



Education Software Installer 2015

SYSTEM ADMINISTRATOR'S GUIDE

FOR WINDOWS OPERATING SYSTEMS

SMART[®]

Product registration

If you register your SMART product, we'll notify you of new features and software upgrades.

Register online at smarttech.com/registration.

Keep the following information available in case you need to contact SMART Support.

Serial number:

Date of purchase:

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Contents

Chapter 1: Getting started	1
Computer requirements	2
Locating installation and supporting files	3
Activation connectivity	6
Chapter 2: Customizing the software	9
Using SMART Install Manager	9
Using third party tools	21
Chapter 3: Deploying the software	23
Using the command-line interface	24
Using third-party imaging or remote management software	27
Activating the software during installation	28
Activating the software after installation	28
Renewing keys	31
Using SMART Product Update to retrieve activation status	34
Returning a product key activation with a command-line script	35
Chapter 4: Updating the software	37
Using a Windows Installer update installation package (MSI file)	37
Using a Windows Installer patch (MSP file)	38
Chapter 5: Removing the software	41
Removing software with the SMART Uninstaller	41
Removing software from the command line interface	42
Appendix A: Windows Installer properties and parameters	49
Properties	49
Parameters	67
Examples	68
Appendix B: Language files and codes	69
Installation language files and codes	69
Handwriting recognition resources	70
Appendix C: Installing and maintaining Gallery content	73
Installing Gallery content	74
Modifying Gallery content	80
Changing Gallery content locations	86

CONTENTS

Appendix D: Removing previous versions of SMART Board software	91
Removing SMART Board software 9.x	91
Removing SMART Board software 8.x	92
Cleaning the registry	93
Index	95

Chapter 1

Getting started

Computer requirements	2
Locating installation and supporting files	3
Locating the complete installer	3
Locating installation packages	4
Required third-party packages	5
Language files	6
Activation connectivity	6
Using SMART Install Manager	7
Using Activation Wizard	7

This guide explains how to customize and deploy the following software:

- SMART Notebook 15.2 collaborative learning software
- SMART Notebook Math Tools software
- SMART Product Drivers 12.4
- SMART Ink™3.2
- SMART Response® 2015 assessment software



NOTE

For information on customizing and deploying previous versions of this software, see the appropriate system administrator's guides, available from smarttech.com/support.

This guide is intended for IT administrators and others experienced with customizing, deploying and administering Windows® software in a networked environment. To use this guide, you must

- Know IT terminology such as “registry” and “domain controller”
- Know how to complete basic administrative tasks in Windows operating systems such as modifying the registry
- Have administrative privileges and access to servers
- Have access to the DVD or to the Internet



IMPORTANT

You must run the commands documented in this guide in an *Administrator Command Prompt* window. To open an *Administrator Command Prompt* window, right-click the **Command Prompt** icon, and then select **Run as Administrator**.

Computer requirements



NOTE

Operating systems and other third-party software released after this SMART software might not be supported.

Before you install the software, ensure the teachers' computers meet the minimum requirements:

- Intel® Core™ 2 Duo processor or better
- 2 GB of RAM
- Free hard disk space:

Software	Space required
SMART Notebook software	832 MB
Gallery Essentials	575 MB
Lesson Activity Toolkit	136 MB
SMART Product Drivers	595 MB
SMART Ink	92 MB
SMART Response software	521 MB
Supporting files	295 MB
Handwriting recognition	107 MB (24-60 MB for additional languages)
Recommended total free hard disk space	3 GB

- Windows 7 SP1 (with Platform Update [KB2670838](#) and Security Update [KB3033929](#)), Windows 8, Windows 8.1 or Windows 10 operating system
- Microsoft® .NET Framework 4.5.1 for SMART Notebook software and SMART Ink
- Microsoft Visual Studio® Tools for Office for SMART Ink

- Adobe® Flash® Player 19 ActiveX® control for SMART Notebook software
- Adobe Flash Player 19 Firefox® plug-in for SMART Notebook software and SMART Response software
- Adobe Reader® 8.0 or later
- DirectX® technology 10 or later for SMART Notebook software
- DirectX 10 compatible graphics hardware for SMART Notebook software
- Internet Explorer® Internet browser 8 or later
- Internet access to download SMART software



IMPORTANT

- Some features require access to specific web sites. You might need to whitelist those web sites if your network restricts outbound Internet access. For further information, see [SMART Notebook and SMART Response VE add-ons behave unexpectedly behind a firewall or proxy](#).
- All prerequisite third-party software is built into the EXE file and is automatically installed in the correct order if you deploy the smartesi2015web.exe file or the SMART Education Software.exe file.
- The required Adobe Flash Player, Microsoft .NET Framework and Microsoft Visual Studio 2010 prerequisites will be installed automatically when you run the EXE file.

Locating installation and supporting files

Before you can customize or deploy SMART software, you must decide which type of file to use for the installation, and then locate the installation and supporting files. Select one of the following available installation file types.

- Complete installer, also known as an executable (EXE) file
- Installation package, also known as an MSI file

Locating the complete installer

The complete installer (also known as an EXE file) contains all software and prerequisite third-party software in a single, executable file. The complete installer (**SMART Education Software.exe**) is located on the DVD in **[DVD drive]\SMART Education Software.exe**.

Alternatively, you can download a web-based version of the installer (smartesi2015web.exe) from smarttech.com/software.

Third-party installation packages are located on the DVD in **[DVD drive]:\Windows\Support**.

If you want to install the third-party installation packages and do not have the DVD, the installation packages are available for download from

<https://education.smarttech.com/en/products/notebook/download#admin>.

To download the third-party installation package

1. Select **I know what software I need** under *Step 1 – Enter your key of the web page*.
2. Select **SMART Notebook 15.2** from *Step 2 - Select your version menu*.
3. Select **Windows** from *Step 3 – Confirm your operating system*.
4. Select **MSI installer Package** or **EXE Installer** from *Step 4 – Select install package*.
5. Click **Download**.
6. Browse to and double click the file you downloaded.
7. Unzip the .zip file.

When the third-party installation packages are unzipped, they can be found in the root of the *Support* folder.



NOTE

If you do not have a license key select **Download a trial version today** the trial version is only available for EXE.

Locating installation packages

The Education Software Installer installation package (**SMARTEducationSoftware.msi**), supporting third-party installers, and supporting handwriting language packages can be found within the .zip file and you can download the installation packages from

<https://education.smarttech.com/en/products/notebook/download#admin>.

Extract and save the installation packages in a location on your network that's accessible to all computers on which you plan to install the software.



IMPORTANT

SMART recommends that you use the **SMARTEducationSoftware.msi** installation package to deploy the SMART software. If you deploy the software using individual installation packages, you need to do the following:

- Ensure you use one path for the **INSTALLDIR** property for SMART Product Drivers and SMART Ink, and use a second path for the **INSTALLDIR** property for SMART Notebook software and SMART Response software.
- If you deploy any handwriting recognition resource with the administrator installer, ensure the **Support\Language** folder exists in the root of the admin.zip and the folder structure is intact if you install handwriting languages. This allows the administrator installer to find the resources to install.

Required third-party packages

Before deploying the Education Software Installer installation package, you must deploy the following third-party installation packages:

If you want to install this software:	Deploy these installation packages:
SMART Notebook software	• Microsoft .NET Framework 4.5.1 files (dotNetFx451_Full_setup.exe) • Adobe Flash Player ActiveX control (install_flash_player_active_x.msi) • Adobe Flash Player plug-in (install_flash_player_plugin.msi)
SMART Ink	• Microsoft .NET Framework 4.5.1 files (dotNetFx451_Full_setup.exe) • Microsoft Visual Studio Tools for Office (vstor_redist.exe for both 32-bit and 64-bit computers)
SMART Response software	• Adobe Flash Player plug-in (install_flash_player_plugin.msi)



IMPORTANT

- Install all the prerequisite third-party installation packages before you deploy the SMARTEducationSoftware.msi package. Some SMART Notebook software features will not function as expected if the prerequisite third-party software is not installed first. For more information, see *Installing prerequisite third-party software* on page 24.

- You can run the **dotNetFx451_Full_setup.exe** file to install all required Microsoft .NET Framework prerequisites and the Microsoft .NET Framework 4 Client Profile files. However, SMART recommends that you download the latest version of the Microsoft .NET Framework files from the Microsoft website. For information on deploying the Microsoft .NET Framework, refer to the *.NET Framework deployment guide for administrators* on the MSDN website (msdn.microsoft.com/en-us/library/ee390831.aspx).

Internet connection is required to download and install the full.NET package.

Language files

If you plan to deploy the installation packages in a language other than English (U.S.), ensure the corresponding MST file for the language is in the same folder as the MSI file (see *Installation language files and codes* on page 69).

Similarly, if you want users to be able to view and use the handwriting recognition feature in a language other than English, you must download and install the appropriate handwriting recognition resources (see *Handwriting recognition resources* on page 70).



NOTE

For users running from the EXE file, the handwriting recognition feature will automatically download and install the selected languages.

These handwriting recognition resources are located on the DVD under **[DVD drive]:\Administrators\Windows\Education Software Install\Support\Languages** or in the downloaded .zip file under **Support\Languages**.

Activation connectivity

When you deploy SMART Notebook software, make sure the computers can access SMART's web activation services. Otherwise, the computers will not be able to activate product keys, during or after installation.

The activation web services are accessible at the following URLs:

- <https://activation.service.smarttech.com/IntegrationCore?WSDL>
- <https://activation.service.smarttech.com/flexnet/services/ActivationService?WSDL>
- https://webservices.smarttech.com/products/Activation_advanced.asmx?WSDL

When viewed in a web browser, each of the above URLs should display a WSDL document.



If these sites are blocked by a proxy in your organization, add the URLs to the proxies.

SMART Install Manager and Activation Wizard will test these URLs and indicate success or failure. When you use the SMART Install Manager tool, consider that you, as an administrator, may have less restricted access to the Internet than standard users. It is important to install SMART Notebook software on a standard user's computer and use the Activation Wizard connectivity tester to confirm connectivity.

Using SMART Install Manager

Start the connectivity tester by pressing the **Check Activation Server** button. The tester will appear and show three green check marks to indicate success. SMART Install Manager will also prompt you to use the connectivity tester at the time of publishing customizations.

Using Activation Wizard

In the Activation Wizard you can access the connectivity tester from the Advanced drop-down menu in the lower left of the Activation Wizard. The tester will appear and show three green check marks to indicate success.

See the Activation FAQ for more details and for information about other issues related (smarttech.com/kb/170903).

Chapter 2

Customizing the software

Using SMART Install Manager	9
Installing SMART Install Manager	9
Selecting an installation file	10
Using SMART Install Manager with the complete installer	11
Opening a complete installer file	11
Saving your changes	11
Publishing your changes as an XML file	11
Using SMART Install Manager with the installation packages	12
Opening an installation package	12
Saving your changes	12
Publishing your changes as an MST file	13
Customizing the software	13
Using third party tools	21

You can customize the installation using one of the following methods:

- Customize the complete installer using SMART Install Manager.
- Customize the installation packages using SMART Install Manager.
- Customize the installation packages using third-party tools and Windows Installer properties.

Using SMART Install Manager

SMART Install Manager enables you to customize SMART software installation packages (also known as MSI files) by publishing MST files. You can then deploy the MSI and MST files to computers using third-party imaging or remote management software.

Installing SMART Install Manager

Install SMART Install Manager from the DVD.

OR

Download and install SMART Install Manager from the SMART Support website.

To install SMART Install Manager from the DVD

1. Insert the DVD in your computer's DVD drive.
2. Browse to **[DVD drive]\Administrators\Windows**, and then double-click **SMART Install Manager.exe**.

The SMART Install Manager installation wizard appears.

3. Follow the on-screen instructions.

To install SMART Install Manager from the website

1. Go to smarttech.com/administratordownloads.
2. Scroll to *SMART Notebook collaborative learning software*, and click **Download**.
3. Select **I know what software I need**, and complete steps 1-4 on the web page.
4. Click **Download**.
5. Browse to and double-click the file you downloaded.

The SMART Install Manager installation wizard appears.

6. Follow the on-screen instructions.

Selecting an installation file

After you install SMART Install Manager, shortcuts to the software appear on the desktop and in the Start menu (Windows 7 operating systems) or the *Apps* screen (Windows 8, 8.1 or 10 operating system).

You can use SMART Install Manager with either the complete installer or with the installation packages. Depending on which file type you select, you can do the following:

Installation file	Tasks
Complete installer (.exe file)	• Open and customize the complete installer (.exe file). • Save your changes to the installation package as an XML file. • Publish your changes to the installation packages as an XML file.
Installation package (.msi file)	• Open and customize an installation package (.msi file) • Save your changes to the installation package as an XML file. • Publish your changes to the installation packages as an MST file.

Using SMART Install Manager with the complete installer

Use the following instructions if you selected the complete installer.

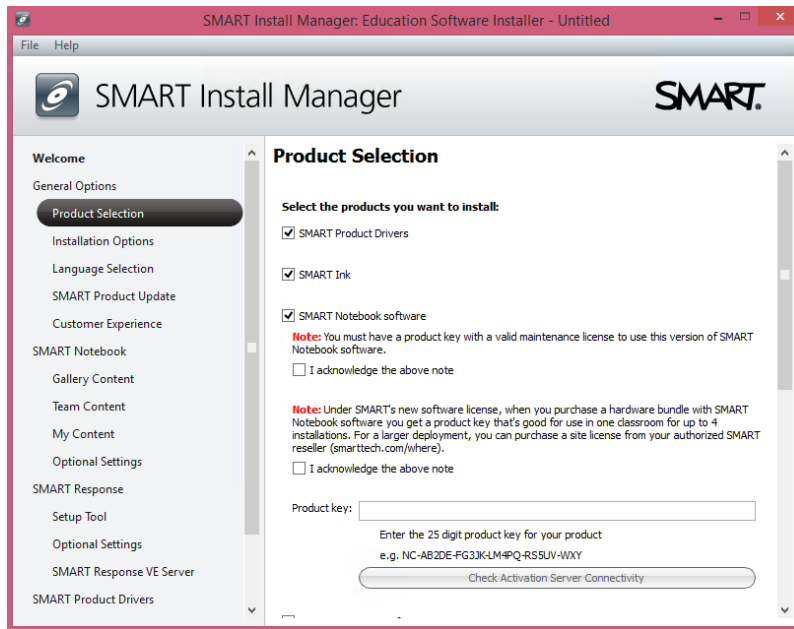
Opening a complete installer file

To customize the complete installer, drag the SMART Education Software.exe file into the SMART Install Manager window.

