

# MBS REALbasic Main Plugin Documentation

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## 0.1 Introduction

This is the PDF version of the documentation for the REALbasic Plug-in from Monkeybread Software Germany. Plugin part: MBS REALbasic Main Plugin

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# Chapter 1

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## Chapter 2

# Registration

### 2.1 Globals

#### LogoMBS(size as integer) as Picture

global method, Registration, MBS REALbasic Main Plugin (MonkeybreadLogo), Plugin version: 8.5, console safe in REAL Studio 2010r3 or newer, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** Returns the MBS logo picture.

**Notes:**

Best size is 500 pixel.

This function exists to provide a sample picture for examples.

#### MBSPluginCompileDate as string

global method, Registration, MBS REALbasic Main Plugin (PluginVersion), Plugin version: 6.3, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** Compilation date of the plugins.

**Example:**

```
MsgBox MBSPluginCompileDate
```

**Notes:**

e.g. "Aug 27 2006"

Actually the compilation date of the Version Plugin part which defines this function.

**MBSPluginCompileTime as string**

global method, Registration, MBS REALbasic Main Plugin (PluginVersion), Plugin version: 6.3, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** Compilation Time of the plugins.

**Example:**

```
MsgBox MBSPluginCompileTime
```

**Notes:**

e.g. "19:40:16"

Actually the compilation date of the Version Plugin part which defines this function.

**MBSPluginVersion as string**

global method, Registration, MBS REALbasic Main Plugin (PluginVersion), Plugin version: 3.1, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** Returns a version string from the plugin.

**Notes:** You can show that in your about box so your users can tell you which plugin they use.

**RegisterMBSPlugin(name as string, product as string, enddate as integer, serial as integer) as boolean**

global method, Registration, MBS REALbasic Main Plugin (Registration), Plugin version: 6.5, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The function to register the plugins.

**Example:**

```
const name="Joe Smith"
const serialnumber=123456789
const enddate = 200710

if not RegisterMBSPlugin(name,"MBS2007", enddate, serialnumber) then
msgBox "something wrong with the serial number of the plugins!"
end if
```

**Notes:**

Returns true if name and serial number is accepted.

While you are running your project in Realbasic you don't need to register, but if you compile for any target, you should or nice popup windows will show that the app is not registered.

Register in an application subclass to make registering as early as possible.

In case you get this message: "RegisterMBSPlugin()", giving the message "This item conflicts with another item of the same name" you have something else in your plugins folder, e.g. a html file.

Possible reasons for this failing:

- The calculations you make on the strings or serial number do not create the same value on every machine (Intel vs. PPC, e.g. endian problems)
- You use MBS functions before calling registration function (e.g. you register in window.open event and use the plugin for a control.)
- You mix different plugin versions in your Realbasic folder.

This function works only for 2007 serial numbers.

See also:

- 2.1 RegisterMBSPlugin(name as string, product as string, serial as integer) as boolean

**RegisterMBSPlugin(name as string, product as string, serial as integer) as boolean**

global method, Registration, MBS REALbasic Main Plugin (Registration), Plugin version: 3.0, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The function to register the plugins.

**Example:**

```
const name="Joe Smith"
const serialnumber=123456789
const enddate = 200710

if not RegisterMBSPlugin(name,"MBS2003", enddate, serialnumber) then
  msgBox "something wrong with the serial number of the plugins!"
end if
```

**Notes:**

Returns true if name and serial number is accepted.

While you are running your project in Realbasic you don't need to register, but if you compile for any target, you should or nice popup windows will show that the app is not registered.

Register in an application subclass to make registering as early as possible.

In case you get this message: "RegisterMBSPlugin()", giving the message "This item conflicts with another item of the same name" you have something else in your plugins folder, e.g. a html file.

Possible reasons for this failing:

- The calculations you make on the strings or serial number do not create the same value on every machine (Intel vs. PPC, e.g. endian problems)
- You use MBS functions before calling registration function (e.g. you register in window.open event and use the plugin for a control.)
- You mix different plugin versions in your Realbasic folder.

See also:

- 2.1 RegisterMBSPlugin(name as string, product as string, enddate as integer, serial as integer) as boolean 6

## 2.2 module MBS

### module MBS

module from class MBS, Registration, MBS REALbasic Main Plugin (PluginVersion), Plugin version: 9.5, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The module with version details.

### 2.2.1 Constants

#### BuildNumber = 16554

const from class MBS, Registration, MBS REALbasic Main Plugin (PluginVersion), Plugin version: 9.5, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The build number of the plugins.

**Notes:** The constant value is not in this documentation as it changes too often.

#### CompileDate = "Jan 17 2011"

const from class MBS, Registration, MBS REALbasic Main Plugin (PluginVersion), Plugin version: 9.5, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The compilation date of the plugin.

**Notes:** The constant value is not in this documentation as it changes too often.

#### CompileTime = "18:29:14"

const from class MBS, Registration, MBS REALbasic Main Plugin (PluginVersion), Plugin version: 9.5, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The compilation time of the plugin.

