

# MBS REALbasic XLS 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 XLS Plugin

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# Chapter 1

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# Chapter 2

## XLS

### 2.1 class XLSRowMBS

#### class XLSRowMBS

class, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The class for a row in an Excel file.

#### 2.1.1 Methods

##### Cell(x as integer) as XLSCellMBS

method from class XLSRowMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** Lookups the cell with the given column index.

**Notes:**

If the cell is not defined, the value of the undefinedCell property.  
Index is zero based. From 0 to NumColumn-1.

### Cells as `XLSCellMBS()`

method from class `XLSRowMBS`, `XLS`, `MBS REALbasic XLS Plugin (XLS)`, Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** An array with all cells in this row.

### `Text(delimiter as string)` as string

method from class `XLSRowMBS`, `XLS`, `MBS REALbasic XLS Plugin (XLS)`, Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** Returns the text of all cells in the row with the given delimiter.

**Notes:** If an empty string is passed for delimiter, the plugin uses tab (ASCII 9).

See also:

- 2.1.2 Text as String

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## 2.1.2 Properties

### `NumColumn` as Integer

property from class `XLSRowMBS`, `XLS`, `MBS REALbasic XLS Plugin (XLS)`, Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The number of columns in this row.

**Notes:** (Read and Write property)

### `Row` as Integer

property from class `XLSRowMBS`, `XLS`, `MBS REALbasic XLS Plugin (XLS)`, Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The row number of this row.

**Notes:** (Read and Write property)

### Text as String

property from class XLSRowMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The text of the row.

**Notes:**

This is a property we have for viewing the row content in the debugger.

Internally Text("") is called.

(Read only property)

See also:

- 2.1.1 Text(delimiter as string) as string

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### undefinedCell as XLSCellMBS

property from class XLSRowMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The cell value to return on the cell() function for undefined cells.

**Notes:**

If you assign here a cell, you can have the cell() function not returning nil.

(Read and Write property)

## 2.2 class XLSMergedCellsMBS

### class XLSMergedCellsMBS

class, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The class for a merged cells.

## 2.2.1 Properties

### ColumnSpan as Integer

property from class XLSMergedCellsMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The column span.

**Notes:** (Read and Write property)

### FirstColumn as Integer

property from class XLSMergedCellsMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The first column index.

**Notes:** (Read and Write property)

### FirstRow as Integer

property from class XLSMergedCellsMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The first row index.

**Notes:** (Read and Write property)

### LastColumn as Integer

property from class XLSMergedCellsMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The last column index.

**Notes:** (Read and Write property)

**LastRow as Integer**

property from class XLSMergedCellsMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The last row index.

**Notes:** (Read and Write property)

**RowSpan as Integer**

property from class XLSMergedCellsMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The row span.

**Notes:** (Read and Write property)

## 2.3 class XLSSheetMBS

**class XLSSheetMBS**

class, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The class for excel sheet.

### 2.3.1 Methods

**Cell(x as integer, y as integer) as XLSCellMBS**

method from class XLSSheetMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** Lookups the cell with the given position.

**Notes:**

If the cell is not defined, the value of the `undefinedCell` property.  
x index is zero based. From 0 to `NumColumn-1`.  
y index is zero based. From 0 to `NumRow-1`.

### Cells as `XLSCellMBS()`

method from class `XLSSheetMBS`, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** Returns an array with all cells on this sheet.

**Notes:** Only cells in use are part of this array.

### MergedCells as `XLSMergedCellsMBS()`

method from class `XLSSheetMBS`, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The array of merged cell areas on this sheet.

### Row(y as integer) as `XLSRowMBS`

method from class `XLSSheetMBS`, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The row with the given index.

**Notes:** Index from 0 to `NumRows-1`.

### Rows as `XLSRowMBS()`

method from class `XLSSheetMBS`, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** Returns an array with all rows on this sheet.

**SetUndefinedCell(cell as XLSCellMBS)**

method from class XLSSheetMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** Sets the undefined property on this sheet and all row objects on the sheet.

**Text(RowDelimiter as string, CellDelimiter as string) as string**

method from class XLSSheetMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** Returns the text of all cells on this sheet with the given delimiters.

**Notes:**

If an empty string is passed for RowDelimiter, the plugin uses return (ASCII 13).

If an empty string is passed for CellDelimiter, the plugin uses tab (ASCII 9).

See also:

- 2.3.2 Text as String

## 2.3.2 Properties

**firstRow as XLSRowMBS**

property from class XLSSheetMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The first row of this sheet.

**Notes:**

This property is mainly for the debugger so you can inspect the first row there.  
(Read only property)

### Footer as String

property from class XLSSheetMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The page footer of this sheet.

**Notes:** (Read and Write property)

### Header as String

property from class XLSSheetMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The page header of this sheet.

**Notes:** (Read and Write property)

### Index as Integer

property from class XLSSheetMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The index of this sheet.

**Notes:** (Read and Write property)

### MaxColumn as Integer

property from class XLSSheetMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The maximum column index used on the sheet.

**Notes:**

The sheet can have 100 columns, but maybe only 10 columns are used.  
(Read and Write property)

**MaxRow as Integer**

property from class XLSSheetMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The maximum row index used on the sheet.

**Notes:**

The sheet can have 100 rows, but maybe only 10 rows are used.  
(Read and Write property)

**Name as String**

property from class XLSSheetMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The name of the sheet.

**Notes:**

Can be empty.  
(Read and Write property)

**NumColumns as Integer**

property from class XLSSheetMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The number of columns on this sheet.

**Notes:** (Read and Write property)

**NumRows as Integer**

property from class XLSSheetMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The number of rows.

**Notes:** (Read and Write property)

**Text as String**

property from class XLSSheetMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The text of the sheet.

