SMART Product Drivers 12 and SMART Ink 5

BASIC INSTALLATION AND ADMINISTRATION GUIDE

FOR WINDOWS OPERATING SYSTEMS

SMART®

smarttech.com/kb/170806

Contents

Getting started

This guide explains how to customize and deploy the stand-alone version of SMART Product Drivers and SMART Ink®.

✎ NOTE

For information on customizing and deploying SMART software using the SMART Learning Suite Installer, see the *SLS 17 system administrator's guide for Windows® operating systems* (smarttech.com/kb/171152).

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 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 your computers meet the minimum requirements:

Supported operating systems	Windows 10 Windows 8.1 Windows 7 SP1 (with Security update KB3033929)
Minimum processor	Intel® Core™ 2 Duo
Minimum RAM	2 GB (4 GB for UHD displays)
Minimum hard disk space	3 GB
Other requirements	Microsoft® .NET Framework 4.5.1 for SMART Ink Microsoft Visual Studio® Tools for Office

Performing a basic software installation

You can download and install SMART Product Drivers 12 and SMART Ink 5 following the below
instructions.

> ✏️ **NOTE**
>
> IT administrators can customize the software with SMART Install Manager, and then deploy the
> software over a network. See *Chapter 2: Customizing the software* on page 5 and *Chapter 3:
> Deploying the software* on page 13 for further information.

Downloading the installer

You can download the installer from the SMART website.

▶ **To download the installer from the website**

1. Go to smarttech.com/software.

2. Click **Choose a version** under *SMART Product Drivers and Ink*, and then select the latest
   version of the software for your operating system.

3. Click **Download**.

   The *Save As* window opens.

4. Save the file to a temporary location on your computer.

Installing the software

▶ **To install the software using a standard installation**

1. Double-click the **smart_product_drivers.exe** file you downloaded in the previous procedure.

   The *SMART Product Drivers Installation* wizard appears.

2. For a standard installation, click the software license agreement *terms of use* link and read the software **license agreement**.

   If you accept the terms of the software license agreement, select the *I have read and agree to the legally binding license agreement* check box.

   (If you don't accept the terms in the software license agreement, click **Cancel**. The installation will be canceled.)

3. Click **Next**.

   The standard installation will begin and no other dialogs will appear until the end of the installation.

4. Click **Finish** when installation is complete.

To install the software using a customized installation

1. Double-click the **smart_product_drivers.exe** file you downloaded in the previous procedure.

   The *SMART Product Drivers Installation* wizard appears.

2. Click the software license agreement *terms of use* link and read the software **license agreement**.

3. If you accept the terms of the software license agreement, select the *I have read and agree to the legally binding license agreement*.

   (If you don't accept the terms in the software license agreement, click **Cancel**. The installation will be canceled.)

4. Click **Customize**, then click **Next**.

   The *Program Installation Location* dialog opens. Use the default location or click **Change** to change the installation to a different location.

5. Click **Next**.

   The *Product Selection* dialog opens. Select the SMART products you wish to install.

6. Click **Next**.

   The *Options and Notes* dialog opens.

   Select the *SMART System Menu at logon* check box if required.

7. Click **Next**.

8. The *Select Languages* dialog opens.

   Move the languages you want to install from the *Available languages* list to the *Selected languages* list.

9. Click **Next**.

   The *Ready to Install the Program* dialog opens.

10. Click **Next**.

    The installation will begin.

11. Click **Finish** when installation is complete.

    ### 💡 TIP

    To view the languages' native names (for example, "Deutsch" for German), select **Show native names**.

    ### ✎ NOTE

    If a language's name is in bold text, the installer must download the language's file from the SMART website.

    ### ✎ NOTE

    Depending on the version of Microsoft .NET Framework installed on your computer and the software you selected in step 2, you might need to restart your computer midway through the installation.

Customizing the software

Use SMART Install Manager to customize the software.

Using SMART Install Manager

Using SMART Install Manager, you can customize SMART software complete installers by publishing XML files. You can then deploy the SMART software to computers.

▶ **To download and install SMART Install Manager**

1. Go to http://downloads01.smarttech.com/software/installmanager/win/2.0.27.0/smart_install_manager.exe.

2. Save the EXE file to your computer.

3. Double-click the EXE file.

   The SMART Install Manager installation wizard appears.