Alternatively, you can search for the complete installer on your computer by clicking , or on DVDs by clicking .

After you open the complete installer, a set of pages for that installer appears in SMART Install Manager. Customize the complete installer using the controls on these pages.

For further information on available controls see *Customizing the software* on page 13.



Saving your changes

After you customize the complete installer, save your changes as an XML file by selecting **File > Save As**. When you next start SMART Install Manager, load the XML file by selecting **File > Open**, or by opening the EXE file and then selecting **File > Import**.

Publishing your changes as an XML file

The final step in using SMART Install Manager to customize the complete installer is to publish your changes as an XML file. To do this, select **File > Publish**, and then use the dialog box to define a location for and create the XML file.

Using SMART Install Manager with the installation packages

Use the following instructions if you selected the installation packages.

Opening an installation package

To customize an installation package, drag the SMARTEducationSoftware.msi file into the SMART Install Manager window.

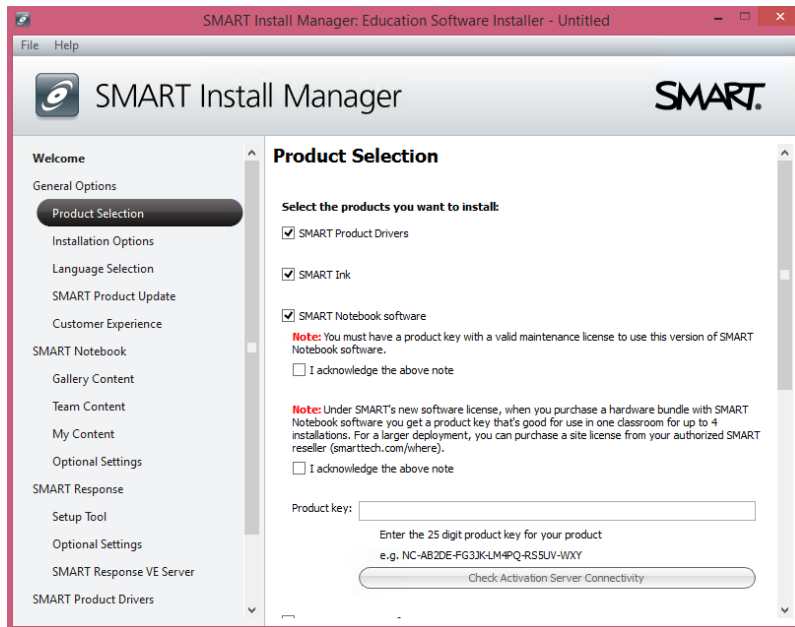


NOTE

All installation packages you've previously opened in SMART Install Manager appear in the *Unmodified Packages* tab.

After you open an installation package, a set of pages for that installation package appears in SMART Install Manager. Customize the installation package using the controls on these pages.

For further information on available controls see *Customizing the software* on the facing page.



Saving your changes

After you customize an installation package, save your changes as an XML file by selecting **File > Save As**. When you next start SMART Install Manager, load the XML file by selecting **File > Open**, or by opening the MSI file and then selecting **File > Import**.

Publishing your changes as an MST file

The final step in using SMART Install Manager to customize an installation package is to publish your changes as an MST file. To do this, select **File > Publish**, and then use the dialog box to define a location for and create the MST file.



TIP

If you use an older MST file created with an earlier version of the MSI file, it might not work properly. Use the current MSI file to create your MST file. Publish the MST file in the same location as the MSI file.

Customizing the software

After you've opened your install file in SMART Install Manager, you can customize the software by setting the controls on each page. Available controls are defined in the following table.

Control	Procedure	Notes
General Options: Product Selection		
SMART Product Drivers	Select to install SMART Product Drivers.	
SMART Ink	Select to install SMART Ink.	If you install SMART Ink, you must install SMART Product Drivers. When you select this check box, SMART Install Manager selects SMART Product Drivers automatically.
SMART Notebook software	Select to install SMART Notebook software. Read the two notes regarding SMART's new software licensing, and then select the I acknowledge the above note box located under each note.	 IMPORTANT If you don't select the two license acknowledgment boxes, SMART Notebook software doesn't install.
Product key	Type your 25-character product key for SMART Notebook software.	You can type the product key with or without hyphens. When you type a volume product key, the software activates when you deploy it to your network computers.

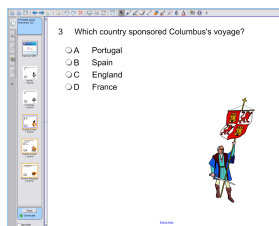
Control	Procedure	Notes
SMART Response software	Select to install SMART Response software.	If you install SMART Response software, you must also install SMART Notebook software. When you select this check box, SMART Install Manager selects SMART Notebook automatically.
Product key	If you're installing SMART Response software and students use SMART Notebook SE (Student Edition) software or SMART Response VE Internet-enabled devices to answer questions, type your 25-character product key for SMART Response software.	You can type the product key with or without hyphens. When you type a volume product key, the software activates when you deploy it to your network computers.
SMART Notebook Math Tools	Select to install SMART Notebook Math Tools software.	If you choose to install SMART Notebook Math Tools software, you must also install SMART Notebook software.
Product key	Type your 22- or 25-character product key for SMART Notebook Math Tools software.	You can type the product key with or without hyphens. When you type a volume product key, the software activates when you deploy it to your network computers.
Remove SMART products that aren't selected above if they exist on the system	Select to remove SMART software products available in the current ESI package found on any machine on your system (except the SMART products you selected above). If you don't select this setting, all SMART Education software found is upgraded, even if the SMART software isn't selected above.	This affects the behavior of the installer when you perform an upgrade. It enables you to remove any software in the current ESI package that isn't selected in the SMART Install Manager.

Control	Procedure	Notes
Delay activation	Select to register the product keys on a system without activating them. Registered keys can be activated when users start SMART Notebook software. If you don't select this setting, the software automatically activates during installation rather than manually after installation.	Delaying activation is useful for uniform deployments that include users who don't use SMART Notebook software. Only users who start SMART Notebook software activate registered keys and consume a license.
Disable the License Status dialog box	Select to prevent the software activation reminder from appearing after SMART Notebook software starts.	When this check box is selected, the software activation reminder appears only when the SMART Notebook software trial period expires.
General Options: Installation Options		
Start SMART System Menu at logon	Select to start the SMART System Menu when the user logs on.	
SMART Technologies Error Report	SMART Technologies Error Report installs by default as part of the ESI 2015 installation.	This application installs by default as part of the ESI 2015 installation, but can be turned off through Install Manager.
Installation directory	Type the path to your preferred folder where program installation files are stored. Once you specify the path, selected programs are installed in sub-directories of this location.	If you specify a folder, include a back slash (\) at the end of the path. If you don't specify a folder, Windows Installer installs the software in sub-directories of the default folder C:\Program Files\SMART Technologies (32-bit systems) or C:\Program Files (x86) SMART Technologies (64-bit systems).  IMPORTANT Ensure the folder path is valid. SMART Install Manager doesn't verify the folder path.

Control	Procedure	Notes
Install desktop shortcuts	Select to create shortcuts on the desktop.	In the Windows 7 operating system, this option creates shortcuts on the desktop. In the Windows 8 operating system, shortcuts are created in the Windows 8 Apps menu.
General Options: Language Selection		
Select the handwriting recognition resources you want to install	Select the handwriting recognition resources you want to install.	Don't select more than 18 handwriting recognition resources if you're running an administrator installation with the SMARTEducationSoftware.msi file (see smarttech.com/kb/170081).
General Options: SMART Product Update		
Install SMART Product Update in Full mode	Select to install SMART Product Update (SPU) in Full mode.	In Full mode, users can view the installed versions of SMART software as well as their product keys, and download and install updates.
Install SMART Product Update in Dashboard mode	Select to install SPU in Dashboard mode.	In Dashboard mode, users can view only the installed versions of SMART software and their product keys.
Do not install SMART Product Update	Select to not install SPU.	
Check for updates	Type the number of days (1 to 60) between SPU checks.	This option is available only if you install SPU in Full mode. By default, SPU checks for product updates every 30 days.
Notify users about SMART product updates	Select to notify users of available SMART product updates through the Windows notification area.	This option is available only if you install SPU in Full mode.

Control	Procedure	Notes
Reset per-user changes to the previous two settings	Select to remove existing Check for updates and Notify users about SMART product updates values the next time the user runs SPU.	This enables administrators to push new values for these settings to computers and ensures the new values are accepted. Individual users can still modify these settings.
General Options: Customer Experience		
Enable the Customer Experience Program on all devices	Select to automatically enable the Customer Experience Program for all users.	
Disable the Customer Experience Program on all devices	Select to automatically disable the Customer Experience Program for all users.	
SMART Notebook: Gallery Content		
See <i>Appendix C: Installing and maintaining Gallery content</i> on page 73.		
SMART Notebook: Team Content		
Team Content path	Type the path to the Team Content folder, which is a location on your school's network where users can store shared content.	For information on creating a Team Content folder, see <i>Creating or connecting to Team Content folders</i> on page 88.
SMART Notebook: My Content		
My Content path	Type the path to the My Content folder, which is a location on the user's computer where he or she can store individual content.	You can include environment variables in the path.
SMART Notebook: Optional Settings		
Install print capture driver	Select to include the Print Capture Driver in the installation.	The Print Capture Driver is a printer driver that enables users to export content from other programs to SMART Notebook software by using the SMART Notebook Document Writer.

Control	Procedure	Notes
Register SMART Document Camera drivers	Select to enable the registration of SMART Document Camera™ drivers.	Disable the registration of SMART Document Camera drivers if they conflict with the third-party drivers on the computer.
Copy the SMART Notebook tutorial file	Select to copy the SMART Notebook software tutorial file to the user's <i>Documents</i> folder.	The SMART Notebook software tutorial file opens when a user first starts the software. It demonstrates how to use the software and what's new in the current version of the software. If there is limited space on users' computers, you can choose to not copy the tutorial file to their <i>Documents</i> folders.
Update the Windows Firewall exception list	Select to allow SMART Notebook software to communicate through the Windows Firewall for advanced SMART Notebook software developer kit (NBSDK) functionality.	This property updates the Windows Firewall exception list for Domain and Private networks.
SMART Response: Setup Tool		
SMART Response LE	Select to enable students to answer questions with SMART Response LE clickers.	
SMART Response PE	Select to enable students to answer questions with SMART Response PE clickers.	

Control	Procedure	Notes
SMART Response XE	Select to enable students to answer questions with SMART Response XE clickers.	
SMART Response/Senteo	Select to enable students to answer questions with SMART Response or Senteo™ clickers.	
SMART Response VE	Select to enable students to answer questions with SMART Response VE Internet-enabled devices.	
SMART Notebook SE	Select to enable students to answer questions with SMART Notebook SE in SMART Response CE mode.	
Multiple SMART Response devices in the same class	Select to enable students to answer questions with Senteo, SMART Response, SMART Response LE, SMART Response PE or SMART Response XE clickers, or SMART Notebook SE. Select Include SMART Response VE to also enable students to answer questions with SMART Response VE Internet-enabled devices.	
SMART Response: Optional Settings		
Start Desktop Menu at log in for all users	Select to start SMART Response software when the user logs on.	

Control	Procedure	Notes
Install the education standards database	Select to install the SMART Response education standards database.	
File port	Type the port number for the file data channel. OR Type * to use a random port number for the file data channel.	This control is applicable only if students answer questions with SMART Notebook SE. The default port is 23458.
Secure Base port	Type the port number for the encrypted data channel. OR Type * to use a random port number for the encrypted data channel.	This control is applicable only if students answer questions with SMART Notebook SE. The default port is 23457.
Certificate file	Type the path to the certificate file for SSL digital certificate encryption. OR Click Browse and then browse to and select the certificate file.	This control is applicable only if students answer questions with SMART Notebook SE.
SMART Response: SMART Response VE Server		
Local server website	Type the URL of the SMART Response VE Server (for example, http://response.example.com).	
SMART Product Drivers: Optional Settings		
Enable Tablet PC Support	Select to use Tablet PC functionality with your SMART interactive display without having to connect a Tablet PC.	This property is applicable for the Windows 7 operating systems. It has no effect on other operating systems.
Start SNMP Agent services at logon	Select to enable SNMP Agent services.	
SMART Ink: Optional Settings		
Start SMART Ink at logon	Select to start SMART Ink when the user logs on.	
Make SMART Ink Viewer the default PDF viewer	Select to make SMART Ink Viewer the default PDF viewer.	

Using third party tools

You can customize SMART software installation packages by creating MST files using a third-party tool, such as Orca database editor, and the Windows Installer properties (see *Appendix A: Windows Installer properties and parameters* on page 49).

Chapter 3

Deploying the software

Using the command-line interface	24
Installing prerequisite third-party software	24
Installing SMART software with the complete installer	25
Installing SMART software with the installation package	26
Using third-party imaging or remote management software	27
Activating the software during installation	28
Activating the software after installation	28
Renewing keys	31
Renewing keys in unattended mode	32
Renewing keys in user interface mode	32
Enabling and disabling automatic renewal of keys	33
Using SMART Product Update to retrieve activation status	34
Returning a product key activation with a command-line script	35

You can deploy the software using one of the following methods:

- Deploy the complete installer using the command line interface.
- Deploy the installation packages using the command line interface.
- Deploying the installation packages using third-party imaging or remote management software.



