

# Functions to iterate over all dongles

## Functions

- **GrdFindHandle** **grdFindFirst** (uint32\_t findFlags, const **GrdFindMode** \*findMode, size\_t findModeSize, **GrdFindInfo** \*findInfo, size\_t findInfoSize)
- uint32\_t **grdFindNext** (**GrdFindHandle** handle, **GrdFindInfo** \*findInfo, size\_t findInfoSize)
- uint32\_t **grdFindClose** (**GrdFindHandle** handle)
- uint32\_t **grdGetAPIVersionNumber** ()

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## Detailed Description

To iterate over all dongles in rare cases where the standard scenario is not enough to select the dongle Service functions

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## Function Documentation

```
GrdFindHandle grdFindFirst (uint32_t findFlags, const GrdFindMode *findMode, size_t findModeSize, GrdFindInfo *findInfo, size_t findInfoSize)
```

Searches for a dongles that matches a specific search criteria

### Parameters:

- findFlags** - Combination of GrdFM\_XXX flags
- findMode** - A pointer to the **GrdFindMode** structure
- findModeSize** - Size of the **GrdFindMode** structure
- findInfo** - A pointer to the **FindInfo** structure
- findInfoSize** - Size of the **findInfo** buffer

### Returns:

If the function succeeds, the return value is a search handle used in a subsequent call to **grdFindNext** or **grdFindClose**, and the findInfo parameter contains information from the first dongle found. If the function fails or fails to locate dongles from the search terms, the return value is INVALID\_HANDLE

```
uint32_t grdFindNext (GrdFindHandle handle, GrdFindInfo *findInfo, size_t findInfoSize)
```

Continues a dongles search from a previous call to the **grdFindFirst** function

### Parameters:

- handle** - The search handle returned by a previous call to the **grdFindFirst** function
- findInfo** - A pointer to the **FindInfo** structure
- findInfoSize** - Size of the **findInfo** buffer

### Returns:

Returns zero if successful, otherwise an error code is returned

```
uint32_t grdFindClose (GrdFindHandlehandle)
```

The **grdFindClose** function closes handles previously opened with **grdFindFirst** function

**Parameters:**

**handle** - A valid handle value

**Returns:**

Returns zero if successful, otherwise an error code is returned

```
uint32_t grdGetAPIVersionNumber ()
```

The **grdGetAPIVersionNumber** function returns the version number of the API. Use this function if your program uses functions and data structures that are not available in all API versions.

**Returns:**

Returns a number that indicates the API version number.