has been enabled both in the BIOS and in Windows. For more information on your PC's BIOS settings, refer to your PC's manual. For more information on how to enable the power management features in Windows, refer to your Windows manual.
9. If you have problems using the extra browser buttons and/or the special mouse functions, ensure you have installed the keyboard and mouse driver correctly as described in this manual's Chapter 4: Software Installation. Also check your hardware requirements meet those listed in this manual.
10. Use the mouse only on a clean, flat, non-slippery surface in order to ensure





smooth and accurate cursor action.

11. Keep all items away from direct sunlight, moisture, dirt, extreme heat and abrasive chemical (cleaning) solutions.
12. Should the receiver, the keyboard or mouse become accidentally immersed or splashed by liquids, switch off your PC immediately, unplug all items and refer to your dealer for further assistance. In these cases please refrain from using any of the items before consulting with your dealer!

If above troubleshooting suggestions still do not solve your problem then please refer to your direct dealer for technical support.



FCC GUIDELINES

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- ♦ Reorient or relocate the receiving antenna
- ♦ Increase the separation between the equipment and receiver
- ♦ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- ♦ Consult the dealer or an experienced radio/TV technician for help.

The Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulation.

Cet appareil numérique de la class B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

Caution:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. Shielded interface cable, if any, must be used in order to comply with emission limits.





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