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Command Line Guide

Updated December 18 for use with
VRMark Professional Edition v1.2.1701

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Installation

When installing the application using a command line the following options are available.

```
vrmark-setup.exe [options]
```

Command	Description
`/installpath=<install path>`	Defines the install path, default is C:\Program Files\Futuremark\VRMark
`/quiet /silent`	Silent install, displays no user interface
`/force`	Force install
`/install`	Installs the product (Default)
`/uninstall`	Uninstalls the product

⚠ Running the installer while using elevated permissions can cause the application to function incorrectly. Please avoid running the installer with elevated permissions until prompted.

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Usage

Run the program from a command line that was started as an administrator, (right-click on the *cmd* shortcut, and select *Run as Administrator*).

```
VRMarkCmd.exe [options]
```


VRMark Professional Edition license required for command line use.

Options

⚠ When *on/off* is omitted with an option, *on* is assumed.

Command	Description
`--definition=<benchmark.xml>`	Name of benchmark definition XML file. Specifies the XML file that defines the tests and settings to be used. See below for XML file example.
`--loop[=<count>]`	Set the number of times to loop benchmark. The default is 1. Use 0 for infinite loop stress test, benchmark will not end until aborted.
`--audio[=on|=off]`	Play audio (default on).
`--systeminfo[=on|=off]`	Collect SystemInfo (default off).
`--systeminfomonitor[=on|=off]`	Enable SystemInfo Monitoring (default off).
`--out=<file.vrmark-result>`	Save results in the file.
`--in=<file.vrmark-result>`	Load results from the file (only for submitting online using --online=on or exporting using --export)
`--gpuCount`	Specify number of GPUs to use, maximum value is 2. If it is not specified this value is determined automatically
`--online[=on|=off]`	Send results to Futuremark Online Service (default off).
`--export=<file.xml>`	Export results to the XML file.
`--log=<log-file>`	Save benchmark progress log to `<log-file>`. Logging does not affect scores.

	If this option is not used, the last 1000 lines of logging are saved to the default location: `C:\Users\*username*\Documents\VRMark\Log\VRMark.log`
`--debug-log`	Enable per workload debug logging. Log files for each workload run are saved to: `C:\Users\*username*\Documents\VRMark\Log`
`--register=<product key>`	Register VRMark with the given key.
`--unregister`	Unregister VRMark.
`--uninstall`	Removes all DLCs and settings files
`--path=<arg>`	Changes the destination path for downloaded DLCs and other runtime files
`--language=<arg>`	Changes the language of the application, valid language options are : English en-US, German de-DE, Chinese Simplified zh-Hans, Russian ru-RU
`--encodedParameters=<arg>`	Passes command line parameters to the application in encoded form
`--trace`	Verbose logging
`--help`	Show command line options

Examples

These examples assume that you have mybenchmark.vrmdef in the folder which defines your benchmark run and that you have write permissions to the same directory.

Loop Blue Room Desktop indefinitely using default settings.

```
VRMarkCmd.exe --definition=..\..\benchmark_blue_room_desktop.vrmdef
--loop=0 --out=myresults.vrmark-result
```

Loop three times with customized "mybenchmark.vrmmdef" settings, saving results to myresults.vrmark-result (there will be three numbered result files, one per run)

```
VRMarkCmd.exe --definition=..\..\benchmark_blue_room_desktop.vrmdef
--loop=3 --out=myresults.vrmark-result
```

Install DLCs downloaded seperately.

```
VRMarkCmd.exe --install="C:\downloads\"
```

Change language to German.

```
VRMarkCmd.exe --language=de-DE
```

Change DLC install path

```
VRMarkCmd.exe --path="D:\VRMarkDlc"
```

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Definition XML files

VRMark comes with definition files that enable you to set up and run a benchmark with standard or custom settings. By default, these definitions can be found in:

```
C:\Program Files\Futuremark\VRMark\
```

benchmark_orange_room_desktop.vrmdef	Default Orange Room Desktop test
benchmark_orange_room_hmd.vrmdef	Default Orange Room HMD test
benchmark_cyan_room_desktop.vrmdef	Default Cyan Room Desktop test
benchmark_cyan_room_hmd.vrmdef	Default Cyan Room HMD test
benchmark_blue_room_desktop.vrmdef	Default Blue Room Desktop test
benchmark_blue_room_hmd.vrmdef	Default Blue Room HMD test
experience_orange_room_desktop.vrmdef	Default Orange Room Desktop Experience mode
experience_orange_room_hmd.vrmdef	Default Orange Room HMD Experience mode
experience_cyan_room_desktop.vrmdef	Default Cyan Room Desktop Experience mode
experience_cyan_room_hmd.vrmdef	Default Cyan Room HMD Experience mode
experience_blue_room_desktop.vrmdef	Default Blue Room Desktop Experience mode
experience_blue_room_hmd.vrmdef	Default Blue Room HMD Experience mode
custom_benchmark_orange_room_desktop.vrmdef	Custom Orange Room Desktop test
custom_benchmark_orange_room_hmd.vrmdef	Custom Orange Room HMD test
custom_benchmark_cyan_room_desktop.vrmdef	Custom Cyan Room Desktop test
custom_benchmark_cyan_room_hmd.vrmdef	Custom Cyan Room HMD test
custom_benchmark_blue_room_desktop.vrmdef	Custom Blue Room Desktop test
custom_benchmark_blue_room_hmd.vrmdef	Custom Blue Room HMD test

The default definitions are the same as running a test from the GUI.

Custom definition files mirror the options available on the Custom run screen in the GUI. Copy the appropriate custom definition file and edit it to match your desired settings. Note that custom runs only produce sub-scores, never an overall score.

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Example

benchmark_orange_room_desktop.vrmdef

```
<?xml version="1.0" encoding="utf-8"?>
<benchmark>
  <application_info>
    <selected_workloads>
      <selected_workload name="VrBenchmarkOrangeRoomDesktop"/>
    </selected_workloads>
  </application_info>
</benchmark>
```

Test names are fairly self-explanatory, for example "VrBenchmarkOrangeRoomDesktop" will run this test