

# MBS Real Studio XL Plugin Documentation

Christian Schmitz

May 15, 2012

## 0.1 Introduction

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

## 0.2 Content

- 1 List of all topics 3
- 2 All items in this plugin 17
- 3 List of all classes 117

# Chapter 1

## List of Topics

• 2 XL	17
– 2.1 class XLSheetMBS	17
* 2.1.1 AddrToRowCol(addr as string, byref row as integer, byref col as integer, byref rowRelative as boolean, byref colRelative as boolean)	17
* 2.1.1 CellFormat(row as integer, col as integer) as XLFormatMBS	18
* 2.1.1 CellType(row as integer, col as integer) as integer	18
* 2.1.1 Clear(rowFirst as integer = 0, rowLast as integer = 1048575, colFirst as integer = 0, colLast as integer = 16383)	18
* 2.1.1 ClearPrintArea	18
* 2.1.1 ClearPrintRepeats	18
* 2.1.1 ColHidden(col as integer) as boolean	19
* 2.1.1 ColWidth(col as integer) as double	19
* 2.1.1 Constructor	19
* 2.1.1 CopyCell(rowSrc as integer, colSrc as integer, rowDst as integer, colDst as integer) as boolean	19
* 2.1.1 DelMerge(row as integer, col as integer) as boolean	19
* 2.1.1 DelNamedRange(name as string) as boolean	19
* 2.1.1 DisplayGridlines as boolean	20
* 2.1.1 FirstCol as integer	20
* 2.1.1 FirstRow as integer	20
* 2.1.1 Footer as string	20
* 2.1.1 FooterMargin as double	21
* 2.1.1 GetHorPageBreak(index as integer) as integer	21
* 2.1.1 GetHorPageBreakCount as integer	21
* 2.1.1 GetMerge(row as integer, col as integer, byref rowFirst as integer, byref rowLast as integer, byref colFirst as integer, byref colLast as integer) as boolean	22

* 2.1.1 GetNamedRange(name as string, byref rowFirst as integer, byref rowLast as integer, byref colFirst as integer, byref colLast as integer) as boolean	22
* 2.1.1 GetPicture(index as integer, byref rowTop as integer, byref colLeft as integer, byref rowBottom as integer, byref colRight as integer, byref width as integer, byref height as integer, byref offsetX as integer, byref offsetY as integer) as integer	22
* 2.1.1 GetPrintFit(byref wPages as integer, byref hPages as integer) as boolean	23
* 2.1.1 GetTopLeftView(byref row as integer, byref col as integer)	23
* 2.1.1 GetVerPageBreak(index as integer) as integer	23
* 2.1.1 GetVerPageBreakCount as integer	24
* 2.1.1 GroupCols(colFirst as integer, colLast as integer, collapsed as boolean = true) as boolean	24
* 2.1.1 GroupRows(rowFirst as integer, rowLast as integer, collapsed as boolean = true) as boolean	24
* 2.1.1 GroupSummaryBelow as boolean	24
* 2.1.1 GroupSummaryRight as boolean	24
* 2.1.1 HCenter as boolean	25
* 2.1.1 Header as string	25
* 2.1.1 HeaderMargin as double	26
* 2.1.1 Hidden as Integer	26
* 2.1.1 InsertCol(colFirst as integer, colLast as integer) as boolean	26
* 2.1.1 InsertRow(rowFirst as integer, rowLast as integer) as boolean	26
* 2.1.1 IsDate(row as integer, col as integer) as boolean	26
* 2.1.1 IsFormula(row as integer, col as integer) as boolean	27
* 2.1.1 Landscape as boolean	27
* 2.1.1 LastCol as integer	27
* 2.1.1 LastRow as integer	27
* 2.1.1 MarginBottom as double	27
* 2.1.1 MarginLeft as double	28
* 2.1.1 MarginRight as double	28
* 2.1.1 MarginTop as double	28
* 2.1.1 Name as string	28
* 2.1.1 NamedRange(index as integer, byref rowFirst as integer, byref rowLast as integer, byref ColFirst as integer, byref ColLast as integer) as string	28
* 2.1.1 NamedRangeCount as integer	29
* 2.1.1 Paper as integer	29
* 2.1.1 PictureCount as integer	29
* 2.1.1 PrintGridlines as boolean	29
* 2.1.1 PrintRowCol as boolean	29
* 2.1.1 PrintZoom as integer	30
* 2.1.1 Protect as boolean	30
* 2.1.1 ReadBlank(row as integer, col as integer) as boolean	30
* 2.1.1 ReadBlank(row as integer, col as integer, byref format as XLFormatMBS) as boolean	30