IMPORTANT

- Install all the prerequisite third-party installation packages before you deploy the SMARTEducationSoftware.msi package. Some SMART Notebook software features will not function as expected if the prerequisite third-party software is not installed first. For more information, see *Installing prerequisite third-party software* on the next page.
- Close any Firefox browser windows before installing the Adobe Flash Player plug-in.
- Regardless of how you deploy the software, you must choose to install at least one of the software products. Otherwise, the installers do not install any of the software products.

- If you are deploying SMART Product Drivers, the user must log off and log back on after you deploy the software to start the SMART Board Service. In addition, an error message might appear after you deploy the software stating that the **SMARTBoardService.exe** file could not be found. The user can close this error message.
- If you want to install handwriting recognition resources, do so when you first deploy the software. If you install a handwriting recognition resource after the first deployment use the resource's individual MSI file.



NOTES

- You might need to manually activate the software after you deploy it.
- Once the software products are installed, users can use SMART Language Setup to download and install handwriting recognition languages that were not installed by the admin.

Using the command-line interface

Using the command-line interface, you can deploy installation packages in many ways, such as by running commands from the command prompt or by including commands in batch script files.

Installing prerequisite third-party software

To install the Microsoft .NET Framework 4.5.1 files



NOTE

Follow the instructions on the MSDN website (msdn.microsoft.com/en-us/library/ee390831.aspx) when deploying the Microsoft .NET Framework in the *.NET Framework Deployment Guide for Administrators*.

Run the following command to install the files in UI mode:

```
[Path]\dotNetFx451_Full_setup.exe /passive /showfinalerror
```

OR

Run the following command to install the files in silent mode:

```
[Path]\dotNetFx451_Full_setup.exe /q
```

Where *[Path]* is the path to the **dotNetFx451_Full_setup.exe** file.

To install Microsoft Visual Studio Tools for Office for 32-bit and 64-bit computers

Run the following command:

```
[Path]\vstor_redist.exe /q
```

Where *[Path]* is the path to the **vstor_redist.exe** file.

To install the Adobe Flash Player ActiveX control

Run the following command:

```
msiexec /i "[Path]\install_flash_player_active_x.msi" [Parameter]
```

Where

- *[Path]* is the path to the **install_flash_player_active_x.msi** file.
- *[Parameter]* is the installation parameter (see *Parameters* on page 67).

To install the Adobe Flash Player plug-in

Run the following command:

```
msiexec /i "[Path]\install_flash_player_plugin.msi" [Parameter]
```

Where

- *[Path]* is the path to the **install_flash_player_plugin.msi** file.
- *[Parameter]* is the installation parameter (see *Parameters* on page 67).

Installing SMART software with the complete installer

Run the following command if you created an XML file to customize the complete installer:

```
"[Path]\SMART Education Software.exe" --adminfile [XML file] [Parameter]
```

OR

Run the following command if you didn't create an XML file to customize the installation package:

```
"[Path]\SMART Education Software.exe" [Properties] [Parameter]
```

Where

- *[Path]* is the path to the **SMART Education Software.exe** file and XML file.
- *[XML file]* is the name of the XML file.
- *[Properties]* is a set of properties you can include to customize the installation (see *Properties* on page 49).
- *[Parameter]* is the installation parameter (see *Parameters* on page 67).

Installing SMART software with the installation package

To install SMART software

Run the following command if you created an MST file to customize the installation package:

```
msiexec /i "[Path]\SMARTEducationSoftware.msi" TRANSFORMS="[MST file]"  
[Parameter]
```

OR

Run the following command if you didn't create an MST file to customize the installation package:

```
msiexec /i "[Path]\SMARTEducationSoftware.msi" [Properties] [Parameter]
```

Where

- *[Path]* is the path to the **SMARTEducationSoftware.msi** file and MST file.
- *[MST file]* is the name of the MST file.
- *[Properties]* is a set of properties you can include to customize the installation (see *Properties* on page 49).
- *[Parameter]* is the installation parameter (see *Parameters* on page 67).

Using third-party imaging or remote management software

The following procedure shows how to deploy SMART software using Group Policy-based deployment software. For information on deploying SMART software using your organization's third-party imaging or remote management software, see the software's documentation.



NOTES

- This procedure may vary depending on your version of Windows operating system and your system preferences.
- Ensure your domain controller has Windows Installer 4.5.

To deploy an installation package

1. Copy the MSI file and the MST file to `\\Domain Controller\NETLOGON`, where *[Domain Controller]* is your domain controller.



IMPORTANT

If you want users to be able to view and use the handwriting recognition feature in a language other than English, you must also copy the **Support\Languages** folder to `\\Domain Controller\NETLOGON`. The **Support\Languages** folder is located in the downloaded .zip file. The installer looks for handwriting recognition resources in the **Support\Languages** folder only. It is important you follow these guidelines to ensure a successful installation:

- You must maintain the **Support\Languages** folder structure.
- The **Support\Languages** folder must reside in the root of the folder where the MSI file is stored.

2. Open Control Panel, double-click **Administrative Tools**, and then double-click **Active Directory Users and Computers**.

The *Active Directory Users and Computers* window appears.

3. Right-click your domain, and then select **Properties**.

The *Properties* dialog box appears.

4. Click the **Group Policy** tab, and then click **Edit**.

The *Group Policy Object Editor* dialog box appears.

5. Browse to **Computer Configuration\Software Settings**.

6. Right-click **Software Installation**, select **New > Package**, and then browse to and select the MSI file from step 1.
7. In the *Deploy Software* section, click **Advanced**, and then click **OK**.
8. Click the **Modifications** tab, click **Add**, and then browse to and select the MST file from step 1.
9. Click **OK** to apply the MST file to the MSI file.
10. Close all open windows and dialog boxes.

The next time each computer on the domain starts, the computer automatically installs the software in Silent mode with the customizations defined in the MST file.

Activating the software during installation

If you want to activate SMART Notebook software during deployment, you can use either of the following practices, depending on your deployment method:

- **System imaging:** If you use system imaging, do not activate the software before you freeze the image. You can use the Delayed Activation feature to register your product key on the system before freezing it. After the image is deployed, SMART Notebook software will prompt you to activate the registered product key. (see *Delay Activation procedure* in the table under *Customizing the software* on page 13).
- **Network deployment:** If you use a network deployment tool, such as Group Policy software installation, start up scripts, or Microsoft SCCM, you can specify your product key normally in Install Manager or by using command-line parameters. Activation will occur during installation on each individual computer.

Activating the software after installation

There are two situations in which the software doesn't activate completely:

- **Imaging a computer:** Activation is linked to the hardware identifier of the computer on which the software is installed and activated. If you clone a hard drive image with installed and activated software, you must activate the software on each cloned computer.
- **Reverting a computer to an earlier state:** If you use system recovery or protection software that periodically restores the computer to an earlier state, you might need to activate the software before locking the computer so that the activation record is not cleared each time the computer is restored.

Run the activation wizard while the computer is connected to the network, or complete the following procedure to activate the software on each computer.



NOTE

SMART Product Drivers don't require activation.

To activate SMART software after installation

Run the following command:

```
"C:\Program Files\Common Files\SMART Technologies\  
SMART Product Update\activationwizard.exe"  
--puid education_bundle --m=[Value] --v=3 --a [Optional flags] --pks "  
[Product keys]"
```

Where

- *[Value]* is 4 to run the activation wizard in unattended mode.
- OR
- *[Value]* is 6 to run the activation wizard in user interface mode.
- *[Optional flags]* are options you can include to configure the activation wizard.

Flag	Purpose
--monitor=[Number]	Specify which monitor displays the activation wizard.
--proxy=[Host:Port]	Specify the proxy host and port number to use for activation.
--proxyuser=[User]	Specify the proxy user name to use for activation.
--proxypassword=[Password]	Specify the proxy password to use for activation.
--locale=[Code]	Display the activation wizard user interface in a specific language, where <i>[Code]</i> is your language code (see <i>Installation language files and codes</i> on page 69).

- Where *[Product keys]* are one or more software product keys, separated by commas.

To activate only SMART Notebook Math Tools software after installation

Run the following command:

```
"C:\Program Files\Common Files\SMART Technologies\  
SMART Product Update\activationwizard.exe"  
--puid education_bundle --m=[Value] --v=3 --a [Optional flags]  
--pks "[Product keys]"
```

Where

- *[Value]* is 4 to run the activation wizard in unattended mode.

OR

[Value] is 6 to run the activation wizard in user interface mode.

- *[Optional flags]* are optional flags you can include to configure the activation wizard.

Flag	Purpose
--monitor=[Number]	Specify the monitor to display the activation wizard.
--proxy=[Host:Port]	Specify the proxy host and port number to use for activation.
--proxyuser=[User]	Specify the proxy user name to use for activation.
--proxypassword=[Password]	Specify the proxy password to use for activation.
--locale=[Code]	Display the activation wizard user interface in a specific language, where <i>[Code]</i> is your language code (see <i>Installation language files and codes</i> on page 69).

- Where *[Product keys]* are one or more software product keys separated by commas.

To activate only SMART Response software after installation

Run the following command:

```
"C:\Program Files\Common Files\SMART Technologies\  
SMART Product Update\activationwizard.exe" --puid response_3a  
--uipack response_3 --m=[Value] --v=3 --a [Optional flags]  
--pks "[Product keys]"
```

Where

- *[Value]* is 4 to run the activation wizard in unattended mode.

OR

[Value] is 6 to run the activation wizard in user interface mode.

- *[Optional flags]* are optional flags you can include to configure the activation wizard.

Flag	Purpose
--monitor=[<i>Number</i>]	Specify the monitor to display the activation wizard.
--proxy=[<i>Host:Port</i>]	Specify the proxy host and port number to use for activation.
--proxyuser=[<i>User</i>]	Specify the proxy user name to use for activation.
--proxypassword=[<i>Password</i>]	Specify the proxy password to use for activation.
--locale=[<i>Code</i>]	Display the activation wizard user interface in a specific language, where <i>[Code]</i> is your language code (see <i>Installation language files and codes</i> on page 69).

- Where *[Product keys]* are one or more software product keys separated by commas.



NOTE

This command is applicable only if you're running SMART Response software in CE mode (students answer questions with SMART Notebook SE) or VE mode (students answer questions with Internet-enabled devices). Other modes don't require activation.

Renewing keys

If your school has purchased maintenance or subscription licenses, SMART software attempts to renew the keys automatically on a scheduled basis before and after the keys' expiry dates. However, you can choose to explicitly renew the keys at a specified time. You can also choose to disable automatic renewal in situations where you don't want the keys on a computer to be renewed (because, for example, you're planning to retire the computer).



TIP

The activation wizard user interface distinguishes between maintenance and subscription licenses:

- Maintenance licenses are labeled with "Valid for versions released before *[Date]*".
- Subscription licenses are labeled with the expiration date of the key.

Renewing keys in unattended mode

To renew all keys

Run the following command:

```
"C:\Program Files\Common Files\SMART Technologies\  
SMART Product Update\activationwizard.exe" --m=15 --v=3  
--renewal-mode all
```

To renew all keys associated with a single product

Run the following command:

```
"C:\Program Files\Common Files\SMART Technologies\  
SMART Product Update\activationwizard.exe" --m=15 --v=3  
--renewal-mode product --puid=[Product]
```

Where *[Product]* is **response_15** or **education_bundle**.



NOTE

This command renews all keys associated with the specified product.

To renew specific keys

Run the following command:

```
"C:\Program Files\Common Files\SMART Technologies\  
SMART Product Update\activationwizard.exe" --m=15 --v=3  
--renewal-mode product --puid=[Product] --pks "[Product keys]"
```

Where

- *[Product]* is **response_15** or **education_bundle**.
- Where *[Product keys]* are one or more software product keys separated by commas.

Renewing keys in user interface mode

To renew all keys associated with a single product

Run the following command:

```
"C:\Program Files\Common Files\SMART Technologies\  
SMART Product Update\activationwizard.exe" --m=16 --v=3  
--renewal-mode product --puid=[Product] --uipack=[UI pack]
```

Where

- *[Product]* is **response_15** or **education_bundle**.
- *[UI pack]* is the corresponding UI pack for the selected product (**response_3** or **education_bundle**).



NOTE

This command renews all keys associated with the specified product.

To renew specific keys

Run the following command:

```
"C:\Program Files\Common Files\SMART Technologies\  
SMART Product Update\activationwizard.exe" --m=16 --v=3  
--renewal-mode product --puid=[Product] --uipack=[UI pack]  
--pks "[Product keys]"
```

Where

- *[Product]* is **response_15** or **education_bundle**.
- *[UI pack]* is the corresponding UI pack for the selected product (**response_3** or **education_bundle**).
- Where *[Product keys]* are one or more software product keys separated by commas.

Enabling and disabling automatic renewal of keys

To enable automatic renewal of specific keys

Run the following command:

```
"C:\Program Files\Common Files\SMART Technologies\  
SMART Product Update\activationwizard.exe" --m=17  
--puid=[Product] --v=3 --auto-renew --pks "[Product keys]"
```

Where

- *[Product]* is **response_15** or **education_bundle**.
- Where *[Product key]* is the software product key.

To disable automatic renewal of specific keys

Run the following command:

```
"C:\Program Files\Common Files\SMART Technologies\  
SMART Product Update\activationwizard.exe" --m=17  
--puid=[Product] --v=3 --no-auto-renew --pks "[Product keys]"
```

Where

- [Product] is **response_15** or **education_bundle**.
- Where [Product keys] are one or more software product keys separated by commas.

To disable automatic renewal on a computer

Run the following command:

```
"C:\Program Files\Common Files\SMART Technologies\  
SMART Product Update\activationwizard.exe" --m=18 --v=3  
--no-auto-renew
```

To enable automatic renewal on a computer

Run the following command:

```
"C:\Program Files\Common Files\SMART Technologies\  
SMART Product Update\activationwizard.exe" --m=18 --v=3  
--auto-renew
```

Using SMART Product Update to retrieve activation status

You can use SMART Product Update (SPU) from the command line to retrieve information on SPU settings and activation status. You could use this in scripts with industry standard execution tools to retrieve information on your network's computers.

