

MAGic[®]
Screen Magnification
Software
with Speech

Quick Start Guide
for Demo Version

Freedom Scientific, Inc.

MAGic® Quick Start Guide

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Freedom Scientific
11800 31st Court North
St. Petersburg, Florida 33716-1805
USA
www.FreedomScientific.com

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Welcome to MAGic

MAGic® is a software solution ideally suited for computer users with low vision, or anyone who spends extended periods of time in front of a computer screen.

MAGic lets you magnify your computer screen from 1 to 60 times its usual size. You can choose from a number of different adjustable views that let you see both a magnified and unmagnified portion of the screen at the same time.

Speech features assist you in processing the information on your screen. MAGic can read text that you type or point at with the mouse. MAGic moves the magnified area of the screen so you always see the text being read and spotlights words as they are spoken.

If you want to limit the amount of speaking performed by MAGic as you navigate windows and documents, use the Speech On Demand™ feature. It allows MAGic to only announce actions that are associated with a limited set of hot keys. Mouse echo is still available when using Speech On Demand.

Mouse and cursor enhancements help you track the location of the mouse pointer and cursor on the screen. You can choose from a wide variety of enhancement styles. MAGic lets you change the color of these enhancements, apply transparency effects, adjust their size, and more.

Color enhancements let you change how colors display on your screen. You can create rules that replace one color with another or switch two colors. You can also apply color tinting, make your screen black-and-white (monochrome), and invert the brightness and colors of your display.

Other MAGic features track elements of your screen, such as the mouse pointer, dialog boxes, and so on. The Locator feature provides you with a way to quickly find and move to different areas of the screen. The MAGic multi-directional panning system gives you complete control with adjustable speed, direction, stop and start, and screen navigation controls.

System Requirements

The recommended minimum system requirements for MAGic are listed below.

MAGic and MAGic Scripting Edition

- **64-bit Version:** Windows® 8.1, Windows 7, and Windows Server® 2008 Release 2
- **32-bit Version:** Windows 8.1, Windows 7 and Windows Vista® Service Pack 2 or later

Processor speed

Minimum 1.5 GHz processor

RAM

- 4 GB recommended (64-bit)
- 2 GB recommended (32-bit)

Required hard disk space

- 1.6 GB required during installation
- 20 MB to 690 MB required per voice for installing Vocalizer Expressive, Vocalizer Direct, or RealSpeak Solo Direct voices (file sizes will vary depending on the voice installed)

Video

DirectX 10 or later recommended

Multi-monitor support

Computer and video card that supports dual monitors; 32-bit color recommended; two computer monitors

Sound

Windows compatible sound card required (for speech).

Note: The Remote Access option is included when purchasing MAGic with scripting functionality.

Installing MAGic

1. Insert the MAGic disk into your computer's disk drive.
2. When the **MAGic Setup** dialog box appears, choose the **MAGic Setup** button. If you are installing Network MAGic, choose the **MAGic Network Setup** button instead.
3. The MAGic setup program starts. You will hear the installation speak the instructions as they appear on your screen. Follow these instructions to complete the MAGic installation.
4. Once installation is complete, you must restart your computer before using MAGic.
5. Run MAGic after your computer restarts.

The first time you run MAGic, the MAGic Startup Wizard appears. It allows you to configure MAGic's most commonly customized options. For example, you can create a hot key assignment for MAGic, configure MAGic to automatically run when Windows starts, play speech and sounds when Windows controls are selected, or install MAGic training materials.

MAGic Startup Wizard

The Startup Wizard is a helpful tool containing magnification, speech, and other useful parameters that let you quickly configure MAGic for operation. The wizard is a time-saver since you do not have to search multiple menus and managers to customize your copy of MAGic. The Startup Wizard automatically runs the first time you install a new version of MAGic. The following describes the dialogs in the Startup Wizard.

Note: You must choose the Finish button in the wizard's last dialog box to save and activate any changes. If you cancel or escape at any point in the wizard, your changes will not be saved.

Visual Settings

Use the options in this dialog box to set magnification and display settings that best fit your low vision needs.

Default Magnification Level

Use this edit box to set the default magnification level for MAGic. This is the magnification that will be used each time you start MAGic. Use the **UP** and **DOWN ARROW** keys to increase or decrease the magnification level. The default is 2x magnification. You can also choose among the following magnification levels:

- 1x to 2x in nine magnification increments (1.1x to 1.9x)
- 2x to 3x in three magnification increments (2.25x, 2.5x, and 2.75x)
- 3x to 4x in three magnification increments (3.25x, 3.5x, and 3.75x)
- 4x to 60x in whole number increments

Preferred View

Use this combo box to configure the magnified screen layout used by MAGic. For example:

- Full view means that the entire screen is magnified using the magnification set by the Default Magnification Level option. Full view is the default.
- Split view divides the screen into two halves, one magnified, one unmagnified.
- Overlay view opens a magnified rectangular window positioned in the screen corner. As you move the mouse, that area of the screen appears in the magnified window.
- Lens view opens a magnified rectangular window that follows mouse movement.
- Dynamic Lens view functions like Lens View except it follows keyboard commands instead of mouse movement.

Mouse Enhancement

Select this check box to turn on mouse enhancements. These enhancements make it easier to track the mouse pointer and maneuver on the screen.

Cursor Enhancement

Select this check box to turn on cursor enhancements. These enhancements make it easier to follow the cursor when editing or writing text.

Focus Enhancement

Select this check box to place a rectangular border around the item that is currently selected on the screen. This is especially helpful when trying to distinguish between similar screen colors. The border moves around the screen as you type keyboard commands or move the mouse.

Color Enhancements

Select this check box to use color settings and schemes for the magnified and unmagnified areas of the screen. This feature lets you configure MAGic to invert colors, set brightness, and adjust screen contrast.

MAGic Hotkey Assignment

Use this edit box to create your own keystroke command that will automatically start MAGic. You can use this shortcut instead of choosing the Desktop icon or the MAGic submenu. **CTRL+ALT+M** is the default hot key assignment.

