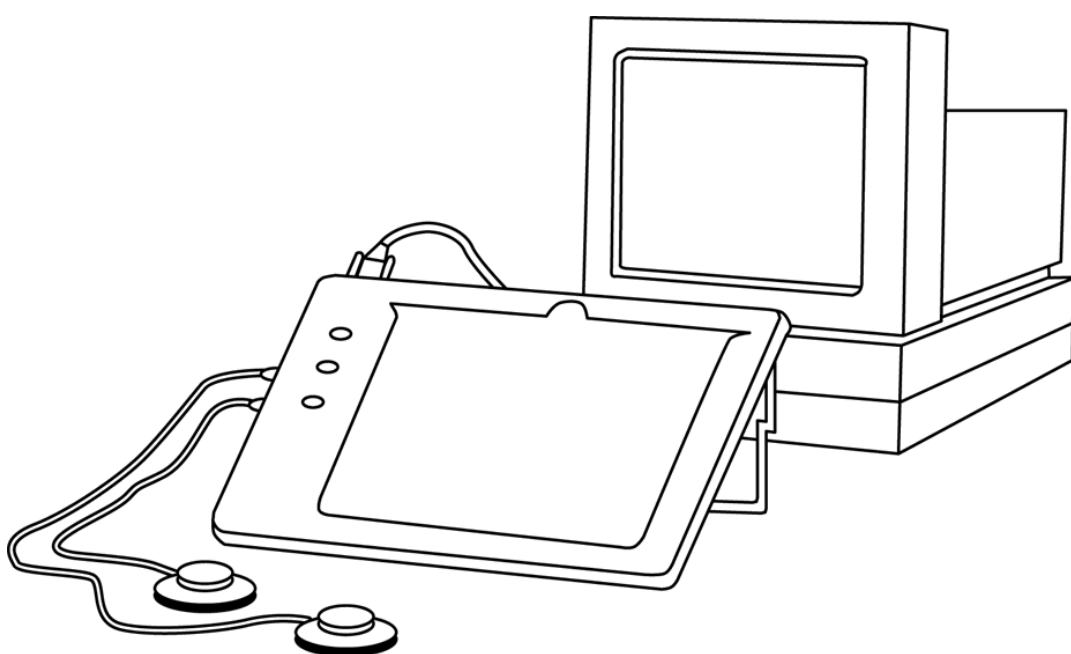


Using IntelliKeys with Switches

Switches are used by individuals who have difficulty pressing computer keys. Some software is specifically designed for switch access.

IntelliKeys comes with two built-in switch jacks. Most common types of switches can be plugged into these jacks. For information about purchasing switches, contact IntelliTools.



Preparing to Use IntelliKeys with Switch-Driven Software

1. To use software with a switch, the switch must be set up properly.
2. To do this:
 3. 1. Determine what switch input your program requires. For example, some switch-driven programs respond to a mouse click. To find out what switch input your software requires, refer to the manual, or experiment by pressing keys on the keyboard. Some switch software responds to mouse clicks, or to the Space or Enter keys, or other keyboard keys.
 4. 2. Set up the switch correctly. You may use the built-in switch settings (discussed below), or you may purchase the Overlay Maker program. Try using the built-in settings first.
 5. **Setting Up the Switch Using the Built-In Switch Settings**

If you use IntelliKeys without any overlay in place, the IntelliKeys keyboard will behave as a two-key keyboard. One key occupies the entire left side of IntelliKeys, while the other fills the entire right side.

IntelliKeys comes with 11 built-in settings for the switches. These are included for your convenience. There is a good chance your software program will respond to one of the 11 switch settings. If so, you do not need to create your own custom overlay.

Initially, the switches and two halves of the keyboard are defined with the default setting Level 1, as shown in the chart below.

Look at the chart to determine which level you need to use. For example, to set up your switches to work as a mouse click (Switch #1) and double-click (Switch #2) use Level 11.

Level Number	Switch #1/ Left Side of Keyboard	Switch #2/ Right Side of Keyboard
1 - Apple (default)	Open-Apple (Command)	Closed-Apple (Option)
1 - PC (default)	Spacebar	Enter
2	Spacebar	Return/Enter
3	Down Arrow	Return/Enter
4	Right Arrow	Return/Enter
5	Tab	Return/Enter
6	Escape	Return/Enter
7	Left Arrow	Right Arrow
8	Up Arrow	Down Arrow
9	1	2

10	Left Shift	Right Shift
11	Click	Double Click

To select the correct level:

Slide in the Setup Overlay

Press KEYBOARD RESET twice in succession. You will see the lights on IntelliKeys flash, and hear a beep. This step is necessary to remove any custom overlay currently in the IntelliKeys memory.