To use SMART Product Update on 32-bit Windows

Run the following command:

```
"C:\Program Files\Common Files\SMART Technologies\  
SMART Product Update\SPUCmdLine.exe" --query [OPTIONS] > OutputFile.txt 2>nul
```



NOTES

- **OutputFile.txt** is the file in which you record the results. The path to this file can be absolute or relative. When specifying a path to a folder, make sure you have write permissions to that folder.
- The **2>nul** command suppresses any messages that appear on the Standard Error output stream.
- [OPTIONS] is used for the following optional parameters:
 - **--format [FORMAT]**
Valid values for [FORMAT] are: CSV, JSON or XML. The JSON and XML format provides full details, and CSV formats provide basic information.
 - **--key [KEY]**
This parameter is used to narrow down the returned results. The appropriate format for this parameter is JSON or XML.
- The 64-bit version of this command uses the same options and parameters as the 32-bit version.

To use SMART Product Update on 64-bit Windows

Run the following command:

```
C:\Program Files (x86)\Common Files\SMART Technologies\  
SMART Product Update\SPUCmdLine.exe" --query [OPTIONS] > OutputFile.txt 2>nul
```

Returning a product key activation with a command-line script

As of 15.0, SMART Notebook supports the return of a product key activation with a command-line script. An activationwizard.exe command can be deployed across the network to return the activation from several computers, making the product key available for use on other computers.

You can specify multiple keys in one command by using the command format below.

To return product keys on 32-bit Windows

Run the following command:

```
C:\Program Files\Common Files\SMART Technologies\
```

```
SMART Product Update\activationwizard.exe" --puid notebook_14 --m=4 --v=3 --  
return --pks=[Product key],[Product key]
```

To return product keys on 64-bit Windows

Run the following command:

```
C:\Program Files (x86)\Common Files\SMART Technologies\  
SMART Product Update\activationwizard.exe" --puid notebook_14 --m=4 --v=3 --  
return --pks=[Product key],[Product key]
```

Chapter 4

Updating the software

SMART periodically releases updates to its software. These updates add new features and resolve issues.

Go to smarttech.com/software to download the latest installation package. SMART provides updates in two file formats in the installation package:

- Windows Installer update installation packages (MSI files)
- Windows Installer patches (MSP files)



NOTE

MSP files are available only for select updates as identified on the SMART website.

Which file format you use depends on the version of the software installed on your computers and the version of the update. If these versions are the same, you can use the MSP file, if available, to install the update. If these versions are different (because, for example, a previous version of the software is installed on your computers), you must first upgrade the software on your computers to the same version as the update using the MSI file and then install the update using the MSP file, if available.

After you download an installation package and extract the update files, place the update files in a location on your network that's accessible to all the computers you plan to update.



IMPORTANT

You cannot roll back an update after installing it on your computers. You must remove the full version of the software using Control Panel or the command line interface (see *Chapter 5: Removing the software* on page 41), and then install the previous version of the software.

Using a Windows Installer update installation package (MSI file)

The command line for running an update using a Windows Installer update installation package varies depending on whether the update is major or minor.



NOTE

The SMART website indicates whether an update is major or minor.

To run a major software update using a Windows Installer update installation package

Run the following command:

```
msiexec /i "[Path]\[File].msi" [Parameter]
```

Where

- *[Path]* is the path to the MSI file.
- *[File]* is the name of the MSI file.
- *[Parameter]* is the installation parameter (see *Parameters* on page 67).



IMPORTANT

Do not include the REINSTALLMODE and REINSTALL properties.

To run a minor software update using a Windows Installer update installation package

Run the following command:

```
msiexec /i "[Path]\[File].msi" REINSTALLMODE=vomus REINSTALL=ALL [Parameter]
```

Where

- *[Path]* is the path to the MSI file.
- *[File]* is the name of the MSI file.
- *[Parameter]* is the installation parameter (see *Parameters* on page 67).



IMPORTANT

You must include the REINSTALLMODE=vomus and REINSTALL=ALL properties for a minor update to succeed.

Using a Windows Installer patch (MSP file)

To run a software update using a Windows Installer patch

Run one of the following commands:

```
msiexec /p "[Path]\[File].msp" REINSTALLMODE=omus /q
```

```
msiexec /update "[Path]\[File].msp" /quiet
```

Where

- *[Path]* is the path to the MSP file.
- *[File]* is the name of the MSP file.

Chapter 5

Removing the software

Removing software with the SMART Uninstaller	41
Removing software from the command line interface	42
Recommended procedures	42
Other commands	45
Product codes	46
SMART Notebook software	46
SMART Response software	47
SMART Product Drivers	47
SMART Ink	48
SMART Common Files	48

SMART Uninstaller enables you to remove SMART software.

Removing software with the SMART Uninstaller

You can remove SMART software from individual computers using the SMART Uninstaller user interface.

To remove SMART software

1. In Windows 7 operating systems, select **Start > All Programs > SMART Technologies > SMART Tools > SMART Uninstaller**.

OR

In Windows 8, 8.1 or 10 operating systems, go to the *Apps* screen and then scroll to and click **SMART Uninstaller**.



NOTE

In some upgrade scenarios, **SMART Uninstaller.exe** may be located in the **SMART Technologies** folder rather than the **SMART Technologies\SMART Uninstaller** folder. You will need to adjust the scripts appropriately to copy from both locations.

2. Click **Next**.

3. Select the check boxes of the SMART software and supporting packages that you want to remove, and then click **Next**.



NOTES

- Some SMART software is dependent on other SMART software. For example, if you select the **SMART Notebook** check box, SMART Uninstaller selects the **SMART Response** check box automatically, because SMART Response software is dependent on SMART Notebook software.
- SMART Uninstaller automatically removes any supporting packages that are no longer used. If you choose to remove all SMART software, SMART Uninstaller automatically removes all supporting packages, including itself.



TIPS

- To select all software and supporting packages, click **Select All**.
- To clear the selection of all software and supporting packages, click **Clear All**.

4. Click **Uninstall**.

SMART Uninstaller removes the selected software and supporting packages.

5. Click **Finish**.

Removing software from the command line interface

In addition to removing SMART software using the SMART Uninstaller user interface, you can remove SMART software using the SMART Uninstaller command line interface. This enables you to automate the removal of SMART software and remove SMART software remotely.

Recommended procedures

The following are recommended procedures for removing SMART software using the SMART Uninstaller command line interface.

Copy SMART Uninstaller to a temporary location before running command lines and prefix command lines with **start /wait**.

To remove all SMART software

1. Copy SMART Uninstaller to a temporary location by running one of the following commands:

- For 32-bit operating systems:

```
copy "%CommonProgramFiles%\SMART Technologies\  
SMART Uninstaller\SMART Uninstaller.exe" "%TEMP%"
```

- For 64-bit operating systems:

```
copy "%CommonProgramFiles(x86)%\SMART Technologies\  
SMART Uninstaller\SMART Uninstaller.exe" "%TEMP%"
```

2. Remove all software by running the following command:

```
start /wait "SMART Uninstaller" "%TEMP%\SMART Uninstaller.exe"  
--noui --uninstall-all --uilevel none
```

3. Delete the copy of SMART Uninstaller in the temporary location by running the following command:

```
del "%TEMP%\SMART Uninstaller.exe"
```

To remove select SMART software by product name

1. Copy SMART Uninstaller to a temporary location by running one of the following commands:

- For 32-bit operating systems:

```
copy "%CommonProgramFiles%\SMART Technologies\  
SMART Uninstaller\SMART Uninstaller.exe" "%TEMP%"
```

- For 64-bit operating systems:

```
copy "%CommonProgramFiles(x86)%\SMART Technologies\  
SMART Uninstaller\SMART Uninstaller.exe" "%TEMP%"
```

2. Remove select software by running the following command:

```
start /wait "SMART Uninstaller" "%TEMP%\SMART Uninstaller.exe"  
--noui --uninstall "[Product names]" --uilevel none
```

Where *[Product names]* is a comma delimited list of product names (for example, **SMART Notebook, SMART Response**).

4. Delete the copy of SMART Uninstaller in the temporary location by running the following command:

```
del "%TEMP%\SMART Uninstaller.exe"
```

To remove select SMART software by product code

1. Copy SMART Uninstaller to a temporary location by running one of the following commands:

- For 32-bit operating systems:

```
copy "%CommonProgramFiles%\SMART Technologies\  
SMART Uninstaller\SMART Uninstaller.exe" "%TEMP%"
```

- For 64-bit operating systems:

```
copy "%CommonProgramFiles(x86)%\SMART Technologies\  
SMART Uninstaller\SMART Uninstaller.exe" "%TEMP%"
```

2. Remove select software by running the following command:

```
start /wait "SMART Uninstaller" "%TEMP%\SMART Uninstaller.exe"  
--noui --uninstall-pc [Product codes] --uilevel none
```

Where *[Product codes]* is a comma delimited list of product codes (see *Product codes* on page 46).

4. Delete the copy of SMART Uninstaller in the temporary location by running the following command:

```
del "%TEMP%\SMART Uninstaller.exe"
```

Other commands

In addition to the commands in the recommended procedures, you can include the following commands with SMART Uninstaller.

Command	Description	Notes (if any)
<code>--dry-run</code>	Runs the command line but doesn't remove the software.	This is useful for testing command lines before implementing them.
<code>--locale [Language code]</code> Where <i>[Language code]</i> is a language code (for example, fr for French)	Displays SMART Uninstaller in a language other than the operating system's language.	
<code>--uilevel [Level]</code> Where <i>[Level]</i> is none, basic (default), reduced or full	Specifies the user interface that displays when SMART Uninstaller removes the software.	Normally, --uilevel none is used only in combination with --noui .
<code>--no-auto-remove</code>	Disables the automatic removal of supporting packages (for example, SMART Common Files) that are no longer required after the selected packages are removed.	This is used only if --noui is also included.

Command	Description	Notes (if any)
--noui	Doesn't display the SMART Uninstaller user interface.	Normally, --noui is used only in combination with --uilevel none.
--uninstall-all	Removes all detected SMART packages.	
--uninstall [<i>Product names</i>] Where [<i>Product names</i>] is a comma delimited list of product names (for example, SMART Notebook,SMART Response)	Removes the specified products.	
--uninstall-pc [<i>Product codes</i>] Where [<i>Product codes</i>] is a comma delimited list of product codes (see <i>Product codes</i> below)	Removes the specified products.	

Product codes

SMART Notebook software

Version	Product code
11.0	{AFE024C7-7CA7-4C8E-90EE-D877C7CD96A3}
11.1	{A810B5F5-8ACA-4670-B6B3-F98B07DFF6C4}
11.2	{82E3F365-86BD-4EA8-80CA-F498EBE89537}
11.3	{E57F6C8B-E159-477E-93BF-764759747BC4}
11.4	{79660EE7-9C0B-4962-B566-2693FE34719D}
14.0	{4DF72C85-33C5-4297-A0DE-FC6DB766695D}
14.1	{84579080-E961-4DE7-93AB-5E2B81A96387}
14.2	{D4C0DEF0-8D83-4884-91D9-83A07D0F2CB5}
14.3	{18E53BBB-971F-4A77-9620-EB2C1539E308}
15.0	{955F23AC-CABC-4F34-A3E4-3DF2305B64BE}
15.1	{5E112563-E291-4C20-849F-49CE3BAD73D1}
15.2	{E6EE86DD-5B8B-483D-83EB-18B9E1FD9BB8}

SMART Response software

Version	Product code
4.0	{02885557-ACA5-4B6F-85D2-3F1A9B8580F5}
4.5	{BB0A384B-10C1-478A-8A3C-538B74590484}
4.6	{2D13D1AD-856F-4C63-BBF1-C2963197F4D0}
4.7	{901A7D5C-68D6-43DB-A7F0-FA8086020FE6}
4.8	{351B2133-C2A9-40A6-B6E8-B8468BD91D1A}
14.0	{898459B6-AD29-43D0-AF51-5AC9DEDE4891}
14.1	{A6084374-342D-48AB-912C-7AF5602582AF}
14.2	{5DC9DF61-9233-4402-B3BB-5DD59EB5BED0}
14.3	{760BEE4C-2DC0-4626-96B4-47DD69B10A61}
15.0	{E689001E-D9E8-4374-BE3F-04D55072B3CB}
15.1	{034048D1-1E3F-4A66-96AD-8EF1B7C803C1}
15.2	{034048D1-1E3F-4A66-96AD-8EF1B7C803C1}

SMART Product Drivers

Version	Product code
11.0	{E3189F44-F7BD-4F96-B756-A0AEFAF61D3A}
11.1	{E91FBB79-D736-4834-A1AB-2A5CDD2DB7E7}
11.3	{589B09F5-0768-4BE9-B8C0-DD253E6B3643}
11.4	{53330A17-78DE-458E-9997-292A2D6D3ADD}
11.5	{B1209081-5D82-4F8A-8318-BE7583B6E265}
11.6	{890680EC-2F88-47F0-970C-593081E62593}
12	{111A1715-267A-4387-B63D-D7E6E7D97677}
12.1	{67F35E75-A186-4F80-B291-8283331D5550}
12.2	{C3C9E674-3FD2-4535-B733-C7C62074DC4A}
12.3	{A418B556-1E81-4D42-B54E-979720B3DEBF}
12.4	{BFF16FAE-1B84-40EA-B60E-385F5A392512}

SMART Ink

Version	Product code
2.0	{5ABC49B5-D0DC-428D-A082-4AEFF6490F04}
2.1	{B4F5D378-9784-442B-97D5-24CAAF3299AA}
2.2	{FC69B741-DC56-4591-97A2-A6BA211B7E76}
2.3	{FAF3CC40-F647-4AA7-84D6-7BD67C4F2362}
2.3.1	{232C8EC0-4856-4EEA-B99F-5FCC4E103A09}
3.1	{52ECF84B-09E9-4C98-B4FD-17EE1BC09921}
3.2	{57E67FAF-87D9-4573-BC7F-C95B1A71287A}

SMART Common Files

Version	Product code
2011 (10.8)	{0E5DD7A3-BE29-430C-970B-C553F4A58C39}
2012 (11.0)	{ED2455F7-6AA6-4D3C-85E9-A72297DD7051}
2013 (11.1)	{3D7235B2-3305-4FE1-A9A1-5F8AC2F33122}
2013 (11.2)	{9057211D-439A-4C0D-95DE-498CF54ADF8C}
2013 (11.3)	{BBA07B40-F7C6-44F7-BF08-767F8835685F}
2013 (11.4)	{26A95DBF-A866-4838-A8C9-FA219FCBD22E}

Appendix A

Windows Installer properties and parameters

Properties	49
Parameters	67
Examples	68

Properties

The following are properties for the installation package.