4. Follow the on-screen instructions.

▶ **To customize SMART Product Drivers 12 and SMART Ink 5 using SMART Install Manager**

1. Start SMART Install Manager.

2. Drag the complete installer or the installation package to the *SMART Install Manager* window.

3. Set the controls on each page (see *SMART Install Manager controls* on the next page).

4. Select **File** > **Publish**.

   The *Save file* dialog box appears.

5. Browse to the location where you extracted the complete installer.

6. Type a name for the XML file (for the complete installer) in the *File name* box, and then press **Save**.

7. Close SMART Install Manager.

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 8.1 or 10 operating system).

Use SMART Install Manager with the complete installer.

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.

Using SMART Install Manager with the complete installer

Opening a complete installer file	To customize the complete installer, drag the file into the SMART Install Manager window. 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.
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.

SMART Install Manager controls

Control	Procedure	Notes
General Options: Product Selection		
SMART Product Drivers	Select to install SMART Product Drivers.	[N/A]

Control	Procedure	Notes
SMART Ink	Select to install SMART Ink.	[N/A]
General Options: Installation Options		
Installation directory	Type the path to your preferred folder where program installation files are stored.	If you specify a path, selected programs are installed in sub-directories of this location.
		If you specify a path, include a back slash (\) at the end of the path.
		If you don't specify a path, Windows Installer installs the software in sub-directories of the default folder:
		32-bit systems: **C:\Program Files\SMART Technologies\SMART Product Drivers** 64-bit systems: **C:\Program Files (x86)\SMART Technologies\SMART Product Drivers**
		✏ **NOTE** Ensure the path is valid. SMART Install Manager doesn't verify the path.
Install desktop shortcuts	Select to create shortcuts on the desktop.	In Windows 7 operating system, this option creates shortcuts on the desktop.
		In 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.	[N/A]

Control	Procedure	Notes
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 and 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 the installed versions of SMART software and their product keys but can't download and install software.
Do not install SMART Product Update	Select to not install SPU.	[N/A]
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.	This option is available only if you install SPU in Full mode.
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 enable the Customer Experience Program for all users.	[N/A]
Disable the Customer Experience Program on all devices	Select to disable the Customer Experience Program for all users.	[N/A]
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 is applicable for Windows 7 operating system only. It has no effect on other operating systems.

Control	Procedure	Notes
Start SMART System Menu at logon	Select to start the SMART System Menu when the user logs on.	[N/A]
Start Simple Network Management Protocol (SNMP) agent	Start Simple Network Management Protocol (SNMP) agent	[N/A]
SMART Ink: Optional Settings		
Start SMART Ink at logon	Select to start SMART Ink when the user logs on.	[N/A]

Windows Installer properties

Property	Allowed values	Notes
General properties		
INSTALL_BOARD	1: Install SMART Product Drivers.	[N/A]
INSTALL_INK	1: Install SMART Ink	[N/A]
General Installations Options properties		
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	[N/A]
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.
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 and their product keys, and download and install updates. In Dashboard mode, users can view the installed versions of SMART software and their product keys but can't download and install software.
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.	[N/A]
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 is applicable for Windows 7 operating system only. It has no effect on other operating systems. If you specify 0, users don't have touch support at the Windows logon screen.
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.	[N/A]
START_SNMP_ SERVICE	1: Start Simple Network Management Protool (SNMP) when the user logs. 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 system. After a silent installation is completed, users are prompted to register SMART Product Drivers when they connect to hardware.
INSTALL_UNSIGNED_ DRIVERS	1: Enable the registration of SMART Document Camera™ and unsigned third-party drivers. 0 (default): Disable the registration of SMART Document Camera and 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		
LOSU_INK	1 (default): Start SMART Ink when the user logs on. 0: Don't start SMART Ink when the user logs on.	[N/A]
Handwriting recognition resources properties		
AR	1: Install the Arabic handwriting recognition resource.	[N/A]