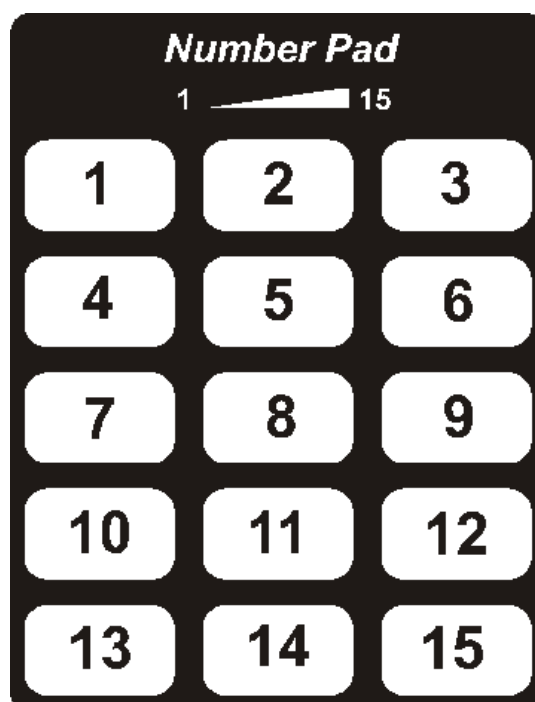
Press the Custom Overlay Level key.

Press a number between 1 and 11 on the Number Pad. For example, to select Level 11 (the mouse click level), press the 11 key. Be sure to press "11" instead of "1" "1".

Remove the Setup Overlay.

There must not be ANY bar-coded overlay in the IntelliKeys!

Your switches have been configured. Remember, if you switch overlays (for example, if you slide in a bar-coded overlay), the switch content will change.



Special Note on Level 11

1. Custom Level 11 "Click" and "Double Click" are mouse functions. For this level to work on PC compatible computers, your computer must be set up correctly. See "Chapter 6 - Using IntelliKeys as a Mouse" in the IntelliKeys Owner's Guide or [Using IntelliKeys as a mouse in DOS, Windows 3.1x, or Windows95](#) for more information.

Making a Paper Overlay

1. When you use IntelliKeys as a keyboard with two big keys, you can create a paper overlay that shows the location of the two large keys and if you desire, include artwork to correspond to the software program the user is running.
2. Start with a legal-sized piece of paper. Trim the length from 14 inches to 13 inches. Design the overlay as you wish. Slide the overlay into place. Then, slide the clear plastic sheet on top of your homemade overlay. If you own Overlay Maker, you may also use it to design your paper overlay.

Other Ways to Set Up the Switch

If the switch content you want is not on the above chart, you can use the Overlay Maker program (sold separately) to program your switches with any content you choose. Contact IntelliTools for more information.

Using IntelliKeys as a Mouse on PC Computers Running DOS, Windows 3.1, or Windows95

MouseKeys Utility Software for PCs

The arrows on IntelliKeys can be used to move the mouse pointer on-screen instead of using a mouse. However, for PC compatible computers, IntelliKeys relies on software provided by Microsoft for this mouse functionality.

You will need different software depending on which operating system you are using:

Windows 95 users do not need to obtain any additional software, but it is necessary to set the Accessibility Options correctly.

Windows 3.1x users need to obtain the software Access Pack for Microsoft Windows (listed under Microsoft's Accessibility & Disability programs). Call Microsoft at 800-426-9400 or TT/TDD 800-892-5234 to order. You can also download this file from network services like CompuServe, GENie, or Microsoft Download Service (425-936-6735).

DOS users need to obtain the software AccessDOS from IBM. Call IBM at 800-426-7282 from within the U.S. or 800-465-1234 from within Canada.

For Internet downloads the URLs are:

<http://www.austin.ibm.com/sns/snsaccessdos.html>

<http://www.microsoft.com/enable/products/accp.htm>

Using IntelliKeys As a Mouse In Windows 95

To use IntelliKeys as a mouse with Windows 95, you must set up both Windows 95 Accessibility Options and your IntelliKeys.

To set up Windows 95 for mouse access, click on the Start button and select Control Panel from the Settings menu. Double-click on Accessibility Options to open it.