Property	Allowed values	Notes
General properties		
TRANSFORMS	[String]: A language MST file for the installation (see <i>Installation language files and codes</i> on page 69).	Ensure the specified MST file is in the same folder as the MSI file. This property defines the language of the installer's user interface and the installed software's icons and shortcuts. It doesn't define the installed software's user interface language. The installed software uses the computer's operating system language if it's supported, or English (U.S.) if not. You can also use the TRANSFORMS property to apply an MST file created by SMART Install Manager (see) or a third-party tool.

WINDOWS INSTALLER PROPERTIES AND PARAMETERS

Property	Allowed values	Notes
MSIFASTINSTALL	1: Disable creating a system restore point. 0 (default): Ask Windows to create a system restore point.	This property applies to the complete installer (EXE) only. The MSI installer follows Windows Installer conventions and doesn't create a system restore point in quiet (/qn) mode, but asks Windows to create a system restore point in full, reduced or basic UI modes. By default, Windows 8 operating system and later creates a maximum of one system restore point in a 24-hour period.
ACTIVATE_LICENSE	1 (default): Register the product keys and automatically activate the software. 0: Register the product keys and don't automatically activate the software (delay activation). Registered keys can be activated when users start SMART Notebook software.	Delaying activation (0) is useful for uniform deployments that include users who don't use SMART Notebook software. Only users who start SMART Notebook software activate registered keys and consume a license.
DISABLE_NAG	1: Prevent the software activation reminder from appearing after SMART Notebook software starts. 0 (default): Allow the software activation reminder to appear after SMART Notebook software starts.	When 1 is selected, the software activation reminder appears only when the SMART Notebook software trial period expires.
INSTALL_BOARD	1: Install SMART Product Drivers.	

WINDOWS INSTALLER PROPERTIES AND PARAMETERS

Property	Allowed values	Notes
LAUNCH_SYSTEM_MENU	1 (default): Automatically start SMART System Menu after installation and each time the system is started. [Empty string]: Don't automatically start SMART System Menu after installation and each time the system is started.	
INSTALL_INK	1: Install SMART Ink	
INSTALL_NOTEBOOK	1: Install SMART Notebook software.	
NB_PROD_KEY	[String]: The 25-character product key for SMART Notebook software you received from SMART.	This property automatically appears in the <i>Product Key</i> box in the activation wizard if you choose not to include the ACTIVATE_LICENSE property.
INSTALL_RESPONSE	1: Install SMART Response software.	If you include the INSTALL_RESPONSE property, Windows Installer installs SMART Notebook software even if you don't include the INSTALL_NOTEBOOK property.
RESP_PROD_KEY	[String]: The 25-character product key for SMART Response software you received from SMART if students use SMART Notebook SE or SMART Response VE Internet-enabled devices to answer questions.	This property automatically appears in the <i>Product Key</i> box in the activation wizard if you choose not to include the ACTIVATE_LICENSE property.
ENABLE_MATH_TRIAL	1: Install SMART Notebook Math Tools software.	If you include the ENABLE_MATH_TRIAL property, Windows Installer installs SMART Notebook software even if you don't include the INSTALL_NOTEBOOK property.

Property	Allowed values	Notes
MATH_PROD_KEY	[String]: The 22- or 25-character product key for SMART Notebook Math Tools software you received from SMART.	This property automatically appears in the <i>Product Key</i> box in the activation wizard if you choose not to include the <code>ACTIVATE_LICENSE</code> property.
UNINSTALL_EXISTING	1: Remove SMART software products available in the current ESI package found on any machine on your system (except any SMART products you included in your command). [Empty string] (default): Upgrade all SMART Education software found on your system, even if the SMART software isn't selected above.	This enables you to remove any software in the current ESI package that isn't included in your command.
INSTALLDIR	[String]: Type the path to your preferred folder where program installation files are stored. Once you specify the path, selected programs are installed in sub-directories of this location	If you specify a folder, include a back slash (\) at the end of the path. If you don't specify a folder, Windows Installer installs the software in sub-directories of the default folder C:\Program Files\SMART Technologies (32-bit systems) or C:\Program Files (x86)\SMART Technologies (64-bit systems).  IMPORTANT Ensure the folder path is valid. SMART Install Manager doesn't verify the folder path.

WINDOWS INSTALLER PROPERTIES AND PARAMETERS

Property	Allowed values	Notes
DESKTOP_ICONS	1 (default): Creates desktop shortcuts to the software. [Empty string]: Does not create desktop shortcuts.	In the Windows 8 operating systems, shortcuts appear in the App view under SMART Technologies rather than on the Start Screen.
CR_ENABLED	1 (default): Enables SMART Technologies Error Report. 0: Disables SMART Technologies Error Report.	
SPU properties		
INSTALL_SPU	1 (default): Install SPU in Full mode. 2: Install SPU in Dashboard mode. 0: Don't install SPU.	In Full mode, users can view the installed versions of SMART software as well as their product keys, and download and install updates. In Dashboard mode, users can view only the installed versions of SMART software and their product keys.
SPU_TIME_FRAME	[Integer]: The time in days (1 to 60) between SPU checks.	By default, SPU checks for product updates every 30 days. This property is applicable only if you install SPU.
PRODUCT_NOTIFICATION	1 (default): Notify the user when updates are available from SPU. 0: Don't notify the user when updates are available from SPU.	This property is applicable only if you install SPU.

Property	Allowed values	Notes
INVALIDATE_HKCU_INTERVAL	1: Remove existing Check for updates and Notify users about SMART product updates values the next time the user runs SPU. 0 (default): Don't remove existing Check for updates and Notify users about SMART product updates values the next time the user runs SPU.	This enables administrators to push new values for these settings to computers and ensures the new values are accepted. Individual users can still modify these settings
Customer Experience Program properties		
CUSTOMER_LOGGING	1 (default): Enable the Customer Experience Program. 0: Disable the Customer Experience Program.	

APPENDIX A
WINDOWS INSTALLER PROPERTIES AND PARAMETERS

Property	Allowed values	Notes
SMART Notebook software properties		

Property	Allowed values	Notes
CONTENT_TARGET_PATH CONTENT_ SOURCE_ PATH NETWORK_CONTENT	If you install Gallery content on each user's computer, and are including the gallery files in the same folder as the installer (option 1): - Do not set CONTENT_SOURCE_PATH. - Set CONTENT_TARGET_PATH to the path of the folder you want to install the Gallery content (if you don't want to use the default folder). If you install Gallery content on each user's computer from a folder on your school's network (option 2): - Set CONTENT_SOURCE_PATH to the path of the folder on your school's network that contains the Gallery Essentials and Lesson Activity Toolkit folders. - Set CONTENT_TARGET_PATH to the path of the folder where you want to install the Gallery content (if you don't want to use the default folder). If you install Gallery content in a central location (option 3): - Set NETWORK_CONTENT to 1. - Set CONTENT_TARGET_PATH to the path of the the folder on your school's network that contains the Gallery Essentials and Lesson Activity Toolkit folders.	For more information on the these options, see <i>Installing Gallery content</i> on page 74. If you select option 3, Windows Installer ignores the FULL_GALLERY and *_CONTENT properties. The default Gallery folder is [All users profile folder] \SMART Technologies. Make sure that the student/teacher computers can access network paths to shared locations. If they cannot, the Gallery will not install successfully.

Property	Allowed values	Notes
FULL_GALLERY	1: Install the full Gallery Essentials collection.	
ADMIN_CONTENT	1: Install the Administration and Evaluation category.	Don't include this property if you included the FULL_GALLERY category.
ARTS_CONTENT	1: Install the Arts category.	Don't include this property if you included the FULL_GALLERY category.
ENGLISH_CONTENT	1: Install the English and Language Arts category.	Don't include this property if you included the FULL_GALLERY category.
GEOGRAPHY_CONTENT	1: Install the Geography category.	Don't include this property if you included the FULL_GALLERY category.
HISTORY_CONTENT	1: Install the History category.	Don't include this property if you included the FULL_GALLERY category.
MATH_CONTENT	1: Install the Mathematics category.	Don't include this property if you included the FULL_GALLERY category.
PEOPLE_CONTENT	1: Install the People and Culture category.	Don't include this property if you included the FULL_GALLERY category.
SCIENCE_CONTENT	1: Install the Science and Technology category.	Don't include this property if you included the FULL_GALLERY category.
SPECIAL_CONTENT	1: Install the Special Needs category.	Don't include this property if you included the FULL_GALLERY category.
SPORTS_CONTENT	1: Install the Sports and Recreation category.	Don't include this property if you included the FULL_GALLERY category.
LAT_CONTENT	1: Install the Lesson Activity Toolkit collection.	

Property	Allowed values	Notes
TEAM_CONTENT_PATH	[String]: Specify the path to the Team Content folder, which is a location on your school's network where users can store shared content.	For information on creating a Team Content folder, see <i>Creating or connecting to Team Content folders</i> on page 88. You must specify a path to an existing folder in this property.
MY_CONTENT	[String]: Specify the path to the My Content folder, which is a location on the user's computer where he or she can store individual content.	You can include environment variables in the path. This property is useful if you want to store content in a shared network folder so users can access their My Content folder from any computer on the network.
PRINT_CAPTURE	1 (default): Install the Print Capture Driver. [Empty string]: Don't install the Print Capture Driver.	The Print Capture Driver is a printer driver that enables users to export content from other programs to SMART Notebook software by using the SMART Notebook Document Writer.
INSTALL_DOCCAM_DRIVERS	1 (default): Enable the registration of SMART Document Camera drivers. [Empty string]: Disable the registration of SMART Document Camera drivers.	Disable the registration of SMART Document Camera drivers if they conflict with existing third-party drivers on the computer.

APPENDIX A
WINDOWS INSTALLER PROPERTIES AND PARAMETERS

Property	Allowed values	Notes
COPY_TUTORIAL	1 (default): Copy the SMART Notebook software tutorial file to the user's <i>Documents</i> folder. 0: Don't copy the SMART Notebook software tutorial file to the user's <i>Documents</i> folder.	The SMART Notebook software tutorial file opens when a user first starts the software. It demonstrates how to use the software and what's new in the current version of the software. If there is limited space on users' computers, you can choose to not copy the tutorial file to their <i>Documents</i> folders.

WINDOWS INSTALLER PROPERTIES AND PARAMETERS

Property	Allowed values	Notes
ENABLE_NB_FIREWALL	1 (default): Allow SMART Notebook software to communicate through the Windows Firewall for advanced NBSDK functionality. 0: Don't allow SMART Notebook software to communicate through the Windows Firewall. SMART Notebook software can listen locally but is unable to communicate through the Windows Firewall.	This property updates the Windows Firewall exception list for Domain and Private networks.

APPENDIX A
WINDOWS INSTALLER PROPERTIES AND PARAMETERS

Property	Allowed values	Notes
SMART Response software properties		
RESPONSE_ MODE	1: Install the software in standard mode. (Students answer questions using Senteo or SMART Response clickers.) 2: Install the software in CE mode. (Students answer questions using SMART Notebook SE.) 4: Install the software in LE mode. (Students answer questions using SMART Response LE clickers.) 8: Install the software in PE mode. (Students answer questions using SMART Response PE clickers.) 16: Install the software in XE mode. (Students answer questions using SMART Response XE clickers.) 32 (default): Install the software in VE mode. (Students answer questions using SMART Response VE Internet-enabled devices.) 64: Install the software in Mixed mode. (Students answer questions using Senteo, SMART Response, SMART Response LE, SMART Response PE or SMART Response XE clickers or SMART Notebook SE.) 128: Install the software in Mixed mode with additional support for SMART Response VE Internet-enabled devices.	You or the user can change the mode after installation using the SMART Response Setup Tool.

APPENDIX A
WINDOWS INSTALLER PROPERTIES AND PARAMETERS

Property	Allowed values	Notes
LOSU_RDM	1 (default): Add the SMART Response icon to the notification area when the user logs on. [Empty string]: Don't add the SMART Response icon to the notification area when the user logs on.	
LOSU_RHWS	1 (default): Start the SMART Response hardware service when the user logs on. [Empty string]: Don't start the SMART Response hardware service when the user logs on.	
INSTALL_DATABASE	1 (default): Install the SMART Response education standards database. [Empty string]: Don't install the SMART Response education standards database.	
FILE_PORT	[String]: The port you want to use to receive assessment information from SMART Notebook SE.	This property is applicable only if you're installing SMART Response software in CE mode.
SECURE_BASE_PORT	[String]: The secure port you want to use to receive assessment information from SMART Notebook SE.	This property is applicable only if you're installing SMART Response software in CE mode.
CERTIFICATE_FOLDER	[String]: The path to and file name of the security certificate for Diffie-Hellman encryption.	This property is applicable only if you're installing SMART Response software in CE mode.
VE_SERVER_WEBSITE	[String]: The URL of the SMART Response VE Server (for example, http://response.example.com).	

