



HSM USB Serial Driver - WDRReg

WDREG Overview

The HSM USB Serial Driver is provided with an installation utility (wdreg.exe) for dynamically loading and unloading your driver on Windows®. This utility can be used to replace the slower manual installation process using Windows' Device Manager.

*Note: **WDREG** is dependent on the Driver Install Frameworks API (DIFxAPI) DLL (difxapi.dll), unless when run with the **-compat** option (described below). The dll (difxapi.dll) is provided together with wdreg.exe in the HSM USB Serial Driver installation package.*

WDREG Usage

The **WDREG** utility can be used in two ways, as demonstrated below:

- wdreg -inf <filename> [-silent] [-log <logfile>] [install | uninstall | enable | disable]
- wdreg -rescan <enumerator> [-silent] [-log <logfile>]

Options

WDREG supports several basic OPTIONS from which you can choose one, some, or none:

-inf – The path of the INF file to be dynamically installed.

-rescan <enumerator> – Rescan enumerator (ROOT, USB, etc.) for hardware changes. Only one enumerator can be specified.

-silent – Suppress display of all messages (optional).

-log <logfile> – Log all messages to the specified file (optional).

-compat – Use the traditional **SetupDi** API instead of the newer Driver Install Frameworks API (**DIFxAPI**).

Actions

wdreg supports several basic ACTIONS:

install – Installs the INF file, copies the relevant files to their target locations, dynamically loads the driver specified in the INF file name by replacing the older version (if needed).

preinstall – Pre-installs the INF file for a non-present device.

uninstall – Removes your driver from the registry so that it will not load on next boot (see note below).

enable – Enables your driver.

disable – Disables your driver, i.e., dynamically unloads it, but the driver will reload after system boot (see note below).

Examples

- To start the Honeywell USB Serial Transport Driver component (**Honeywell_enum_21617.sys**) and pre-install the Honeywell USB Serial Driver CDC ACM and CDC Virtual Serial Port component (**Honeywell_CDC_21617.sys**). Run:

```
wdreg.exe -inf honeywell_enum_control_002.inf -log .\Install.log install
```

This command loads the **honeywell_enum_control_002.inf** INF file, logs all messages to Install.log file and starts the **honeywell_enum_21617.sys** driver service.

```
wdreg.exe -inf honeywell_enum_002.inf -log .\Install.log preinstall
```

This command preinstalls the **honeywell_enum_002.inf** INF file and logs all messages to Install.log file.

```
wdreg.exe -inf honeywell_cdc_002.inf -log .\Install.log preinstall
```

This command preinstalls the **honeywell_cdc_002.inf** INF file and logs all messages to Install.log file.

- To unload the Honeywell USB Serial Driver CDC ACM and CDC Virtual Serial Port component (**honeywell_cdc_21617.sys**), run:

```
wdreg.exe -inf .\x86\honeywell_cdc_002.inf -log .\Uninstall.log uninstall
```

This command stops the **honeywell_cdc_21617.sys**, unloads the **honeywell_cdc_002.inf** INF file and logs all messages to Uninstall.log.

```
wdreg.exe -inf .\x86\honeywell_enum_002.inf -log .\Uninstall.log uninstall
```

This command stops the **honeywell_enum_21617.sys**, unloads the **honeywell_enum_002.inf** INF file and logs all messages to Uninstall.log.

```
wdreg.exe -inf .\x86\honeywell_enum_control_002.inf -log .\Uninstall.log uninstall
```

This command stops the **honeywell_enum_21617.sys**, unloads the **honeywell_enum_control_002.inf** INF file and logs all messages to Uninstall.log.