Startup Settings

Use the options in this dialog box to define if and how MAGic loads when you start Windows. If you use the default settings, MAGic will always load and run before and after you launch Windows. This dialog box contains the following items:

- Select the **Start MAGic at the Log On screen** check box so that MAGic loads and starts when the Windows log on screen appears. The check box is selected by default. If you have Standard user rights, you cannot change the value of this check box, and MAGic will ignore and not announce the check box.
- If the **Start MAGic after log on for all users** check box is selected, MAGic loads and starts after you log on to Windows. It is cleared by default. If you have Standard user rights, you cannot change the value of this check box, and MAGic will ignore and not announce the check box.
- The **Start MAGic after log on for this user** combo box lets an individual control if MAGic starts after he or she logs on to Windows. If Always is selected, MAGic starts every time the current user logs on. Always is the default setting. If Never is selected, MAGic will not start after the user logs on. If Using the All Users Setting is selected, then the following can happen: MAGic starts after the user logs on if the **Start MAGic after log on for all users** check box is selected, or MAGic does not start if the same check box is cleared.

- Select the **Run MAGic from System Tray** check box to prevent the MAGic button from appearing in the Windows taskbar, which is located at the bottom of the screen, with other programs that are currently running. Instead, the MAGic icon appears in the Windows system tray, which is located in the bottom right corner of the screen, to indicate that MAGic is running. Finally, when this check box is selected, the MAGic icon does not appear in the list of active windows when you press **ALT+TAB**. This check box is cleared by default.
- If the **Minimize on Startup** check box is selected, the MAGic user interface is minimized when MAGic starts. To open the user interface, choose the MAGic button in the taskbar, or press **MAGic Key+U**. This check box is cleared by default.

Training Materials

This dialog box only displays when you install MAGic from the program DVD. The MAGic program DVD contains basic training audio files in DAISY (Digital Accessible Information System) format. You can use FSReader, a DAISY book reader from Freedom Scientific, to listen to and read the training files. To install the MAGic Basic Training and the What's New DAISY books, choose Next and continue. The training materials are installed when you finish the wizard. Additional DAISY books are available for download through the FSReader application.

Speech Settings

Use the items in the Speech Settings dialog box to customize how fast MAGic speaks, how much punctuation is used, and whether or not typing or mouse echo is heard as you type or move the mouse.

Speech Level

Use this combo box to select full speech or Speech On Demand, which limits the amount of speaking by MAGic. When MAGic starts, it will use this speech setting.

Rate

Move the slider to increase or decrease how fast MAGic speaks. The percentage value announced via speech is relative to the current position of the slider bar. The value displayed in the dialog box is based on a setting within the synthesizer, for example, words per minute.

Punctuation

Use this combo box to determine how much punctuation MAGic speaks, for example, some, most, all, or none.

Enable Typing Echo

Select this check box to turn on typing echo. Clear this check box to turn off typing echo.

Typing Echo

When typing echo is on, select one of the radio buttons to determine if MAGic announces characters as you type, words that you type, or both.

Mouse Echo

Mouse echo means that as you point at text with the mouse, MAGic will announce either the individual word or the entire line of text. Select one of the radio buttons to determine the type of mouse echo used.

Verbosity Settings

Use the options in this dialog box to determine if MAGic speaks, plays a sound, or both when it encounters specific controls such as radio buttons, check boxes, buttons, help menus and so on. You can also configure MAGic to announce the state of certain controls, for example, if a check box is selected or not, if a button is clicked, if a dialog box closes, and so on.

Verbosity Scheme

Verbosity schemes give you additional control over which items MAGic announces, as well as how they are announced. You can also define custom text that MAGic speaks when you move to a control or other element on the screen. On the other hand, you can assign a sound that you want MAGic to play instead of speaking. You can also choose to combine both speech and sounds, or configure MAGic to ignore certain items entirely.

Access Key

An underlined letter within a menu, command, or button is known as an access key. You can activate these items by pressing the access key in conjunction with the **ALT** key. Use the radio buttons in the Access Key group to customize MAGic to announce all access keys in menus and dialogs, to only announce access keys in menus, to only announce access keys in dialogs, or to not announce any access keys.

Announce Tool Tips

Select this check box to have MAGic announce Tool Tips of any length. A Tool Tip frequently appears when you rest the mouse over an item for a brief period of time. It gives a short description of the item.

Announce Help Balloons

Help balloons provide information about a selected item. When this check box is selected, MAGic automatically reads this information as it is displayed.

Standard Activation

When you first install and start MAGic, you are asked to activate the program. You can use Internet License Manager (ILM) to activate MAGic using an Internet connection. This is the easiest and quickest way to activate your product. If you do not have Internet access, you can activate manually by telephone, fax, or by visiting www.FSActivate.com. Refer to Other Activation Methods for more information.

If you do not activate at this time, MAGic runs in 40-minute mode, which requires a computer reboot every 40 minutes. The activation process can be started later by opening the **Help** menu and choosing **Update Authorization**.

To activate MAGic using the Internet, do the following:

1. In the Activation dialog box, choose Start Activation.
2. Select Internet (RECOMMENDED) and choose Next.
3. Insert the Authorization CD into your disc drive and choose Activate Using Authorization CD. You can find your Authorization CD in the same sleeve as your MAGic program disc. If you do not have your Authorization CD, choose **Enter Your Authorization Number Manually**.

<p>Note: If you have previously inserted your Authorization CD, you will not be asked to insert it again. Continue to the next step.</p>

4. If you used your Authorization CD, your 20-digit Authorization number is automatically inserted into the **Authorization Number** edit box. If your Authorization number is not shown, type it into the edit box. You can find your Authorization number in print and braille on your MAGic disc sleeve.
5. Press **ENTER** to continue. You will be asked to connect to the Internet if you have not already done so. You must establish an Internet connection before continuing with the activation.
6. If you have not registered MAGic, you are asked to do so now. Registering MAGic lets you receive technical support. Choose **Register Now** and complete the online registration form by following the instructions provided. You can choose to register later, but you must register the next time you activate MAGic.
7. After you submit your registration, Internet License Manager attempts to activate MAGic. This process may take several minutes. When the activation is successful, choose **Finish**.