Property	Allowed values	Notes
SMART Product Drivers properties		
ENABLE_STPCS	1 (default): Use Tablet PC functionality with the SMART Board interactive whiteboard without connecting a Tablet PC. 0: Don't use Tablet PC functionality with the SMART Board interactive whiteboard without connecting a Tablet PC.	This property is applicable for the Windows 7 operating systems. It has no effect on other operating systems. If you specify 0, users don't have touch support at the Windows logon screen.
START_SNMP_SERVICE	1: Start Simple Network Management Protocol (SNMP) when the user logs on. 0 (default): Don't start SNMP when the user logs on.	Don't select this option if users have SMART serial to USB adapter cables connected to computers running Windows 7, 64-bit operating systems. After a silent installation completes, these users are prompted to register SMART Product Drivers when they connect to hardware.
INSTALL_UNSIGNED_DRIVERS	1: Enable the registration of unsigned third-party drivers. 0 (default): Disable the registration of unsigned third-party drivers.	If you enable the registration of unsigned third-party drivers, the installation process could ask users if they trust the makers of the drivers during installation. This can cause issues if you deploy the installation in Silent mode. Therefore, it's best to disable the registration of third-party drivers if you deploy the installation in Silent mode.
SMART Ink properties		

WINDOWS INSTALLER PROPERTIES AND PARAMETERS

Property	Allowed values	Notes
LOSU_INK	1 (default): Start SMART Ink when the user logs on. 0: Don't start SMART Ink when the user logs on.	
START_SNMP_SERVICE	1: Start Simple Network Management Protocol (SNMP) when the user logs on. 0 (default): Don't start SNMP when the user logs on.	Don't select this option if users have SMART serial to USB adapter cables connected to computers running Windows 7, 64-bit operating systems. After a silent installation is completed, users are prompted to register SMART Product Drivers when they connect to hardware.
DEFAULT_PDF	1: Set SMART Ink Viewer as the default PDF viewer. 0 (default): Don't set SMART Ink Viewer as the default PDF viewer.	
Handwriting recognition resources properties Don't select more than 18 handwriting recognition resources if you're running an administrator installation with the SMARTEducationSoftware.msi file (see smarttech.com/kb/170081).		
AR	1: Install the Arabic handwriting recognition resource.	
ZH_CN	1: Install the Chinese (Simplified) handwriting recognition resource.	
ZH_TW	1: Install the Chinese (Traditional) handwriting recognition resource.	
CS	1: Install the Czech handwriting recognition resource.	
DA	1: Install the Danish handwriting recognition resource.	

WINDOWS INSTALLER PROPERTIES AND PARAMETERS

Property	Allowed values	Notes
NL	1: Install the Dutch handwriting recognition resource.	
EN_GB	1: Install the English (UK) handwriting recognition resource.	
ET	1: Install the Estonian handwriting recognition resource.	
FI	1: Install the Finnish handwriting recognition resource.	
FR	1: Install the French handwriting recognition resource.	
DE	1: Install the German handwriting recognition resource.	
EL	1: Install the Greek handwriting recognition resource.	
HE	1: Install the Hebrew handwriting recognition resource.	
HU	1: Install the Hungarian handwriting recognition resource.	
IT	1: Install the Italian handwriting recognition resource.	
JA	1: Install the Japanese handwriting recognition resource.	
KO	1: Install the Korean handwriting recognition resource.	
LT	1: Install the Lithuanian handwriting recognition resource.	

WINDOWS INSTALLER PROPERTIES AND PARAMETERS

Property	Allowed values	Notes
LV	1: Install the Latvian handwriting recognition resource.	
MS	1: Install the Malay handwriting recognition resource.	
NB	1: Install the Norwegian handwriting recognition resource.	
PL	1: Install the Polish handwriting recognition resource.	
PT_BR	1: Install the Portuguese (Brazil) handwriting recognition resource.	
RO	1: Install the Romanian handwriting recognition resource.	
RU	1: Install the Russian handwriting recognition resource.	
SK	1: Install the Slovak handwriting recognition resource.	
ES	1: Install the Spanish (Spain) handwriting recognition resource.	
SV	1: Install the Swedish handwriting recognition resource.	
TR	1: Install the Turkish handwriting recognition resource.	

Property	Allowed values	Notes
Internet access properties		
ACC	[Integer]: Enable Internet access for specified components. • 0: No components • 1: Gallery Setup • 2: Language Setup • 3: Gallery Setup and Language Setup • 13: All components except Language Setup • 14: All components except Gallery Setup • 15 (default): All components	

Parameters

The following are the standard Windows Installer parameters for the msixexec command.

Parameter	Use
/q	Hide the installation wizard.  NOTE This is Silent mode.
/qb	Show a basic installation wizard.
/qb!	Show a basic installation wizard without a Cancel button.
/qb+	Show a basic installation wizard with a dialog box signaling the end of the installation.
/qb+!	Show a basic installation wizard without a Cancel button but with a dialog box signaling the end of the installation.
/qr	Show a reduced installation wizard.
/qf	Show the full installation wizard, including a dialog box signaling the end of the installation or the <i>Fatal Error</i> , <i>User Exit</i> or <i>Exit</i> dialog box.
/qn	Hide the installation wizard and the dialog box signaling the end of the installation.

Parameter	Use
/qn+	Hide the installation wizard but show the dialog box signaling the end of the installation.

Examples

The following example installs SMART Notebook software and SMART Product Drivers in Silent mode:

```
msiexec /i "[Path]\SMARTEducationSoftware.msi" INSTALL_NOTEBOOK=1 INSTALL_
BOARD=1 /q
```

The following example installs SMART Response software in Silent mode, providing a product key and automatically activating the software upon completion of the installation:

```
msiexec /i "[Path]\SMARTEducationSoftware.msi" INSTALL_RESPONSE=1 RESP_PROD_KEY=
[25-character product key] ACTIVATE_LICENSE=1 /q
```

The following example installs SMART Notebook software in Silent mode, linking to centrally located Gallery content:

```
msiexec /i "[Path]\SMARTEducationSoftware.msi" INSTALL_NOTEBOOK=1 NETWORK_
CONTENT=1 CONTENT_TARGET_PATH="\\SchoolServer\Gallery" /q
```

The following example installs SMART Response software in CE mode in Silent mode:

```
msiexec /i "[Path]\SMARTEducationSoftware.msi" INSTALL_RESPONSE=1 RESPONSE_
MODE=2 /q
```



NOTE

When you install SMART Response, SMART Notebook is installed automatically because SMART Response is dependent on SMART Notebook.

Appendix B

Language files and codes

Installation language files and codes	69
Handwriting recognition resources	70

Installation language files and codes

Language	Code	File
English (U.S.)	1033	1033.mst
English (UK)	2057	2057.mst
Arabic	1025	1025.mst
Chinese (Simplified)	2052	2052.mst
Chinese (Traditional)	1028	1028.mst
Czech	1029	1029.mst
Danish	1030	1030.mst
Dutch	1043	1043.mst
Estonian	1061	1061.mst
Finnish	1035	1035.mst
French (France)	1036	1036.mst
German	1031	1031.mst
Greek	1032	1032.mst
Hebrew	1037	1037.mst
Hungarian	1038	1038.mst
Italian	1040	1040.mst
Japanese	1041	1041.mst
Latvian	1062	1062.mst
Lithuanian	1063	1063.mst

Language	Code	File
Norwegian	1044	1044.mst
Polish	1045	1045.mst
Portuguese (Brazil)	1046	1046.mst
Romanian	1048	1048.mst
Russian	1049	1049.mst
Spanish (Spain)	1034	1034.mst
Slovak	1051	1051.mst
Swedish	1053	1053.mst
Turkish	1055	1055.mst

Handwriting recognition resources

The Education Software Installer 15 and later language packs contain handwriting recognition resources only. Additional localization resources previously contained in language packs are included in the product installation files.

File	Code
arabic_handwriting.msi	{648C7144-1B6F-497B-9F1A-6DFE8773816E}
chinese_(simplified)_handwriting.msi	{CA05B824-9AA6-455B-8DF5-2453C865FAF3}
chinese_(traditional)_handwriting.msi	{74B9E115-5E23-4928-92E3-73B8631AA524}
czech_handwriting.msi	{65A75580-36A0-4490-8181-0967DD6C1464}
danish_handwriting.msi	{6218930D-3F77-4768-8C43-CD3FA4168914}
dutch_handwriting.msi	{B4D49CAE-EF29-4775-B0BA-0DFD6B2D69D9}
english_(united_kingdom)_handwriting.msi	{B5D5D9DC-3361-43D7-ADED-916CC6E90A03}
estonian_handwriting.msi	{87C03A3D-8B0B-424D-AE43-4ECD74C3CC8E}
finnish_handwriting.msi	{D2BFFB26-00CD-4CA3-932F-818A5C8C7CD8}
french_handwriting.msi	{EF73F0B8-7EBE-4D36-92FA-6BF638F52732}
german_handwriting.msi	{2B73B4A7-03E4-437F-9E7F-AE533A93D4A2}
greek_handwriting.msi	{5066774D-FF40-45EA-B797-F7F36DBC70B7}
hebrew_handwriting.msi	{3623E3DE-104A-4651-B8E3-9D2851636A2F}

APPENDIX B
LANGUAGE FILES AND CODES

File	Code
hungarian_handwriting.msi	{3AE061AF-B255-4052-9918-849AD4FE0C56}
italian_handwriting.msi	{AF09A64A-245A-458A-8290-421D611A21F5}
japanese_handwriting.msi	{3FB8FA79-CAF4-47CD-A599-D68F72D1CAD1}
korean_handwriting.msi	{C106402C-BC3E-4EA4-A3AE-6BDBCB785DC3}
latvian_handwriting.msi	{0EB8A795-CCF7-46CD-9E8A-1739A539A382}
lithuanian_handwriting.msi	{EE96CAF4-2439-4CD9-BFF7-DC3DFBC7781B}
malay_handwriting.msi	{33A07CFE-B356-45A7-B2E5-99F536CC84B9}
norwegian_handwriting.msi	{AE4A8476-F602-4FC0-A40D-336DC76DD7EE}
polish_handwriting.msi	{11725848-ECA6-4E79-874C-E59D1DA6A122}
portuguese_(brazil)_handwriting.msi	{3C2062D0-82F6-4CE3-ADAD-F993CBE2F4F5}
romanian_handwriting.msi	{84BCEABF-4624-447D-89D8-5D0B5F4DFFBC}
russian_handwriting.msi	{4CF5A60A-8E02-4376-A9F5-8C343D473FCD}
slovak_handwriting.msi	{5E6F10F3-9006-4F78-B231-18866B792E06}
spanish_handwriting.msi	{62F6F0A3-FB04-4FDF-ABB4-11F3A042EB8A}
swedish_handwriting.msi	{9B9B50A8-84A4-4547-A9E5-FA3868CDF78B}
turkish_handwriting.msi	{9D3E3459-395A-4514-8C67-064C123C77C4}

Appendix C

Installing and maintaining Gallery content

Installing Gallery content	74
Installing Gallery content on each computer through Microsoft SCCM	74
Preparing the package	74
Configuring Gallery content using the command line interface	75
Configuring Gallery content using SMART Install Manager	75
Installing Gallery content on each computer from a folder on your school's network	76
Downloading Gallery content	76
Configuring Gallery content using the command line interface	77
Configuring Gallery content using SMART Install Manager	77
Installing Gallery content in a central location	78
Downloading Gallery content	78
Configuring Gallery content using the command line interface	79
Configuring Gallery content using SMART Install Manager	80
Modifying Gallery content	80
Commands	82
Flags	82
Parameters	83
Language parameters	84
Downloading a Gallery collection	85
Downloading certain categories of a Gallery collection	85
Installing a Gallery collection	85
Installing certain categories of a Gallery collection	85
Registering installed Gallery collections	86
Removing a Gallery collection	86
Changing Gallery content locations	86
Starting the software in Administration mode	87
Changing the location of the My Content folder	87
Creating or connecting to Team Content folders	88
Connecting to an RSS feed	89

Gallery content includes the following:

- Gallery Essentials, which is a collection of educational photos and other images, audio files, and Adobe Flash Player compatible files.
- Lesson Activity Toolkit, which contains objects teachers can use to create their own lesson activities.

You can access Gallery content from the *Gallery* tab in SMART Notebook software.

Installing Gallery content

There are three options for installing Gallery content.

Option	Description
1	Install Gallery content on each user's computer through Microsoft SCCM.
2	Install Gallery content on each user's computer from a folder on your school's network.
3	Install Gallery content in a central location, and then configure the software to refer to that location.



TIP

Option 3 is ideal for environments where hard disk space on computers is limited.

Installing Gallery content on each computer through Microsoft SCCM

The Microsoft System Center Configuration Manager (SCCM) and other deployment technologies allow for bundling of software and files into a package which is deployed to each computer prior to installation. If you have a very large install base, such as an entire school or school district, attempting to download the gallery from a single network folder might fail due to the large number of computers attempting to access it. This section describes how to bundle the Gallery in the deployed package to alleviate the network traffic issue.

Preparing the package

The package should contain the installer, all necessary transforms and the gallery content in the following two folders:

- Gallery Essentials (formerly known as Essentials for Educators)
- Lesson Activity Toolkit

Configuring Gallery content using the command line interface

If you're customizing the software using the command line interface, include the **CONTENT_TARGET_PATH** property in the installation package customization. You can also include the **FULL_GALLERY** and ***_CONTENT** properties to define the Gallery content you want to install.



IMPORTANT

Do not set a value for **CONTENT_SOURCE_PATH**.

For more information on these properties, see *Appendix A: Windows Installer properties and parameters* on page 49.

Configuring Gallery content using SMART Install Manager

If you're customizing the software using SMART Install Manager, complete the procedure in this section to configure Gallery content.



IMPORTANT

Windows 10 no longer allows Guest connections to network resources on a different domain, and this can affect deployment of Gallery Essentials and Lesson Activity Toolkit (see smarttech.com/kb/17743).

To configure Gallery content using SMART Install Manager

1. Open the software installation package in SMART Install Manager.
2. Click **Product Selection**.
The *Product Selection* page appears.
3. Select **SMART Notebook** (and any other products you want to install).
4. Click **Gallery Content**.
The *Gallery Content* page appears.
5. Click **Install the Gallery on each computer**.
6. Click **Gallery files will be found in the same folder as the installer**.
7. Click **Download**, and then select the folder that contains your installer.
8. Select the Gallery collections you want to install.
9. Click **OK** to start the download.
10. Click **Close** when the download is complete.