Property	Allowed values	Notes
ZH_CN	1: Install the Chinese (Simplified) handwriting recognition resource.	[N/A]
ZH_TW	1: Install the Chinese (Traditional) handwriting recognition resource.	[N/A]
CS	1: Install the Czech handwriting recognition resource.	[N/A]
DA	1: Install the Danish handwriting recognition resource.	[N/A]
NL	1: Install the Dutch handwriting recognition resource.	[N/A]
EN_GB	1: Install the English (UK) handwriting recognition resource.	[N/A]
ET	1: Install the Estonian handwriting recognition resource.	[N/A]
FI	1: Install the Finnish handwriting recognition resource.	[N/A]
FR	1: Install the French handwriting recognition resource.	[N/A]
DE	1: Install the German handwriting recognition resource.	[N/A]
EL	1: Install the Greek handwriting recognition resource.	[N/A]
HE	1: Install the Hebrew handwriting recognition resource.	[N/A]
HU	1: Install the Hungarian handwriting recognition resource.	[N/A]
IT	1: Install the Italian handwriting recognition resource.	[N/A]
JA	1: Install the Japanese handwriting recognition resource.	[N/A]
KO	1: Install the Korean handwriting recognition resource.	[N/A]
LT	1: Install the Lithuanian handwriting recognition resource.	[N/A]
LV	1: Install the Latvian handwriting recognition resource.	[N/A]
MS	1: Install the Malay handwriting recognition resource.	[N/A]
NB	1: Install the Norwegian handwriting recognition resource.	[N/A]
PL	1: Install the Polish handwriting recognition resource.	[N/A]

Property	Allowed values	Notes
PT_BR	1: Install the Portuguese (Brazil) handwriting recognition resource.	[N/A]
RO	1: Install the Romanian handwriting recognition resource.	[N/A]
RU	1: Install the Russian handwriting recognition resource.	[N/A]
SK	1: Install the Slovak handwriting recognition resource.	[N/A]
ES	1: Install the Spanish (Spain) handwriting recognition resource.	[N/A]
SV	1: Install the Swedish handwriting recognition resource.	[N/A]
TR	1: Install the Turkish handwriting recognition resource.	[N/A]
UK	1: Install the Ukrainian handwriting recognition resource.	[N/A]

Chapter 3

Deploying the software

You can deploy SMART Product Drivers 12 and SMART Ink 5 using the command line interface. You can specify options by using an XML file you created with SMART Install Manager or by including the appropriate Windows Installer properties in the command line.

> ☞ **IMPORTANT**
>
> 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.

Using the command line interface

Using the command line interface, you can deploy installation packages in many ways, including running commands from the Command Prompt window and including commands in batch script files.

▶ **To deploy SMART software using the command line interface**

Run the following command if you created an XML file with SMART Install Manager to customize the installer:

```
"[Path]\smart_product_drivers.exe" --adminfile [XML file] [Parameter]
```

OR

Run the following command if you didn't create an XML file with SMART Install Manager to customize the installer:

```
"[Path]\smart_product_drivers.exe" [Properties] [Parameter]
```

Where

- *[Path]* is the path to the **smart_product_drivers.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.

- *[Parameter]* is the installation parameter (see *Windows Installer parameters* below).

Windows Installer parameters

The following are the standard Windows Installer parameters for the msiexec 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.
/qr	Show a reduced installation wizard.
/qf	Show the full installation wizard, including a dialog box signaling the end of the installation or the *Fatal Error*, *User Exit* or *Exit* dialog box.
/qn	Hide the installation wizard and the dialog box signaling the end of the installation.

Examples

The following example installs SMART Product Drivers and SMART Ink in Silent mode with all options set to their default values:

```
"[Path]\smart_product_drivers.exe" /q
```

The following example installs SMART Product Drivers and SMART Ink in Silent mode with options specified by the XML file you created with SMART Install Manager:

```
"[Path]\smart_product_drivers.exe" /q --adminfile [XML FILE]
```

The following example installs SMART Product Drivers in Silent mode:

```
"[Path]\smart_product_drivers.exe" /q INSTALL_BOARD=1 INSTALL_INK=0
```

The following example installs SMART Product Drivers and SMART Ink in Silent mode with SMART Ink not starting on startup:

```
"[Path]\smart_product_drivers.exe" /q LOSU_INK=0
```

Uninstalling the software

After installing SMART Product Drivers 12 and SMART Ink 5, you can use SMART Uninstaller to uninstall the software.

Using the SMART Uninstaller user interface

You can uninstall SMART Product Drivers 12 and SMART Ink 5 from individual computers using the SMART Uninstaller user interface.

▶ **To uninstall SMART Product Drivers 12 and SMART Ink 5 using the SMART Uninstaller user interface**

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

   OR

   In Windows 8.1 operating system, go to the *Apps* screen and then scroll to and select **SMART Technologies** > **SMART Uninstaller**.

   OR

   In Windows 10 operating system, select **Start** > **All apps**, and then scroll to and select **SMART Technologies** > **SMART Uninstaller**.