Note: If Internet License Manager cannot activate MAGic because of your firewall software, see “Troubleshooting Firewall Software” in the MAGic help file.

Note: Adding or removing certain hardware components may cause your computer's Locking Code to change. If this occurs, you must reactivate MAGic. If you need to request more activations, go to www.FSActivate.com.

Other Activation Methods

To activate MAGic using a different method, do the following:

1. In the Activation dialog box, choose Start Activation.
2. Select **Manual, by telephone, fax, or fsactivate.com**, and choose Next.
3. Select one of the following, and then follow the instructions that display in subsequent Activation dialog boxes:
 - Insert the Authorization CD into your disc drive and choose **Activate Using Authorization CD**, or
 - Choose **Enter Your Authorization Number Manually**

Starting and Quitting MAGic

MAGic gives you a variety of ways to start the program:

- Double-click the MAGic program icon on your Windows desktop



- Press **ALT+CTRL+M**
- Click the **Start** menu and choose **All Programs, MAGic <version number>, MAGic** (Windows 7 only)
- Press **WINDOWS Key+R**, type "**MAGic <version number>**" (without the quotes), and press **ENTER**

When you first start MAGic, your screen displays in 2x magnification using Full screen magnification view. Speech is also enabled (if your software is licensed for speech). You can then change the magnification level, magnified view, speech, and many other options in the MAGic user interface and Main menu.

Starting MAGic Automatically

The MAGic Startup Wizard appears when you first start MAGic on a Windows computer. If you have an Administrator account, three options appear in the wizard. If you have a Standard User account, only the **Start MAGic after log on for this user** combo box appears. Use the default values for these options if you want MAGic to start before and after Windows starts. There is no need to change the default values. However, if the values were changed, the following procedure describes how to reset the default values so that MAGic starts automatically.

To set MAGic to start automatically, do the following:

1. From the Main menu, choose **File** and then **Preferences**.
2. Choose **Automatically Start MAGic**. The Start MAGic Options dialog box opens.
3. Do one of the following:

- If three options are available, make sure that the **Start MAGic at the Log On screen** check box is selected; the **Start MAGic after log on for all users** check box is unchecked; and the **Start MAGic after log on for this user** combo box is set to Always
 - If only the **Start MAGic after log on for this user** combo box appears, make sure that it is set to Always
4. Choose **OK** to accept the changes so that MAGic starts automatically when Windows starts.
 5. Choose **OK** to close the Preferences dialog box. MAGic automatically starts the next time you run Windows.

Note: In Windows 7, the "Start MAGic DirectX helper after logon for all users" check box is selected by default. It allows MAGic to provide HD Text and color smoothing in some DirectX drawn applications including Internet Explorer. There is no need to clear this check box.

In Windows 8.1 or later, the "HD Smoothing Options" box displays. The available options determine if MAGic restarts with or without HD Text smoothing following a Windows or system error. For more information, refer to HD Smoothing Options.

Quitting MAGic

To quit MAGic, do one of the following:

- Press **ALT+F4**
- Click the Close button  in the top right hand corner of the MAGic user interface.
- Select **Exit MAGic** from the **Main** menu

Tip: If you want MAGic to ask to save your settings when you quit, open the **File** menu and choose **Preferences**. Select the **Prompt to Save Settings on Exit** check box.

Updating MAGic

Freedom Scientific is continually seeking to improve and expand MAGic. Periodically, MAGic updates are released. It is recommended that you keep your software up-to-date so that you experience the greatest possible performance. Updates include everything from adjustments made to MAGic due to changes in other applications, the addition of new MAGic features, and fixes to issues found by users.

Checking for Updates

Note: When MAGic starts, it can alert you if a software update is available. You then have the option to install it now or later. This notification method is controlled using the Automatic Notification of Updates check box. To access the check box, choose the Main menu, followed by the File menu, and then Preferences. It is selected by default. If you turn off automatic notification, you must manually check for updates as described below.

Updating your software is quick and easy. To search for updates or new training materials, do the following:

1. Establish a connection to the Internet.
2. Start MAGic.
3. From the Main menu, choose Help, and then Check for Updates.
4. MAGic searches the Internet for updates and displays a list of any that are available to download. Use the arrow keys to move through the list, and press the **SPACEBAR** to select the check box next to any updates that you want to download and install. You can choose the Details button to view more information about the currently selected update.

Note: If your computer has active firewall software (such as Windows Firewall), you may receive a warning indicating that either the FSAutoUpdate Application or FSAutoUpdate.exe is attempting to access the Internet. You must allow this process to access the Internet through the firewall in order to retrieve updates. If you are using Windows Firewall, you can do this by choosing the Unblock button when the warning message displays. For other firewall software, refer to the product's documentation. The firewall must allow MAGic to access the Internet using ports 20 and 21 or port 80.

5. When you are finished selecting updates, choose the Install button. You may be required to restart your computer.

Disabling Automatic Updates

If you do not want users to be able to update MAGic by opening the Help menu and choosing Check for Updates, you can disable this feature. This can prevent users from overwriting custom scripts that you have installed by performing an update. Organizations that use special MAGic versions or otherwise want more centralized control over updates may also want to disable this feature. This requires entry of a special access code.