11. Publish your changes as an MST file, and then deploy the MSI and MST files, and the two new folders found in the same folder as the installer.

Installing Gallery content on each computer from a folder on your school's network

Downloading Gallery content

Follow these procedures to download Gallery content from the DVD or the Internet to a folder on your school's network and then install the content on each computer from this folder.



TIP

When using Group Policy, Microsoft System Centre Configuration Manager (SCCM), and other similar methods make sure that the network share that's hosting the Gallery content has its permissions set to Everyone, and not just the Domain Users.



NOTE

Gallery Setup must be installed on your computer before you can download Gallery content from the DVD. Gallery Setup is included with SMART Install Manager, SMART Notebook software and SMART Notebook SE.

To download Gallery content from the DVD

1. Insert the DVD in your computer's DVD drive.
2. If the DVD browser appears, close it.
3. In Windows Explorer, browse to **[DVD drive]\Content\Gallery Essentials**.
4. Double-click **SMARTEssentials.gallerycollection**.

Gallery Setup starts.

5. In the *Content* tab, select the categories you want to include and clear the categories you don't want to include.
6. In the *Languages* tab, select the language packs you want to include and clear the language packs you don't want to include.



TIP

To see the language pack names in English, clear **Show native names**.

7. In the *Installation folder for Gallery content* box, type the path to the folder where you want to store the Gallery collection.
8. Click **OK**.

Gallery Setup installs the selected Gallery collection.
9. Click **Finish**.
10. Repeat steps 3 to 9 for the Lesson Activity Toolkit (*[DVD drive]\Content\Lesson Activity Toolkit\Lesson Activity Toolkit.gallerycollection*).

To download Gallery content from the Internet

1. Open the software installation package in SMART Install Manager.
2. Click **Product Selection**.

The *Product Selection* page appears.
3. Select **SMART Notebook**.
4. Click **Gallery Content**.

The *Gallery Content* page appears.
5. Click **Install the Gallery on each computer**.
6. Click **Download**, and then select the location to download the Gallery content to.
7. Click **OK** to start the download.
8. Click **Close** when the download is complete.

Configuring Gallery content using the command line interface

If you're customizing the software using the command line interface, include the `CONTENT_SOURCE_PATH` and `CONTENT_TARGET_PATH` properties in the installation package customization. You can also include the `FULL_GALLERY` and `*_CONTENT` properties to define the Gallery content you want to install. For more information on these properties, see *Appendix A: Windows Installer properties and parameters* on page 49.

Configuring Gallery content using SMART Install Manager

If you're customizing the software using SMART Install Manager, complete this procedure to configure Gallery content.

To configure Gallery content using SMART Install Manager

1. Open the software installation package in SMART Install Manager.
2. Click **Product Selection**.
The *Product Selection* page appears.
3. Select **SMART Notebook** (and any other products you want to install).
4. Click **Gallery Content**.
The *Gallery Content* page appears.
5. Click **Install the Gallery on each computer**.
6. In the *Source location* box, type the path to the folder on your school's network that contains the Gallery content (if you downloaded Gallery collections to your school's network).
7. In the *Destination location* box, type the path of the location on each computer where you want to install the Gallery collections (if you don't want to use the default folder).
8. Clear the selection of Gallery collections you don't want to install.
9. Publish your changes as an MST file, and then deploy the MSI and MST files.

Installing Gallery content in a central location

Downloading Gallery content

To place and use Gallery content in a central location on your school's network, you must first download the content from the DVD or the Internet to that location by performing one of the procedures in this section.



NOTE

To download Gallery content from the DVD, you must have Gallery Setup on your computer. Gallery Setup is included with SMART Install Manager, SMART Notebook software and SMART Notebook SE.

To download Gallery content from the DVD

1. Insert the DVD in your computer's DVD drive.
2. If the DVD browser appears, close it.
3. In Windows Explorer, browse to **[DVD drive]\Content\Gallery Essentials**.
4. Double-click **SMARTEssentials.gallerycollection**.

Gallery Setup starts.

5. In the *Content* tab, select the categories you want to include and clear the categories you don't want to include.
6. In the *Languages* tab, select the language packs you want to include and clear the language packs you don't want to include.

**TIP**

To see the language pack names in English, clear **Show native names**.

7. In the *Installation folder for Gallery content* box, type the path to the folder where you want to store the Gallery collection.
8. Click **OK**.
Gallery Setup installs the selected Gallery collection.
9. Click **Finish**.
10. Repeat steps 3 to 9 for the Lesson Activity Toolkit (*[DVD drive]\Content\Lesson Activity Toolkit\Lesson Activity Toolkit.gallerycollection*).

To download Gallery content from the Internet

1. Open the software installation package in SMART Install Manager.
2. Click **Product Selection**.
The *Product Selection* page appears.
3. Select **SMART Notebook**.
4. Click **Gallery Content**.
The *Gallery Content* page appears.
5. Click **Share Gallery content with all computers from a common network location**.
6. If you want to download the Gallery Essentials collection, click **Install** beside *Essentials for Educators*, and then follow the on-screen instructions.
7. If you want to download the Lesson Activity Toolkit collection, click **Install** beside *Lesson Activity Toolkit*, and then follow the on-screen instructions.

Configuring Gallery content using the command line interface

If you're customizing the software using the command line interface, include the NETWORK_CONTENT and CONTENT_TARGET_PATH properties in the installation package customization. For more information on these properties, see *Appendix A: Windows Installer properties and parameters* on page 49.

Configuring Gallery content using SMART Install Manager

If you're installing the software using SMART Install Manager, complete the procedure in this section to configure Gallery content.

To configure Gallery content using SMART Install Manager

1. Open the software installation package in SMART Install Manager.
2. Click **Product Selection**.
The *Product Selection* page appears.
3. Select **SMART Notebook** (and any other products you want to install).
4. Click **Gallery Content**.
The *Gallery Content* page appears.
5. Click **Share Gallery content with all computers from a common network location**.
6. In the *Gallery location* box, type the path to the folder on your school's network that contains the Gallery content.
7. Publish your changes as an MST file, and then deploy the MSI and MST files.

Modifying Gallery content

After installing the software, you can modify Gallery content using Gallery Setup. This program is available under **Programs folder\Common Files\SMART Technologies\Gallery** and you can run it from a graphical user interface or the command line.

To run Gallery Setup from a graphical user interface

1. In Windows Explorer, browse to **Programs folder\Common Files\SMART Technologies\Gallery**
2. Double-click **Gallery Setup.exe**.
The *Select a Gallery* dialog box appears.
3. Select the Gallery collection you want to modify, and then click **OK**.
Gallery Setup starts.
4. In the *Content* tab, select the categories you want to include and clear the categories you don't want to include.

5. In the Languages tab, select the language packs you want to include and clear the language packs you don't want to include.



TIP

To see the language pack names in English, clear **Show native names**.

6. In the *Installation folder for Gallery content* box, type the path to the folder where you want to store the Gallery collection.

7. Click **OK**.

Gallery Setup updates the selected Gallery collection.

8. Click **Finish**.

To run Gallery Setup from the command line

1. Open a Command Prompt window.
2. Type the following command:

```
"[Path]\Gallery Setup.exe" [Command] [Flags] [Parameters]
```

Where:

- *[Path]* is the path to the **Gallery Setup.exe** file.



NOTE

The default path is **Programs folder\Common Files\SMART Technologies\Gallery**.

- *[Command]* is a command (see *Commands* on the next page).
- *[Flags]* is one or more optional flags for the command (see *Flags* on the next page).
- *[Parameters]* is one or more parameters for the command (see *Parameters* on page 83).



NOTES

- For example commands, see the Commands table below.
- Gallery Setup doesn't support Windows Installer options.

3. Press ENTER.

Gallery Setup updates the selected Gallery collection.

Commands

The following table defines available commands for Gallery Setup.

Command	Purpose	Notes
--downloadall	Download the entire Gallery collection to a source folder.	
--downloadsomed	Download specific categories of the Gallery collection to a source folder.	Specify which categories you want to download using the --c parameter.
--installall	Install the entire Gallery collection from the source folder to the destination folder.	If you omit the --source parameter, Gallery Setup doesn't use a default path unless you provide the --allowdownload flag. If you omit the --destination parameter, Gallery Setup uses the default path defined in the Gallery collection's configuration.
--installsome	Install specific categories of the Gallery collection from the source folder to the destination folder.	If you omit the --source parameter, Gallery Setup doesn't use a default path unless you provide the --allowdownload flag. If you omit the --destination parameter, Gallery Setup uses the default path defined in the Gallery collection's configuration. Specify which categories you want to download using the --c parameter.
--teamcontent	Register additional Team Content at the folder specified by the --destination parameter.	You must enter an existing Gallery destination.
--mycontent	Set the default My Content path to the folder specified by the --destination parameter.	
--repair	Attempt to detect and optionally remove corrupted galleries.	Include the --allowcleanup parameter to delete corrupted galleries.
--uninstall	Remove the installed Gallery collection.	
--register	Define the location of Gallery content.	Use this command with the --destination and --configuration parameters, or with the --guid parameter.

Flags

The following table defines available flags for Gallery Setup.

Flag	Purpose	Notes
--remote	Prevent Gallery Setup from registering itself with the SMART software.	This disables the <i>Check for Updates</i> feature and prevents users from updating the content.

APPENDIX C
INSTALLING AND MAINTAINING GALLERY CONTENT

Flag	Purpose	Notes
--verbose	Output progress of operations to standard output when working in command line mode.	
--overrideproxy	Set Gallery Setup to ignore default (system-wide or previously set) proxy settings where applicable, and use a proxy specified by the --proxy parameter (server:port format), using a user name and password provided by the --username and --password parameters.	You can set a user name and password without --overrideproxy , and still use it for authentication with the default proxy.
--allowdownload	Download the Gallery collection from the default URL specified in the configuration.	Use this flag with the --installall or --installsome parameters when you omit the --source parameter.
--forcedest	Share Gallery content across users.	

Parameters

The following table defines available parameters for Gallery Setup.

Parameter	Value	Purpose	Notes
--source	<i>[Path]</i>	Define the path to a local or network folder where the Gallery content is stored before installation.	If you omit this parameter, the installation program uses the default URL from the Gallery configuration, as specified by the --guid or --configuration parameters.
--destination	<i>[Path]</i>	Define the path to a local or network folder where Gallery Setup installs the Gallery content.	If you omit this parameter, Gallery Setup uses this default path found in the computer's registry.
--configuration	<i>[Path]</i>	Define the full path to a .gallerycollection file, including the file name.	If you omit this parameter, you must provide the --guid parameter to specify a known Gallery collection.
--proxy	<i>[Server:Port]</i>	Specifies the proxy used by Gallery Setup when you include the --overrideproxy flag.	
--guid	<i>[Identifier]</i>	Specify a known Gallery collection to work with.	A Gallery collection is known if Gallery Setup has already opened its .gallerycollection file. In this situation, use this parameter instead of the --configuration parameter.

APPENDIX C
INSTALLING AND MAINTAINING GALLERY CONTENT

Parameter	Value	Purpose	Notes
--c	[Alias]	Download or install the category of the Gallery collection identified by [Alias]. Use this parameter with the --downloadsome and --installsome commands.	You can include several --c parameters in a single command. Valid [Alias] values for the Gallery Essentials collection are: • admin • arts • english • geography • history • math • people • science • special • sports
--ui	N/A	Specify the user interface level. Use this parameter to show a progress indicator and error messages. If you don't include this parameter, Gallery Setup works silently without a user interface.	Use --register with the --downloadall or --downloadsome parameters to display the full user interface. Use --register with the --installall or --installsome parameters to display a minimal user interface.

Language parameters

The following table defines available language parameters for Gallery Setup.

Parameter	Value	Purpose
--1	[ar]	Installs Gallery in Arabic.
--1	[cs]	Installs Gallery in Czech.
--1	[da]	Installs Gallery in Danish.
--1	[de]	Installs Gallery in German.
--1	[el]	Installs Gallery in Greek.
--1	[en_gb]	Installs Gallery in English U.K.
--1	[en_us]	Installs Gallery in English U.S.
--1	[es]	Installs Gallery in Spanish.
--1	[fi]	Installs Gallery in Finnish.
--1	[fr]	Installs Gallery in French.
--1	[he]	Installs Gallery in Hebrew.
--1	[hu]	Installs Gallery in Hungarian.
--1	[it]	Installs Gallery in Italian.
--1	[ja]	Installs Gallery in Japanese.

Parameter	Value	Purpose
--1	[ko]	Installs Gallery in Korean.
--1	[nb]	Installs Gallery in Norwegian.
--1	[nl]	Installs Gallery in Dutch.
--1	[pl]	Installs Gallery in Polish.
--1	[pt_br]	Installs Gallery in Portuguese Brazil.
--1	[ro]	Installs Gallery in Romanian.
--1	[ru]	Installs Gallery in Russian.
--1	[sv]	Installs Gallery in Swedish.
--1	[tr]	Installs Gallery in Turkish.
--1	[zh_cn]	Installs Gallery in Chinese-Simplified.
--1	[zh_tw]	Installs Gallery in Chinese-Traditional.