**Notes:**

This is a property we have for viewing the row content in the debugger.

Internally Text("", "") is called.

(Read only property)

See also:

- 2.3.1 Text(RowDelimiter as string, CellDelimiter as string) as string

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**undefinedCell as XLSCellMBS**

property from class XLSSheetMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The cell value to return on the cell() function for undefined cells.

**Notes:**

If you assign here a cell, you can have the cell() function not returning nil.

(Read and Write property)

**2.4 class XLSDocumentMBS****class XLSDocumentMBS**

class, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The class for an Excel document.

**Notes:** This class is self written and certainly not perfect. But it allows to read text and numbers from an

excel file, so we can use it for improving in our applications.

### 2.4.1 Methods

#### Constructor(Data as string)

method from class XLSDocumentMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** Parses the given excel document in the data string.

#### FormatRecords as XLSFormatRecordMBS()

method from class XLSDocumentMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** Returns an array with format records.

#### Formats as string()

method from class XLSDocumentMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** Returns an array of formats.

#### Sheets as XLSSheetMBS()

method from class XLSDocumentMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The array with all the sheets in the document.

### Strings as string()

method from class XLSDocumentMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** Returns an array of the global string storage.

## 2.4.2 Properties

### FileData as String

property from class XLSDocumentMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The original file data passed to the constructor.

**Notes:** (Read and Write property)

### FilePassword as Integer

property from class XLSDocumentMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The file password value.

**Notes:** (Read and Write property)

### FirstSheet as XLSSheetMBS

property from class XLSDocumentMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The first sheet.

**Notes:**

This property was made to look inside the document using the debugger.  
(Read only property)

**IsFilePasswordProtected as Boolean**

property from class XLSDocumentMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** Whether the file is password protected.

**Notes:** (Read and Write property)

**NineTeenFour as Boolean**

property from class XLSDocumentMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** If true, a 1904 tag was found.

**Notes:**

Code formatting date values needs to know whether the start date is 1904 (Mac) or the not (Windows).  
(Read and Write property)

**RawData as String**

property from class XLSDocumentMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The raw data after the OLE extraction.

**Notes:** (Read and Write property)

**Version as Integer**

property from class XLSDocumentMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The version of this document.

**Notes:** (Read and Write property)

### 2.4.3 Constants

#### **VersionExcel2000 = & h600**

const from class XLSDocumentMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** One of the Excel version constants.

#### **VersionExcel2002 = & h600**

const from class XLSDocumentMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** One of the Excel version constants.

#### **VersionExcel2003 = & h600**

const from class XLSDocumentMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** One of the Excel version constants.

#### **VersionExcel2007 = & h600**

const from class XLSDocumentMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** One of the Excel version constants.

**VersionExcel95 = & h500**

const from class XLSDocumentMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** One of the Excel version constants.

**VersionExcel97 = & h600**

const from class XLSDocumentMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** One of the Excel version constants.

## 2.5 class XLSCellMBS

**class XLSCellMBS**

class, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The class for a cell.

### 2.5.1 Properties

**Column as Integer**

property from class XLSCellMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The column of this cell.

**Notes:** (Read and Write property)

### Index as Integer

property from class XLSCellMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The index of the format record for this cell.

**Notes:** (Read and Write property)

### MergedCell as XLSMergedCellsMBS

property from class XLSCellMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** A reference to a merged cell this cell belongs to.

**Notes:** (Read only property)

### Raw as Variant

property from class XLSCellMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The raw data for this cell.

**Notes:**

For number cells, this is the double value with the number.

(Read only property)

### Row as Integer

property from class XLSCellMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The row number for this cell.

**Notes:** (Read and Write property)

**Sheet as XLSSheetMBS**

property from class XLSCellMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The sheet this cell is on.

**Notes:** (Read only property)

**Text as String**

property from class XLSCellMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The text of this cell.

**Notes:** (Read and Write property)

**Type as Integer**

property from class XLSCellMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The cell type.

**Notes:** (Read and Write property)

**2.5.2 Constants****TypeBoolean = 6**

const from class XLSCellMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** One of the type constants.

**Notes:** A boolean cell.

**TypeDate = 1**

const from class XLSCellMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** One of the type constants.

**Notes:** A date cell.

**TypeError = 7**

const from class XLSCellMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** One of the type constants.

**Notes:** A cell with an error value.

**TypeLabel = 3**

const from class XLSCellMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** One of the type constants.

**Notes:** A cell with a simple text label.

**TypeLabelSST = 4**

const from class XLSCellMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** One of the type constants.

**Notes:** A cell with text labels from a shared storage.

**TypeNumber = 2**

const from class XLSCellMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** One of the type constants.

**Notes:** A cell with a number.

**TypeOther = 5**

const from class XLSCellMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** One of the type constants.

**Notes:** A cell with an other type.

**TypeUnknown = 0**

const from class XLSCellMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, not console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** One of the type constants.

**Notes:** An unknown cell type.

## 2.6 class XLSFormatRecordMBS

**class XLSFormatRecordMBS**

class, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The class for a format record.

## 2.6.1 Methods

### Close

method from class XLSFormatRecordMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The destructor.

## 2.6.2 Properties

### Format as String

property from class XLSFormatRecordMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The format string for this format.

**Notes:** (Read and Write property)

### Index as Integer

property from class XLSFormatRecordMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The internal index of this format record.

**Notes:** (Read and Write property)

### Type as Integer

property from class XLSFormatRecordMBS, XLS, MBS REALbasic XLS Plugin (XLS), Plugin version: 10.4, console safe, Mac OS X: Works, Windows: Works, Linux x86: Works.

**Function:** The type of this format record.

**Notes:** (Read and Write property)

## Chapter 3

### List of all classes

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