**Notes:** The constant value is not in this documentation as it changes too often.

**Copyright = " 2009 by Monkeybread Software"**

const from class MBS, Registration, MBS REALbasic Main Plugin (PluginVersion), Plugin version: 9.5, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The plugin copyright string.

**Version = "MBS Realbasic Plugin 11.0 (build 16554) Mon Jan 17 16:48:07 2011 (GMT)"**

const from class MBS, Registration, MBS REALbasic Main Plugin (PluginVersion), Plugin version: 9.5, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The plugin version string.

**Website = "http://www.monkeybreadsoftware.de"**

const from class MBS, Registration, MBS REALbasic Main Plugin (PluginVersion), Plugin version: 9.5, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The URL for the Monkeybread Software website.

**Year = 2011**

const from class MBS, Registration, MBS REALbasic Main Plugin (PluginVersion), Plugin version: 9.5, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The year of the plugin.

# Chapter 3

## System

### 3.1 class GlobalExceptionHandlerMBS

class GlobalExceptionHandlerMBS

class, System, MBS REALbasic Main Plugin (ExceptionHandler), Plugin version: 11.0, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** Installs an exception handler to show a message dialog with custom message before the app crashes.

**Notes:**

The plugin allocates some memory which we release later to make sure there is free memory for the message box.

On Windows this method does not work as currently we use static runtime on Windows which does not allow the plugin to access the runtime inside the RB framework.

### 3.1.1 Events

#### GotException

event from class GlobalExceptionHandlerMBS, System, MBS REALbasic Main Plugin (ExceptionHandler), Plugin version: 11.0, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** Called when an unhandled C++ exception was raised.

**Notes:** Your application is in a very instable state when this event is called. Don't do much here and quit soon with ExitMBS/AbortMBS.

## 3.2 Globals

#### InstallSystemExceptionHandlerMBS(Message as string = "")

global method, System, MBS REALbasic Main Plugin (ExceptionHandler), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Does nothing, Linux x86: Works.

**Function:** Installs an exception handler to show a message dialog with custom message before the app crashes.

**Example:**

```
InstallSystemExceptionHandlerMBS "My message"
```

**Notes:**

If message is empty, the default message is "An unhandled C++ exception occurred. The application will now quit. A common reason for this is simply running out of memory."

The plugin allocates some memory which we release later to make sure there is free memory for the message box.

On Windows this method does not work as currently we use static runtime on Windows which does not allow the plugin to access the runtime inside the RB framework.

## 3.3 module BuildConstantsMBS

### module BuildConstantsMBS

module from class BuildConstantsMBS, System, MBS REALbasic Main Plugin (Constants), Plugin version: 11.0, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** A module with build constants for you.

**Example:**

```
MsgBox BuildConstantsMBS.DateTime
```

### 3.3.1 Constants

**Date = "17. 1.2011"**

const from class BuildConstantsMBS, System, MBS REALbasic Main Plugin (Constants), Plugin version: 11.0, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The constant for the date.

**Example:**

```
MsgBox BuildConstantsMBS.Date
```

**Notes:**

Format is dd.mm.yyyy like 24.12.2010.

This is the date when the plugin was loaded to the REAL Studio IDE. You can use this constant to know in your application when it was built. Not exactly, but within a few hours exact.

**DateTime = "Mon Jan 17 18:55:07 2011"**

const from class BuildConstantsMBS, System, MBS REALbasic Main Plugin (Constants), Plugin version: 11.0, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The constant for the date and time.

**Example:**

```
MsgBox BuildConstantsMBS.DateTime
```

**Notes:** This is the time when the plugin was loaded to the REAL Studio IDE. You can use this constant to know in your application when it was built. Not exactly, but within a few hours exact.

**Day = 17**

const from class BuildConstantsMBS, System, MBS REALbasic Main Plugin (Constants), Plugin version: 11.0, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The day.

**Hour = 18**

const from class BuildConstantsMBS, System, MBS REALbasic Main Plugin (Constants), Plugin version: 11.0, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The hour.

**Minute = 55**

const from class BuildConstantsMBS, System, MBS REALbasic Main Plugin (Constants), Plugin version: 11.0, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The minute.

**Month = 1**

const from class BuildConstantsMBS, System, MBS REALbasic Main Plugin (Constants), Plugin version: 11.0, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The month.

**Second = 7**

const from class BuildConstantsMBS, System, MBS REALbasic Main Plugin (Constants), Plugin version: 11.0, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The second.

**Time = "18:55: 7"**

const from class BuildConstantsMBS, System, MBS REALbasic Main Plugin (Constants), Plugin version: 11.0, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The constant for the time.

**Example:**

```
MsgBox BuildConstantsMBS.Time
```

**Notes:**

Format is like hh:mm:ss like 11:22:33.

This is the time when the plugin was loaded to the REAL Studio IDE. You can use this constant to know in your application when it was built. Not exactly, but within a few hours exact.

**Year = 2011**

const from class BuildConstantsMBS, System, MBS REALbasic Main Plugin (Constants), Plugin version: 11.0, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The year.



## Chapter 4

### List of all classes

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## Chapter 5

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# Chapter 6

## List of all global methods

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