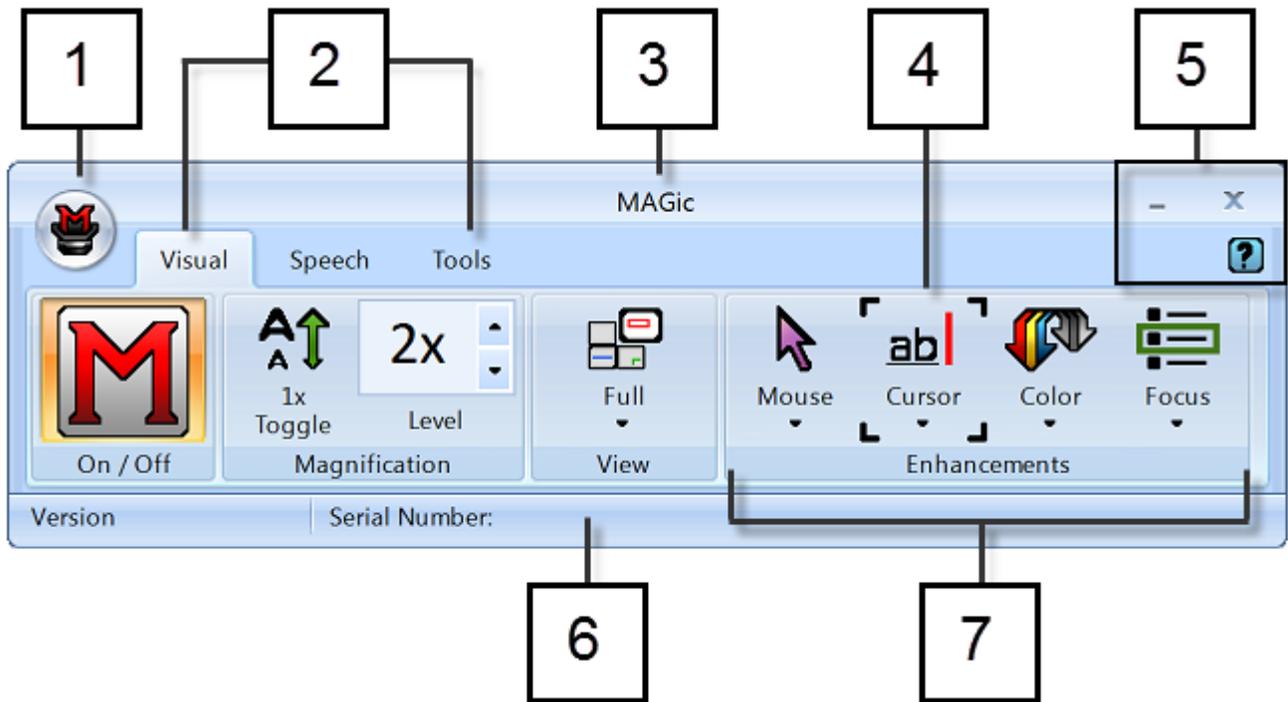
To disable Automatic Updates, do the following:

1. From the Help menu, choose About MAGic.
2. Choose the Special Update Code button.
3. Type the Freedom Scientific special update code in the edit box and then press **ENTER**.
4. Choose OK to close the About MAGic dialog box. The Help menu will no longer show Check for Updates.

MAGic at a Glance

Read this topic to learn more about the MAGic user interface, its tabs and buttons, and basic navigation.

MAGic User Interface

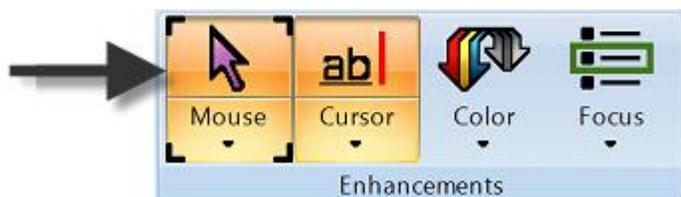


- (1) Main menu button
- (2) Visual tab, Speech tab, and Tools tab
- (3) Title bar
- (4) Focus Indicator
- (5) Minimize, Close, and Help buttons
- (6) Status bar
- (7) Button/Control group, for example, Visual Enhancements

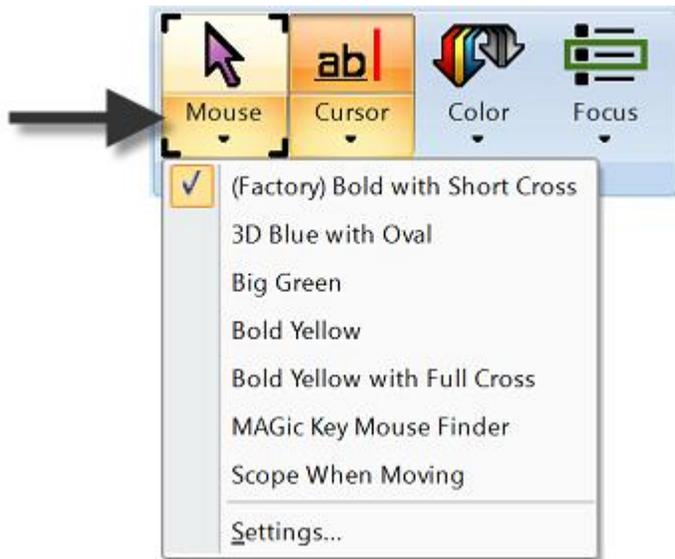
Split Buttons

Each tab contains split buttons that allow you to quickly turn on or turn off MAGic functionality and quickly select basic settings. This offers the convenience of not having to open MAGic menus to achieve the same results.

Use the top half of the button to turn on or off specific features.



Use the lower half of the button to select preconfigured schemes, or select the Settings option to fine-tune or create a new scheme.



Focus Indicator

The Focus Indicator consists of four corner brackets that show which item in the user interface has focus. When you press **TAB** or **SHIFT+TAB** to move through the user interface, you will see the Focus Indicator move from one item to the next.



Keyboard Navigation of the User Interface

Use the following keystrokes to navigate the MAGic user interface and buttons.