Downloading a Gallery collection

Use the following command to copy a Gallery collection from a specific source folder to a common destination folder:

```
"[Path]\Gallery Setup.exe" --downloadall --destination "[Path]"  
--configuration "[Path]"
```

Downloading certain categories of a Gallery collection

Use the following command to copy only certain categories of a Gallery collection from a specific source folder to a common destination folder:

```
"[Path]\Gallery Setup.exe" --downloadsomesome --destination "[Path]"  
--configuration "[Path]" --c "[Alias 1]" --c "[Alias 2]"
```

Installing a Gallery collection

Use the following command to install a Gallery collection from the default source (as defined in the .gallerycollection file) to a specific destination folder:

```
"[Path]\Gallery Setup.exe" --installall --allowdownload --destination "[Path]" -  
-configuration "[Path]"
```

Installing certain categories of a Gallery collection

Use the following command to install certain categories of a Gallery collection from the default source (as defined in the .gallerycollection file) to a specific destination folder:

```
"[Path]\Gallery Setup.exe" --installsome --remote --source "[Path]"  
--allowdownload --destination "[Path]" --configuration "[Path]"  
--c "[Alias 1]" --c "[Alias 2]"
```

Registering installed Gallery collections

If you installed Gallery collections to a network location, use the following command to register the Gallery content with the SMART software on each user's computer:

```
"[Path]\Gallery Setup.exe" --register --remote --forcedest  
--destination "[Path]" --configuration "[Path]"
```

Removing a Gallery collection

Use the following command to remove the Gallery Essentials collection:

```
"[Path]\Gallery Setup.exe" --uninstall --guid gallery.smarttech.com
```



TIP

To automate the removal of a Gallery collection, you can use the command in a batch file as a startup script.

Changing Gallery content locations

After installing the software, you can do the following:

- Change the location of the **My Content** folder.
- Create or connect to a **Team Content** folder.
- Connect to an RSS feed.

Starting the software in Administration mode

Before you can maintain content folders, you must start the software in Administration mode.

To start SMART Notebook software in Administration mode

1. Open a Command Prompt window.
2. Type the following command:

```
"[Path]\Notebook.exe" /admin
```

Where *[Path]* is the path to the SMART Notebook software program folder.



NOTE

The default path is *[Programs folder]\SMART Technologies\Education Software*.

3. Press ENTER.

SMART Notebook software starts in Administration mode.

Changing the location of the My Content folder

The **My Content** folder is a location where teachers and students can store content for their individual use.

You can specify the location of the **My Content** folder during installation or afterward.

To change the location of the My Content folder after installation

1. Start the software in Administration mode (see *Starting the software in Administration mode* above).
2. Click the **Gallery** tab.
3. Click the **Click here for more Gallery options** icon , and then select **Administration: Content Locations**.

The *Administration: Content Locations* dialog box appears.

4. Click **Browse**.

The *Browse For Folder* dialog box appears.

5. Browse to and select the new **My Content** folder, and then click **OK**.
6. Click **Close**.
7. Close the software.

Creating or connecting to Team Content folders

All users can create new content and save it in their **My Content** folders. To allow users to share content, you must create or connect to a **Team Content** folder.



TIP

If you create a **Team Content** folder on a computer's hard disk, the folder is available only to users of that computer. However, if you create a **Team Content** folder on a server, the folder is available to all users on the school's network with read and write access to the folder.

To create a new Team Content folder

1. Start the software in Administration mode (see *Starting the software in Administration mode* on the previous page).
2. Click the **Gallery** tab.
3. Click the **Click here for more Gallery options** icon , and then select **Administration: Content Locations**.

The *Administration: Content Locations* dialog box appears.

4. Click **Create New**.

The *Browse For Folder* dialog box appears.

5. Browse to and select the folder you want to designate as a **Team Content** folder, and then click **OK**.



NOTE

The software adds an **imsmanifest.xml** file to the **Team Content** folder after you click **OK**. This file identifies the folder as a **Team Content** folder.

6. Click **Close**.
7. Close the software.

To connect to an existing Team Content folder

1. Start the software in Administration mode (see *Starting the software in Administration mode* on page 87).
2. Click the **Gallery** tab.
3. Click the **Click here for more Gallery options** icon , and then select **Administration: Content Locations**.

The *Administration: Content Locations* dialog box appears.

4. Click **Add Existing**.
The *Browse For Folder* dialog box appears.
5. Browse to and select the **Team Content** folder, and then click **OK**.
6. Click **Close**.
7. Close the software.

To disconnect a Team Content folder

1. Start the software in Administration mode (see *Starting the software in Administration mode* on page 87).
2. Click the **Gallery** tab.
3. Click the **Click here for more Gallery options** icon , and then select **Administration: Content Locations**.

The *Administration: Content Locations* dialog box appears.

4. Select the folder in the *Team Content* list, and then click **Remove**.



IMPORTANT

If you installed the Gallery Essentials and Lesson Activity Toolkit collections, folders for those collections appear in the *Team Content* list. Do not remove these folders from the list, or users will not be able to access these collections.

5. Click **Close**.
6. Close the software.

Connecting to an RSS feed

You can connect to a public or private RSS feed to send information to your school's SMART Notebook software and SMART Notebook SE users through the *Gallery* tab.

RSS is a format for delivering regularly changing web content. Many news-related websites, blogs and other publishers broadcast their content as RSS feeds.

To connect to an RSS feed

1. Start the software in Administration mode (see *Starting the software in Administration mode* on page 87).
2. Click the **Gallery** tab.
3. Click the **Click here for more Gallery options** icon , and then select **Administration: Content Locations**.

The *Administration: Content Locations* dialog box appears.

4. Type the URL of the RSS feed in the *Online Resources* box.
5. Click **Close**.
6. Close the software.

Appendix D

Removing previous versions of SMART Board software

Removing SMART Board software 9.x	91
Removing SMART Board software 8.x	92
Cleaning the registry	93

If you have version 9.0 or earlier of SMART Board software on your computers, SMART remove it before installing new software.

Removing SMART Board software 9.x

You or your predecessor installed SMART Board software 9.x using the Windows Installer 3.1 installation utility.

You can remove SMART Board software 9.x using the installation package (if you still have it) or the product code.

To remove SMART Board software 9.x

Run the following command to remove the software using the installation package:

```
msiexec /x "[Path]\SMART Board Software.msi" [Parameter]
```

Where

- *[Path]* is the path to the **SMART Board Software.msi** file.
- *[Parameter]* is the installation parameter (see *Parameters* on page 67).

OR

Run the following command to remove the software using the product code:

```
msiexec /x [Product code] [Parameter]
```

Where

- *[Product code]* is the product code for the version of SMART Notebook software you're removing, including the braces ("{" and "}").

Version	Product code
9.0.1.57	{D2EC1505-9F11-4A94-9644-DCD0299DE491}
9.1.0.40	{BD6516BA-2314-4F2C-9ECD-29BCB1074AFB}
9.1.3.47	{8D757887-9CD3-4F97-9873-E049E1C264CE}
9.1.4.51	{EE2A5345-CBE2-4932-83B0-D628D0D24AF8}
9.5.x.x	{B72EB184-2A42-4B3C-8F8F-D7EF163829B4}
9.7.x.x	{46486451-E60F-42C3-92D7-796D8594688A}

- *[Parameter]* is the installation parameter (see *Parameters* on page 67).

Removing SMART Board software 8.x

You or your predecessor installed SMART Board software 8.x using the InstallShield® installation utility.

You can remove SMART Board software 8.x by creating a **setup.iss** file and then using the file to remove the software from all computers.



NOTE

You need to create the **setup.iss** file only once. You can then use the file to remove the same version of SMART Board software from other computers on your network using a batch file or startup script.

Before completing the following procedures, determine the product code for the version of SMART Board software installed on the computers.

Version	Product code
8.0.0.52	{7823065C-AA64-425D-A9A3-18BF7B99E944}
8.0.1	{F414173A-7BE1-46C6-811A-51277A4D9E7B}
8.1.0	{155FBC4E-CF09-4698-961B-DF9787E6B8B8}

Version	Product code
8.1.1.24	{7AD771BB-B681-4659-B7FA-223FCB1FDF56}
8.1.2.8	{55C574CA-8D71-46F1-9897-98DAE55C0394}
8.1.3.17	{10D2A154-D221-4455-8426-E67D12C092F9}
8.1.4.19	{41CEFD25-0D33-44EA-A19C-5A1EBABFC041}

The product code includes the braces (“{” and “}”).

To create the setup.iss file

1. Run the following command:

```
"C:\Program Files\Common Files\InstallShield\Driver\8\Intel 32\
IDriver.exe" /MPProductCode /l1033 /r/z-AddRemove --RemoveReg
```

The InstallShield installation utility removes SMART Board software and creates a **setup.iss** file in the root Windows folder.

2. Move the **setup.iss** file to a location where all computers can access it.

To remove SMART Board software 8.x

Run the following command:

```
"C:\Program Files\Common Files\InstallShield\Driver\8\Intel 32\
IDriver.exe" /MPProductCode /l1033 /s /z-AddRemove -RemoveReg /f1"[Path to
the setup.iss file]\setup.iss"/f2"[Path to the uninst.log file]
\uninst.log"
```

Where

- *[Path to the setup.iss file]* is the path to the **setup.iss** file you created in the previous procedure.
- *[Path to the uninst.log file]* is the path to the log file that the InstallShield installation utility creates when it removes the software.

Cleaning the registry

When you remove a previous version of SMART Notebook software, the removal process can leave behind registry entries, preventing you from installing the latest version of the software.

**CAUTION**

Use caution when you open the Windows registry editor. If you incorrectly modify the Windows registry, you can damage your computer's operating system. Back up your registry before performing the following procedures.

If you're still having difficulties with remaining registry files, ensure that you have administrator rights and manually search the registry for SMART Notebook software, SMART Board software or SMART Product Drivers files.

**CAUTION**

Do not remove files for other SMART products you want to retain. If you are unsure, contact SMART Support (smarttech.com/contactsupport).

 To manually clean the registry

1. Press START+R.

The *Run* dialog box appears.

2. Type **regedit**, and click **OK**.

The *Registry Editor* window appears.

3. Locate SMART files in the following locations, and then delete them:

- **HKEY_CURRENT_USER\Software\SMART Technologies Inc.**
- **HKEY_LOCAL_MACHINE\Software\SMART Technologies Inc.**
- **HKEY_CURRENT_USER\Software\SMART Technologies**
- **HKEY_LOCAL_MACHINE\Software\SMART Technologies**

4. Close the *Registry Editor* window.

5. Restart your computer.

Index

A

- activation, 15, 28, 50
- ActiveX, 3, 5, 25
- administration content, 57, 84
- Administration mode, 87
- Adobe Flash Player, 3, 5, 25
- Arabic, 64, 69-70
- arts content, 57, 84

C

- certificate file, 62
- Chinese, 64, 69-70
- command line interface, 24
- computer imaging, 28
- computer requirements, 2
- culture content, 57, 84
- Customer Experience Program, 17, 54
- Czech, 64, 69-70

D

- Danish, 64, 69-70
- database, 20
- desktop icons, 53
- Diffie-Hellman encryption, 62
- DirectX, 2
- document camera, See SMART Document Camera
- drivers
 - Print Capture, See Print Capture Driver
 - SMART Document Camera, 18, 58
 - unsigned, 63
- Dutch, 65, 69-70

E

- education standards database, 20
- encryption, 20, 62
- English, 65, 69-70
- English content, 57, 84
- Estonian, 65, 69-70
- evaluation content, 57, 84
- examples
 - Windows Installer command lines, 68

F

- Finnish, 65, 69-70
- Flash, See Adobe Flash Player
- French, 65, 69-70

G

- Gallery content
 - changing location of, 86
 - installing, 74
 - modifying, 80
- Gallery Essentials, 74
- geography content, 57, 84
- German, 65, 69-70
- Greek, 65, 69-70

H

- hard disk space, 2
- Hebrew, 65, 69-70
- history content, 57, 84
- Hungarian, 65, 69, 71

I

imaging, 28
 Install Manager, See SMART Install
 Manager
 Internet access, 67
 Italian, 65, 69, 71

J

Japanese, 65, 69, 71

K

Korean, 65, 71

L

language arts content, 57, 84
 language files, 69
 language setup, 49
 Latvian, 66, 69, 71
 Lesson Activity Toolkit, 74
 Lesson Activity Toolkit collection, 57
 Lithuanian, 65, 69, 71

M

Malay, 66, 71
 Math Tools, See SMART Notebook Math
 Tools
 mathematics content, 57, 84
 Microsoft .NET framework, 5, 24
 Microsoft Visual Studio Tools for Office, 5, 25
 MSI files, 37
 MSP files, 38
 MST files, 13, 49, 69
 My Content folder, 17, 58, 87

N

Norwegian, 66, 70-71
 notification area, 62

P

parameters, 67
 people and culture content, 57, 84
 Polish, 66, 70-71
 Portuguese, 66, 70-71
 prerequisites
 computer, 2
 knowledge, 1
 Print Capture Driver, 17, 58
 product key, 13, 51
 protection software, 28

R

RAM, 2
 recreation content, 57, 84
 renewable activations, 31
 requirements, 2
 Romanian, 66, 70-71
 Russian, 66, 70-71

S

science content, 57, 84
 serial number, See product key
 service ports, 20
 shortcuts, 53
 Silent mode, 67
 Slovak, 66, 70-71
 SMART Document Camera, 18, 58, 63
 SMART Ink, 13, 51, 64
 SMART Install Manager
 about, 9
 downloading, 9
 installation file types, 10

installing, 9

SMART Notebook, 13, 51

SMART Notebook Math Tools, 14, 51

SMART Notebook SE, 19, 61

SMART Product Drivers, 13, 50

SMART Product Update, 16, 53

SMART Response, 14, 51, 61

SMART Response CE, 19, 61

SMART Response LE, 18, 61

SMART Response PE, 18, 61

SMART Response VE, 19

SMART Response XE, 19, 61

SMART Tools, 51

SNMP, 20

Spanish, 66, 70-71

special needs content, 57, 84

sports content, 57, 84

SSL digital certificates, 20

startup, 51, 62, 64

Swedish, 66, 70-71

system recovery software, 28

T

Tablet PC support, 63

Team Content folders, 58, 88

technology content, 57, 84

third-party applications, 27

Turkish, 66, 70-71

tutorial file, 18, 59

U

unsigned drivers, 63

updates, 37

W

Windows 10 operating system, 2

Windows 7 operating system, 2, 20, 63

Windows 8 operating system, 2

Windows 8.1 operating system, 2

Windows operating systems, 2

X

XML, 11-12

XML files, 11

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