

## Cruzer Enterprise Registry Key Reference Guide

May 2007

When the Cruzer Enterprise does not launch because of a security policy that prohibits registry changes, permissions on the following keys should be modified to full control for all users that will be authorized to insert the drive.

```
HKEY_LOCAL_MACHINE\System\CurrentControlSet\Control\Class
HKEY_LOCAL_MACHINE\System\CurrentControlSet\Control\DeviceClasses
```

In addition, permission on the following keys may need to be modified:

```
HKEY_LOCAL_MACHINE\HARDWARE
HKEY_LOCAL_MACHINE\System\CurrentControlSet\Enum
HKEY_LOCAL_MACHINE\System\MountedDevices
```

If you want to restrict your users to only new Cruzer Enterprise drives or other mass storage devices, do not change permissions on the entire Class tree. Instead, only modify permissions on the following subkeys:

1. USB base class – Every USB device has an entry in this key.  
HKEY\_LOCAL\_MACHINE\System\CurrentControlSet\Control\Class\{36FC9E60-C465-11CF-8056-444553540000}
2. CD/DVD drive base class – All CD/DVD drives are contained in this key. Cruzer Enterprise has an entry in this key because it emulates a CD-ROM drive.  
HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{4D36E965-E325-11CE-BFC1-08002BE10318}
3. Storage volume class – Every new volume has an entry in this key. Cruzer Enterprise creates an entry in this key for its volume  
HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\Class\{71A27CDD-812A-11D0-BEC7-08002BE2092F}
4. HID class – When Cruzer Enterprise is running in non-admin mode, it creates an entry in this key for the composite HID device that is used to pass commands to the controller.  
HKEY\_LOCAL\_MACHINE\System\CurrentControlSet\Control\Class\{745A17A0-74D3-11D0-B6FE-00A0C90F57DA}
5. HID device class – Every new device running in non-admin mode which does not already exist in the list below this key, creates a new entry.  
HKEY\_LOCAL\_MACHINE\System\CurrentControlSet\Control\DeviceClasses\{4D1E55B2-F16F-11CF-88CB-001111000030}

6. USB mass storage device class – Every new device which does not already exist in the list below this key, creates a new entry.

```
HKEY_LOCAL_MACHINE\System\CurrentControlSet\Control\DeviceClasses\{53F56307-B6BF-11D0-94F2-00A0C91EFB8B}
```

7. The Enum volatile registry tree provides current hardware mapping information to the Windows kernel. Every device on the system changes this tree.

```
HKEY_LOCAL_MACHINE\System\CurrentControlSet\Enum\HID
```

```
HKEY_LOCAL_MACHINE\System\CurrentControlSet\Enum\Root\LEGACY_HIDSERV
```

```
HKEY_LOCAL_MACHINE\System\CurrentControlSet\Enum\STORAGE\RemovableMedia
```

```
HKEY_LOCAL_MACHINE\System\CurrentControlSet\Enum\USB
```

```
HKEY_LOCAL_MACHINE\System\CurrentControlSet\Enum\USBSTOR
```

8. If certain Microsoft keyboards or mice are installed, the HID service provides additional support for special buttons. Because Cruzer Enterprise uses extended HID support, disabling this service when it is in use may cause hardware issues. Running this service requires read permission on the registry key.

```
HKEY_LOCAL_MACHINE\System\CurrentControlSet\Services\HidServ
```

9. This registry key is the composite USB driver required for non-admin support. All users require read access to this key.

```
HKEY_LOCAL_MACHINE\System\CurrentControlSet\Services\usbccgp
```

10. The USBSTOR driver is the basic USB mass storage driver. If this key is blocked, USB mass storage devices may not function correctly.

```
HKEY_LOCAL_MACHINE\System\CurrentControlSet\Services\USBSTOR
```

11. When a new Cruzer Enterprise is inserted into a system, this registry key is written to record certain attributes. It can be safely removed, but startup performance may suffer as a result.

```
HKEY_CURRENT_USER\Software\8ec
```

12. In Windows XP Service Pack 2 and Windows Vista, Autoplay is extended to run on USB mass storage devices. As a result, this key is read after login by Windows. The does not have to exist.

```
HKEY_LOCAL_MACHINE\Software\Microsoft\Windows\CurrentVersion\Explorer\AutoplayHandlers\DeviceClasses\{53F5630D-B6BF-11D0-94F2-00A0C91EFB8B}
```

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