User Interface Keystrokes

To perform this action ...	Press ...
<p>Move from left to right through the entire user interface.</p> <p>(for example, focus moves from the Main menu button, to the current tab, through all tab items, the Help button, and back to the Main menu button)</p>	<p>TAB</p>
<p>Move from right to left through the entire user interface</p>	<p>SHIFT+TAB</p>
<p>Move from one tab page to the next.</p> <p>(for example, from Visual to Speech, to Tools, and back to Visual)</p>	<p>CTRL+TAB (moves right) or SHIFT+CTRL+TAB (moves left)</p> <p>RIGHT ARROW or LEFT ARROW (only switches among tab pages when focus is on a tab)</p>

Buttons and Other Controls

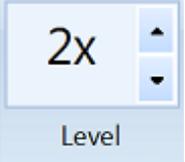
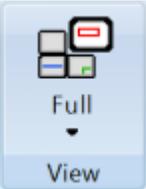
Description	Keystroke
Switch the current button function on or off. Use this keystroke for the top half of a split button.	SPACEBAR
Open the list of items available for the current button	ALT+DOWN ARROW
Close the list of items for the current button	ESC
Increase for decrease values in a spin box, for example, the Magnification Level box.	UP ARROW or DOWN ARROW
Increase or decrease slider values, for example, the Speech Rate slider.	RIGHT ARROW or LEFT ARROW

MAGic Tabs

The user interface contains the Visual tab, Speech tab, Tools tab, and Main Menu button. Each tab contains buttons that allow you to turn features on or off, select preconfigured schemes, or create your own customized schemes. Additional MAGic functionality is available through the Main menu as described later in this topic.

Visual Tab Buttons

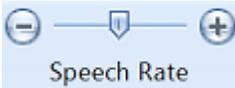
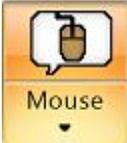
With MAGic's extensive magnification features, you can customize your display to fit your low vision needs. Use the items in the Visual tab to change magnification settings.

Visual Tab Button	Description
	<p>Turn magnification and all visual enhancements (mouse, color, focus, and cursor) on or off. When off, all enhancements in the Visual tab are unavailable.</p>
	<p>Switches between the current magnification level and 1x magnification.</p>
	<p>Change the current magnification level using the Magnification Level box. The number in the box shows the current magnification level.</p>
	<p>Select your preferred view from the Magnified Views list.</p>
	<p>Use Mouse Enhancements to turn on or off enhancements and modify your mouse pointer. These enhancements make the mouse pointer easier to track and maneuver on your screen.</p>
	<p>Use Cursor Enhancements to turn on or off enhancements for your cursor. These enhancements make the cursor easier to follow when editing or writing text.</p>
	<p>Use Color Enhancements to turn on or off color enhancements. This feature allows you to replace colors, adjust the brightness and contrast, apply tinting, and invert the brightness and colors of your display.</p>

Visual Tab Button	Description
	<p>Use Focus Enhancements to turn on or off the Focus Enhancements function. This function lets you define a rectangular border that makes it easier to identify the item that is currently selected on your screen.</p>

Speech Tab Buttons

Not only does MAGic magnify your computer's screen, but it also has screen reading capabilities. Use the items in the Speech tab to customize MAGic's speech components to fit your needs.

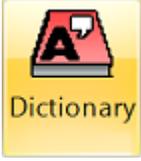
Speech Tab	Description
	<p>Toggle between speech on all the time (full speech) or to have limited speech (Speech On Demand™). Refer to Choosing Speech and Speech Rate for more information.</p>
	<p>Move the slider left or right to adjust how fast or slow MAGic speaks.</p>
	<p>Use Voice Profiles to select voice settings, synthesizers, and languages that best fit your auditory preferences.</p>
	<p>Use Mouse Echo to switch the mouse echo feature on and off. Mouse echo enables MAGic to read text that you point at with the mouse.</p>
	<p>Use Typing Echo to enable or disable the typing echo. If typing echo is enabled, MAGic announces the words or characters you type</p>

Tools Tab Buttons

Use the Tools tab to access additional MAGic functionality, such as enabling Text Viewer, creating new keystrokes, adding items to MAGic's dictionary so that words, phrases, and abbreviations are pronounced correctly, and launching Research It, a handy tool for finding information on the Web.

Use the items in this tab to quickly access various MAGic links and managers. Each item is described below.

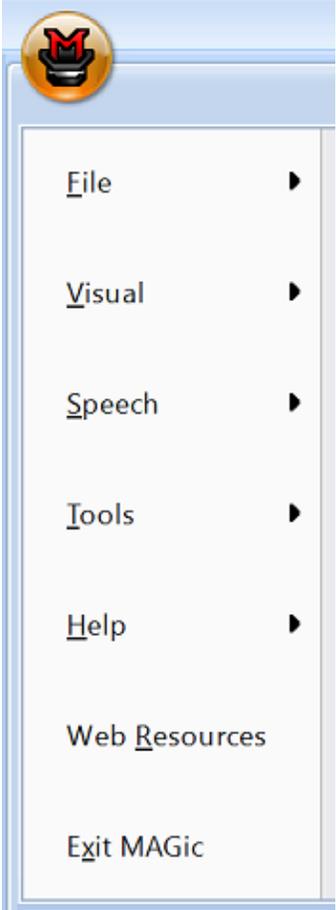
Tools Tab	Description
	Use to enable or disable Text Viewer. When enabled, the Text Viewer window displays across the screen and simultaneously shows the same text that appears on the magnified screen.
	Use Links to open a list of links in the current document.
	Use Headings to open a list of headings in the current document.
	Use Skim Read to set preferences for browsing a document by the first sentence or line of a paragraph. You can also create rules to search for and read text containing specific words.
	Use Research It to easily search the Web for words, local weather forecast, news stories, sports scores, local businesses, and more.
	Use Keyboard to assign, remove, or change hot keys for MAGic functions. You can also create shortcuts to quickly launch applications, documents, and Web pages.