Click on the Mouse tab. If you are intending to use a multi-level overlay such as the IBM QWERTY or Basic Writing (where you must press a key labeled ACCESS MOUSE to get mouse functionality), make sure the "Use MouseKeys" is *not* selected. If you plan to use the Arrows Overlay or a simple custom overlay containing mouse actions, make sure "Use MouseKeys" *is* selected.

Click on the Settings button. Click to select "Use Shortcut" and to select "Show MouseKeys status on screen". Click on OK to close this dialog box.

Click on the General tab. Make sure that "Give warning message when turning a feature on" is *not* selected. Deselect "Turn off accessibility features after idle for:". Click on Apply, then click on OK to close the Accessibility Properties window.

Turn MouseKeys ON by pressing the shortcut keystroke:

[Left Alt]-[Left Shift]-[[Num Lock]

Test MouseKeys by moving the mouse cursor with your Number Pad keys on the standard keyboard. Turn MouseKeys OFF by pressing the shortcut keystroke.

To set up IntelliKeys for use with MouseKeys, turn MouseKeys ON by pressing the shortcut keystroke.

Slide the Setup Overlay into the IntelliKeys. The Setup Overlay is one of the Standard Overlays that comes with IntelliKeys. Under the Troubleshooting section of the Setup Overlay, press KEYBOARD RESET twice in succession. The lights on the IntelliKeys should flash. Then press *Mouse Arrows* ON. Remove the Setup Overlay and slide in the Arrows Overlay. Pressing the arrow keys will move the Mouse cursor. The blue circle on this overlay is the mouse button click and the blue square is the mouse button lock (for drag & drop). The circle & square symbols on the different overlays provide these same responses. See Chapter V.

The IBM Overlay keys ACCESS MOUSE and KEYBOARD will send the shortcut keystroke **[Left Alt]-[Left Shift]-[[Num Lock]** to turn the software MouseKeys off and on. Recognize that the software MouseKeys and the IntelliKeys keyboard can get out of synch. You might need to press the shortcut keys from the standard keyboard to get the synchronization back. Also, double-clicking on the MouseKeys icon in the lower right corner of the Windows 95 Taskbar will let you turn MouseKeys off and on.

Using IntelliKeys As a Mouse In Windows 3.1

Once you have obtained and installed the Access Pack for Microsoft Windows, you will need to check the MouseKeys software settings found under the Access Utility menu Adjust. If you are intending to

use a multi-level overlay such as the IBM QWERTY or Basic Writing (where you must press a key labeled ACCESS MOUSE to get mouse functionality), make sure the MouseKeys Options is OFF. If you plan to use the Arrows Overlay or a simple custom overlay containing mouse actions, make sure the MouseKeys Options is ON. You can also turn MouseKeys on and off by pressing the shortcut keystroke:

[Left Alt]-[Left Shift]-[[Num Lock]

To set up IntelliKeys for use with the MouseKeys software, slide the Setup Overlay into the IntelliKeys. The Setup Overlay is one of the Standard Overlays that comes with IntelliKeys. Under the heading Additional Features of the Setup Overlay, press KEYBOARD RESET twice in succession. The lights on the IntelliKeys should flash. Then press *Mouse Arrows* ON. Remove the Setup Overlay. IntelliKeys mouse features will be activated. See Chapter V. Recognize that the software MouseKeys and the IntelliKeys keyboard can get out of synch. You might need to press the shortcut keystroke from the standard keyboard to get the synchronization back.

Using IntelliKeys As a Mouse in DOS

Once you have obtained and installed Access DOS, you will need to check the MouseKeys software settings found under the Access Utility menu Adjust. If you are intending to use a multi-level overlay such as the IBM QWERTY or Basic Writing (where you must press a key labeled ACCESS MOUSE to get mouse functionality), make sure the MouseKeys Options is OFF. If you plan to use the Arrows Overlay or a simple custom overlay containing mouse actions, make sure the MouseKeys Options is ON. You can also turn MouseKeys on and off by pressing the shortcut keystroke:

[Left Alt]-[Left Shift]-[[Num Lock]

To set up IntelliKeys for use with the MouseKeys software, slide the Setup Overlay into the IntelliKeys. The Setup Overlay is one of the Standard Overlays that comes with IntelliKeys. Under the heading Additional Features of the Setup Overlay, press KEYBOARD RESET twice in succession. The lights on the IntelliKeys should flash. Then press *Mouse Arrows* ON. Remove the Setup Overlay. IntelliKeys mouse features will be activated. See Chapter V. Recognize that the software MouseKeys and the IntelliKeys keyboard can get out of synch. You might need to press the shortcut keystroke from the standard keyboard to get the synchronization back.