2. Press **Next**.

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

> ✎ **NOTES**
>
> ○ Some SMART software is dependent on other SMART software. If you select this software, SMART Uninstaller automatically selects the software on which it depends.
>
> ○ SMART Uninstaller automatically uninstalls any supporting packages that are no longer being used.
>
> ○ If you choose to uninstall all SMART software, SMART Uninstaller automatically uninstalls all supporting packages, including itself.

> 💡 **TIPS**
>
> ○ To select all software and supporting packages, press **Select All**.
>
> ○ To clear the selection of all software and supporting packages, press **Clear All**.

4. Press **Uninstall**.

   SMART Uninstaller uninstalls the selected software and supporting packages.

5. Press **Finish**.

Using the SMART Uninstaller command line interface

In addition to the user interface, SMART Uninstaller provides a command-line interface. You can use this interface to automate the removal of all or some of the SMART products and uninstall SMART Product Drivers 12 and SMART Ink 5 remotely.

> ✎ **NOTE**
>
> SMART recommends that you copy SMART Uninstaller to a temporary location before running command lines and prefix command lines with **start /wait**.

▶ **To uninstall 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.exe"
     "%TEMP%"
   ```

   ○ For 64-bit operating systems:

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

2. Uninstall 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 uninstall 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.exe"
     "%TEMP%"
   ```

   ○ For 64-bit operating systems:

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

2. Uninstall 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.

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

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

▶ **To uninstall 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.exe"
     "%TEMP%"
   ```

   ○ For 64-bit operating systems:

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

2. Uninstall 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.

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

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

Other commands

The following is a list of all the commands you can use with SMART Uninstaller.

Command	Description	Notes
`--dry-run`	Runs the command line but doesn't uninstall the software.	This is useful for testing command lines before running them.
`--locale [Language code]` Where *[Language code]* is a language code (for example, **fr** for French)	Displays SMART Uninstaller in a language other than the operating system's language.	The appropriate language pack must be installed to display SMART Uninstaller in the language.
`--uilevel [Level]` Where *[Level]* is **none**, **basic** (default), **reduced** or **full**	Specifies the user interface that displays when SMART Uninstaller uninstalls the software.	Normally, **--uilevel none** is used only in combination with **--noui**.
`--no-auto-remove`	Disables the automatic removal of supporting packages (for example, SMART Common Files) that are no longer required after the selected packages are uninstalled.	This is used only if **--noui** is also included.
`--noui`	Doesn't display the SMART Uninstaller user interface.	Normally, **--noui** is used only in combination with **--uilevel none**.
`--uninstall-all`	Uninstalls all detected SMART packages.	[N/A]
`--uninstall [Product names]` Where *[Product names]* is a comma delimited list of product names	Uninstalls the specified products.	[N/A]
`--uninstall-pc [Product codes]` Where *[Product codes]* is a comma delimited list of product codes	Uninstalls the specified products.	[N/A]

Product codes

Version	Product code
SMART Product Drivers	
11.4	{53330A17-78DE-458E-9997-292A2D6D3ADD}

Version	Product code
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}
12.5	{696243E7-E4BB-4696-ACF0-C6D2FC012136}
12.6	{1E280E41-ED8E-424C-9EA9-FD52963B21BE} (shipped with SMART Notebook 16.1) {3298B999-38D0-4650-8FB7-3C9E71325465} (shipped with SMART Notebook 16.2)
12.7	{1E280E41-ED8E-424C-9EA9-FD52963B21BE}
12.8	{77A06E6F-E57E-466B-B65D-C172EED8A198}
12.9	{663AF146-1736-49B3-B96D-A1006692BB0E}
SMART Ink	
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}
4.0	{A5AEF478-1170-4335-86B8-561328B193EC}
4.1	{7AB1FDF1-6998-43AD-B705-EA8AF7439407}
4.2	{11ECCC34-FC75-4DA0-B13D-E89D1E6661BF}
5.0	{89E25BCE-F949-405E-ADA9-8537B4F4E2B8}
5.1	{A292B5F2-F55A-4960-A58F-07569554D321}
5.2	{A60BAFDD-6BFF-4F65-8364-499ED8EB91DB}

Language files and codes

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**

Language	Code	File
Lithuanian	1063	**1063.mst**
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**
Ukrainian	1058	**1058.mst**

Handwriting recognition resources

SMART Product Drivers and SMART Ink 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}

File	Code
hebrew_handwriting.msi	{3623E3DE-104A-4651-B8E3-9D2851636A2F}
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}
ukrainian_handwriting.msi	{CEAEC5BE-99AA-4D82-A06D-4D5B5895DB3F}

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