Tools Tab	Description
 <p data-bbox="250 344 391 380">Dictionary</p>	<p data-bbox="545 291 1352 373">Use Dictionary to change the way MAGic speaks words, phrases, abbreviations, or symbols.</p>
 <p data-bbox="250 554 391 590">Script</p>	<p data-bbox="545 478 1352 602">Use Script to customize MAGic for use with proprietary applications. This feature requires the MAGic Pro Scripting Edition software.</p>

MAGic Menus

The MAGic Main menu (**ALT+F**) is located in the upper left corner of the user interface. Use it to access other menus to customize and save speech, magnification, and keyboard settings, restore factory default settings, or access numerous resources on the Freedom Scientific Web site.

You can also quickly access many of the tab and menu items using the Context Menu by pressing **MAGic Key+MOUSE RIGHT BUTTON** or **MAGic Key+APPLICATION Key**.

Main Menu	Description
	<p>The File menu allows you to save your settings and restore the original Freedom Scientific settings. You can also use this menu to change your MAGic preferences.</p>
	<p>The Visual menu allows you to customize how you view your screen with MAGic. You can also change mouse enhancements, cursor enhancements, color preferences, panning settings, view properties, and more.</p>
	<p>You can customize MAGic's speech components to fit your particular needs. The Speech menu allows you to customize how you read text with MAGic.</p>
	<p>The Tools menu allows you to customize how you use your computer's keyboard with MAGic. You can re-assign the MAGic Key to a different key or manage shortcut keys. You can also access the Freedom Scientific Script Manager application.</p>
	<p>The Help menu provides you with detailed help information for the various MAGic functions and options. You can also view information on the newest features for this release and see your current MAGic version.</p>
	<p>The Web Resources menu provides helpful links to Freedom Scientific products and resources such as the Freedom Scientific Web site, MAGic Headquarters, Technical Support contact page, FS Activate Web page, and other helpful links.</p>

MAGic Hot Keys

Note: By default, the **MAGic Key** is the **CAPS LOCK** key on your keyboard. Some actions in MAGic do not have hot keys assigned. You can define hot keys for these features using the Keyboard Manager.

General

Description	General Keystrokes
Launch MAGic	CTRL+ALT+M (default keystroke – can be changed using the Startup Wizard)
Run Script Manager (MAGic Pro Scripting Edition only)	INSERT+0
Display/Hide MAGic User Interface	MAGic Key+U
Pass Through Key	MAGic Key+3
Refresh Screen	MAGic Key+ESC
Open MAGic Context Menu	MAGic Key+APPLICATION Key or MAGic Key+RIGHT MOUSE BUTTON CLICK
Quick Settings	MAGic Key+O
Toggle Navigation Quick Keys On/Off	MAGic Key+Z

General Layer

Press and release **INSERT+SPACEBAR**, followed by a keystroke listed below to perform the action. (To exit Layer Keystroke mode, press **ESC**, **SPACEBAR**, **TAB**, or **ENTER**.)

Description	General Keystrokes
Mute Speech	S
Launch Research It	R
Screen Capture of Entire Screen	CTRL+C, S
Screen Capture of Active Window	CTRL+C, W
Open Clipboard Text Viewer	C

Magnification, Views, and Enhancements

Description	Magnification, Views, and Enhancements Keystrokes
Increase Magnification	MAGic Key+NUM PAD PLUS or CTRL+EQUAL or MOUSE WHEEL UP (scroll wheel up or away from you)
Decrease Magnification	MAGic Key+NUM PAD MINUS or CTRL+DASH or MOUSE WHEEL DOWN (scroll wheel down or towards you)
Magnification Toggle On/Off	MAGic Key+DELETE

Description	Magnification, Views, and Enhancements Keystrokes
Toggle between 1x Magnification and Current Magnification	MAGic Key+SHIFT+DELETE or MAGic Key+MOUSE MIDDLE CLICK (press down on scroll wheel)
Switch to Next Magnified View	MAGic Key+NUM PAD SLASH
Switch to Previous Magnified View	MAGic Key+SHIFT+ NUM PAD SLASH
Change Text Smoothing View (HD Text, Classic, and None)	MAGic Key+CTRL+F
Toggle Color Enhancements On/Off	MAGic Key+F12
Toggle Cursor Enhancements On/Off	MAGic Key+F8
Toggle Mouse Enhancements On/Off	MAGic Key+F4
Toggle Focus Enhancements On/Off	MAGic Key+F

Panning and Screen Movement

Description	Panning and Screen Movement Keystrokes
Pan Right	MAGic Key+RIGHT ARROW
Pan Left	MAGic Key+LEFT ARROW
Pan Down	MAGic Key+DOWN ARROW
Pan Up	MAGic Key+UP ARROW

Description	Panning and Screen Movement Keystrokes
Increase Speed during Panning	NUM PAD PLUS
Decrease Speed during Panning	NUM PAD MINUS
Move to Left Edge of Screen	MAGic Key+HOME
Move to Right Edge of Screen	MAGic Key+END
Move to Top of Screen	MAGic Key+PAGE UP
Move to Bottom of Screen	MAGic Key+PAGE DOWN
Move to Beginning of Next Line	MAGic Key+ENTER

Tracking

Description	Tracking Keystrokes
Tracking Toggle On/Off	MAGic Key+R
Move View to Mouse Pointer	MAGic Key+NUM PAD 5
Move View to Cursor	SHIFT+MAGic Key+ NUM PAD 5

Cursor Movement

Description	Cursor Movement Keystrokes
Route Cursor to Mouse	INSERT+NUM PAD PLUS
Route Mouse to Cursor	INSERT+NUM PAD MINUS

Locator Mode

Description	Locator Mode Hot Keys
Start Locator	MAGic Key+F10
Stop Locator and Move to Selected Area	ENTER
Stop Locator without Moving the Magnified Area	ESC
Move Left	LEFT ARROW
Move Right	RIGHT ARROW
Move Up	UP ARROW
Move Down	DOWN ARROW
Move to Far Left Side of Screen	HOME
Move to Far Right Side of Screen	END
Move to Top of Screen	PAGE UP
Move to Bottom of Screen	PAGE DOWN

