

# Microsoft® DirectX™ 2 Software Development Kit

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# DirectSetup

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## Overview

### About DirectSetup

DirectSetup is a simple application programming interface (API) that provides you with a one-call installation for the DirectX™ 2 components. This is more than a convenience; DirectX 2 is a complex product and its installation is an involved task. You should not attempt a manual installation of DirectX 2.

### Using DirectSetup

Although there are two APIs provided by DirectSetup, only one is of use to you as an application developer. The other is designed for those who plan to install their own DirectX device drivers, and is not addressed in this document.

Although DirectSetup allows you to install a single DirectX component, such as DirectDraw, this is not recommended since the space saving advantages are minimal due to the interdependent design of DirectX components.

## Reference

### Functions

There are only two functions provided by DirectSetup, and only one of them, **DirectXSetup**, is of interest to you as an application developer. The other, **DirectXDeviceSetup**, is intended for use by manufacturers who want to install their own DirectX device drivers, and is not addressed in this document. The declarations for DirectSetup can be found in Dsetup.h.

### DirectXSetup

```
int WINAPI DirectXSetup(HWND hwnd, LPSTR root_path,  
    DWORD dwflags);
```

Installs one or more DirectX components.

- Returns one of the following values:

**SUCCESS**

A 0 is returned if the setup was successful and *no* reboot is required.

A 1 is returned if the setup was successful and a reboot *is* required.

**DSETUPERR\_BADSOURCEIZE**

A file's size could not be verified or was incorrect.

**DSETUPERR\_BADSOURCETIME**

A file's date and time could not be verified or was incorrect.

**DSETUPERR\_BADWINDOWSVERSION**

The Windows version on your system is not supported by DirectX.

**DSETUPERR\_CANTFINDDIR**

The setup program could not find the working directory.

**DSETUPERR\_CANTFINDINF**

A required .inf file could not be found.

**DSETUPERR\_INTERNAL**

An internal error occurred.

**DSETUPERR\_NOCOPY**

A file's version could not be verified or was incorrect. If the DSETUP\_REINSTALL flag is specified, equal versions will be installed.

**DSETUPERR\_OUTOFDISKSPACE**

The setup program ran out of disk space during installation.

**DSETUPERR\_SOURCEFILENOTFOUND**

One of the required source files could not be found.

*hwnd*

Parent HWND for the setup dialog boxes.

*root\_path*

Address of a string containing the root path of the DirectX component files.

*dwflags*

One or more flags used to indicate which DirectX components should be installed. A full installation is recommended.

<b>DSETUP_D3D</b>	Installs Direct3D.
<b>DSETUP_DDRAW</b>	Installs DirectDraw.
<b>DSETUP_DIRECTX</b>	Installs all DirectX components.
<b>DSETUP_DPLAY</b>	Installs DirectPlay.
<b>DSETUP_DSOUND</b>	Installs DirectSound.
<b>DSETUP_REINSTALL</b>	Installs even if the existing components are the same version.