Quick View Frame

Description	Quick View Frame Hot Keys
Toggle Quick View Frame On/Off	MAGic Key+Q
Set upper left corner of frame	MAGic Key+LEFT BRACKET
Set lower right corner of frame	MAGic Key+RIGHT BRACKET

Description	Quick View Frame Hot Keys
Create frame around current dialog box option	MAGic Key+LEFT BRACKET twice quickly
Open Quick View Manager	MAGic Key+9

Speech

Description	Speech Hot Keys
Silence Current Speech	CTRL
Enable/Disable Speech	MAGic Key+F3
Increase Speech Rate and Save New Rate	WINDOWS Key+ALT+CTRL+PAGE UP
Increase Speech Rate - Temporary	ALT+CTRL+PAGE UP
Decrease Speech Rate and Save New Rate	WINDOWS Key+ALT+CTRL+PAGE DOWN
Decrease Speech Rate - Temporary	ALT+CTRL+PAGE DOWN
Voice Profiles Toggle	MAGic Key+F11
Select Language	WINDOWS Key+CTRL+L
Set Screen Echo	INSERT+S
Select Verbosity Scheme	INSERT+ALT+S

Document and Text Reading

Note: When using the document and text reading commands, if you move the mouse MAGic reads from the current location of the mouse pointer. If you move the insertion point, MAGic reads from the location of the insertion point.

Description	Document and Text Reading Hot Keys
Read All from Location (Say All)	INSERT+DOWN ARROW or MAGic Key+A or MAGic Key+LEFT MOUSE BUTTON CLICK
Fast Forward During Say All	RIGHT ARROW
Rewind During Say All	LEFT ARROW
Increase and Save New Speech Rate During Say All	PAGE UP
Decrease and Save New Speech Rate During Say All	PAGE DOWN
Read Active Window (reads from the beginning of document window)	INSERT+DOWN ARROW (twice)
Say Currently Selected Text	INSERT+SHIFT+DOWN ARROW
Say Current Character	NUM PAD 5
Say Current Word	MAGic Key+ALT or INSERT+NUM PAD 5
Spell Current Word	MAGic Key+ALT (twice) or INSERT+NUM PAD 5 (twice)
Say Next Word	INSERT+RIGHT ARROW

Description	Document and Text Reading Hot Keys
Say Prior Word	INSERT+LEFT ARROW
Select Next Word	INSERT+SHIFT+RIGHT ARROW
Select Prior Word	INSERT+SHIFT+LEFT ARROW
Say Current Line	MAGic Key+L or INSERT+UP ARROW
Say Next Line	DOWN ARROW
Say Prior Line	UP ARROW
Read to Cursor	INSERT+HOME
Read from Cursor	INSERT+PAGE UP
Say Current Sentence	MAGic Key+S
Say Next Sentence	MAGic Key+CTRL+S
Say Current Paragraph	MAGic Key+P
Say Next Paragraph	MAGic Key+CTRL+P or CTRL+DOWN ARROW
Say Prior Paragraph	MAGic Key+ALT+P or CTRL+UP ARROW
Say Contents of Clipboard	MAGic Key+X
Skim Read	INSERT+CTRL+DOWN ARROW
Skim Reading Preferences	INSERT+CTRL+SHIFT+DOWN ARROW

Text Viewer

Description	Text Viewer Hot Keys
Toggle Text Viewer on or off	MAGic Key+CTRL+V
Toggle Text Viewer position	MAGic Key+CTRL+DOWN ARROW
Pan Right	MAGic Key+CTRL+RIGHT ARROW
Pan Left	MAGic Key+CTRL+LEFT ARROW
Switch Text Viewer between monitors	WINDOWS Key+CTRL+RIGHT ARROW

Dialog Box Reading

Description	Dialog Box Reading Hot Keys
Read Title Bar	MAGic Key+T or INSERT+T
Read Bottom of Window	INSERT+PAGE DOWN
Say Top Line of Window	INSERT+END
Say Default Button in Dialog Box	INSERT+E
Say Window Prompt and Text	MAGic Key+TAB or INSERT+TAB
Say Current Access Key	SHIFT+NUM PAD 5

Table Reading

Description	Table Reading Hot Keys
Say Current Cell	ALT+CTRL+NUM PAD 5
Say Cell to Right	ALT+CTRL+RIGHT ARROW
Say Cell to Left	ALT+CTRL+LEFT ARROW
Say Cell Below	ALT+CTRL+DOWN ARROW
Say Cell Above	ALT+CTRL+UP ARROW
Say First Cell	ALT+CTRL+HOME
Say Last Cell	ALT+CTRL+END
Say First Cell in Column	ALT+CTRL+SHIFT+UP ARROW
Say Last Cell in Column	ALT+CTRL+SHIFT+DOWN ARROW
Say First Cell in Row	ALT+CTRL+SHIFT+LEFT ARROW
Say Last Cell in Row	ALT+CTRL+SHIFT+RIGHT ARROW

Table Layer Keystrokes

Press and release **INSERT+SPACEBAR**, followed by the keystrokes below to navigate and read tables. (To exit Table Layer Keystroke mode, press **ESC**, **SPACEBAR**, **TAB**, or **ENTER**.)

Description	Table Reading Hot Keys
List Keystrokes Available in this Layer	T, SHIFT+SLASH

Description	Table Reading Hot Keys
Move to Cell Above	T, UP ARROW or T, ALT+CTRL+UP ARROW
Move to Cell Below	T, DOWN ARROW or T, ALT+CTRL+SHIFT+RIGHT ARROW
Move to Cell to Left	T, LEFT ARROW or T, ALT+CTRL+LEFT ARROW
Move to Cell to Right	T, RIGHT ARROW
Say Current Cell	T, NUM PAD 5 or T, ALT+CTRL+NUM PAD 5 or T, ALT+COMMA
Move to Beginning of Current Row	T, HOME or T, ALT+CTRL+SHIFT+LEFT ARROW
Move to End of Current Row	T, END or T, ALT+CTRL+SHIFT+RIGHT ARROW
Jump to First Cell in Table	T, CTRL+HOME or T, ALT+CTRL+HOME
Jump to Last Cell in Table	T, CTRL+END or T, ALT+CTRL+END
Move to Beginning of Current Column	T, CTRL+UP ARROW or T, ALT+CTRL+SHIFT+UP ARROW
Move to Bottom of Current Column	T, CTRL+DOWN ARROW or T, ALT+CTRL+SHIFT+DOWN ARROW
Move to Beginning of Current Row	T, CTRL+LEFT ARROW

Description	Table Reading Hot Keys
Move to End of Current Row	T, CTRL+RIGHT ARROW
Jump to Next Table	T, CTRL+ENTER or T, ALT+CTRL+ENTER
Jump to Prior Table	T, CTRL+SHIFT+ENTER or T, ALT+CTRL+SHIFT+ENTER
Read the Current Row	T, SHIFT+UP ARROW or T, WINDOWS Key+COMMA
Read from Current Cell	T, SHIFT+PAGE UP
Read to Current Cell	T, SHIFT+HOME
Read Current Column	T, SHIFT+NUM PAD 5 or T, WINDOWS Key+PERIOD
Read to Bottom of Column	T, SHIFT+PAGE DOWN
Read from Top of Column	T, SHIFT+END
Jump to Previous Cell	T, WINDOWS Key+J or T, CTRL+SHIFT+WINDOWS Key+J

Typing Echo

Description	Typing Echo Hot Keys
Cycle through Indicate Capitalization options	MAGic Key+F2
Cycle through Typing Echo Unit options	INSERT+2

Mouse Echo

Description	Mouse Echo Hot Keys
Mouse Echo Toggle	MAGic Key+M

Note: Toggling the mouse echo rotates between speak lines, speak words, and mouse echo off.

Multi-Monitor

Description	Multi-Monitor Hot Keys
Switch focus between monitors	MAGic Key+SHIFT+D
Restrict the mouse pointer to the active monitor	MAGic Key+SHIFT+R
Move the current application or window in focus to the monitor on the right or the left	WINDOWS Key+SHIFT+RIGHT ARROW or WINDOWS Key+SHIFT+LEFT ARROW
View Lock. Press and hold and drag mouse to move the mouse pointer between screens without scrolling any screen content.	MAGic Key+SHIFT
In Overview mode, toggles mouse, cursor, color, and focus enhancements on and off on the unmagnified monitor.	Press and hold MAGic Key+SPACEBAR , and then press D followed by E .

Error Reporting and Recovery

Description	Error Reporting and Recovery Hot Keys
Submit Error Report (Close, restart MAGic, submit report)	INSERT+WINDOWS Key+F4
Recover MAGic	MAGic Key+WINDOWS Key+F8

Windows Shortcut Keys

General

Description	General Shortcut Keys
Get Help	F1
Open the Start menu	WINDOWS Key or CTRL+ESC
Open Windows Explorer	WINDOWS Key+E
Open the Run dialog box	WINDOWS Key+R
Find file or folder from Desktop	F3
Minimize all windows	WINDOWS Key+M
Switch between programs	ALT+TAB
Quit the active program	ALT+F4

For Windows and Menus

Description	Windows and Menus Shortcut Keys
Open the application control menu	ALT+SPACEBAR
Move to the menu bar	ALT
Choose a menu command	ENTER
Move between menus	ALT, arrow keys
Close a menu	ESC
Close a cascading menu	ALT

Description	Windows and Menus Shortcut Keys
Open a child window control menu	ALT+HYPHEN
Close a child window	CTRL+F4
Open the context menu	APPLICATION Key or SHIFT+F10

For Dialog Boxes

Description	Dialog Boxes Shortcut Keys
Move through dialog box options	TAB
Move backward through dialog box options	SHIFT+TAB
Move to another tab	CTRL+TAB
Reverse direction through tabs	CTRL+SHIFT+TAB
Move to first option	HOME
Move to last option	END
Select or clear an item in a list	SPACEBAR or CTRL+SPACEBAR
Select or clear a check box	SPACEBAR

For Reading Text

Description	Reading Text Shortcut Keys
Move left one character	LEFT ARROW
Move right one character	RIGHT ARROW
Move left one word	CTRL+LEFT ARROW
Move right one word	CTRL+RIGHT ARROW
Move to beginning of line	HOME
Move to end of line	END
Move up one paragraph	CTRL+UP ARROW
Move down one paragraph	CTRL+DOWN ARROW
Scroll up one screen	PAGE UP
Scroll down one screen	PAGE DOWN
Move to beginning of document	CTRL+HOME
Move to end of document	CTRL+END

For Editing Text

Description	Editing Text Shortcut Keys
Copy	CTRL+C
Cut	CTRL+X
Paste	CTRL+V
Undo	CTRL+Z
Delete character to the left	BACKSPACE

Description	Editing Text Shortcut Keys
Delete character to the right	DELETE
Select one character left	SHIFT+LEFT ARROW
Select one character right	SHIFT+RIGHT ARROW
Select one word left	CTRL+SHIFT+LEFT ARROW
Select one word right	CTRL+SHIFT+RIGHT ARROW
Select to beginning of line	SHIFT+HOME
Select to end of line	SHIFT+END
Select to beginning of document	CTRL+SHIFT+HOME
Select to end of document	CTRL+SHIFT+END
Select all	CTRL+A

For Windows Explorer

Description	Windows Explorer Shortcut Keys
Rename selected file or folder	F2
Open properties	ALT+ENTER
Refresh a window	F5
Switch between panes	F6 or TAB
Go up a level	BACKSPACE