* 2.1.1 ReadBoolean(row as integer, col as integer) as boolean	30
* 2.1.1 ReadBoolean(row as integer, col as integer, byref format as XLFormatMBS) as boolean	31
* 2.1.1 ReadComment(row as integer, col as integer) as string	31
* 2.1.1 ReadError(row as integer, col as integer) as integer	31
* 2.1.1 ReadFormula(row as integer, col as integer) as string	31
* 2.1.1 ReadFormula(row as integer, col as integer, byref format as XLFormatMBS) as string	32
* 2.1.1 ReadNumber(row as integer, col as integer) as double	32
* 2.1.1 ReadNumber(row as integer, col as integer, byref format as XLFormatMBS) as double	32
* 2.1.1 ReadString(row as integer, col as integer) as string	32
* 2.1.1 ReadString(row as integer, col as integer, byref format as XLFormatMBS) as string	33
* 2.1.1 RemoveCol(colFirst as integer, colLast as integer) as boolean	33
* 2.1.1 RemoveRow(rowFirst as integer, rowLast as integer) as boolean	33
* 2.1.1 RowColToAddr(row as integer, col as integer, rowRelative as boolean = true, colRelative as boolean = true) as string	33
* 2.1.1 RowHeight(row as integer) as double	34
* 2.1.1 RowHidden(row as integer) as boolean	34
* 2.1.1 SetCol(colFirst as integer, colLast as integer, width as double, format as XLFormatMBS = nil, hidden as boolean = false) as boolean	34
* 2.1.1 SetFooter(footer as double, margin as double) as boolean	34
* 2.1.1 SetHeader(header as double, margin as double) as boolean	35
* 2.1.1 SetHorPageBreak(row as integer, pageBreak as boolean = true) as boolean	36
* 2.1.1 SetMerge(rowFirst as integer, rowLast as integer, colFirst as integer, colLast as integer) as boolean	36
* 2.1.1 SetNamedRange(name as string, rowFirst as integer, rowLast as integer, colFirst as integer, colLast as integer) as boolean	37
* 2.1.1 SetPicture(row as integer, col as integer, PictureID as integer, scale as double = 1.0)	37
* 2.1.1 SetPicture(row as integer, col as integer, PictureID as integer, width as integer, height as integer)	37
* 2.1.1 SetPrintArea(rowFirst as integer, rowLast as integer, colFirst as integer, colLast as integer)	37
* 2.1.1 SetPrintFit(wPages as integer, hPages as integer)	37
* 2.1.1 SetPrintRepeatCols(colFirst as integer, colLast as integer)	38
* 2.1.1 SetPrintRepeatRows(rowFirst as integer, rowLast as integer)	38
* 2.1.1 SetRow(row as integer, height as double, format as XLFormatMBS = nil, hidden as boolean = false) as boolean	38
* 2.1.1 SetTopLeftView(row as integer, col as integer)	38
* 2.1.1 SetVerPageBreak(row as integer, pageBreak as boolean = true) as boolean	39
* 2.1.1 Split(row as integer, col as integer)	39
* 2.1.1 VCenter as boolean	39
* 2.1.1 WriteBlank(row as integer, col as integer, format as XLFormatMBS = nil) as boolean	39

* 2.1.1 WriteBoolean(row as integer, col as integer, value as boolean, format as XLFormatMBS = nil) as boolean	39
* 2.1.1 WriteComment(row as integer, col as integer, value as string, author as string, width as integer, height as integer)	40
* 2.1.1 WriteFormula(row as integer, col as integer, value as string, format as XLFormatMBS = nil) as boolean	40
* 2.1.1 WriteNumber(row as integer, col as integer, value as double, format as XLFormatMBS = nil) as boolean	40
* 2.1.1 WriteString(row as integer, col as integer, value as string, format as XLFormatMBS = nil) as boolean	41
* 2.1.1 Zoom as integer	41
* 2.1.2 Handle as Integer	41
* 2.1.2 Owner as Variant	41
* 2.1.3 CellTypeBlank = 4	42
* 2.1.3 CellTypeBoolean = 3	42
* 2.1.3 CellTypeEmpty = 0	42
* 2.1.3 CellTypeError = 5	42
* 2.1.3 CellTypeNumber = 1	42
* 2.1.3 CellTypeString = 2	43
* 2.1.3 ErrorTypeDiv0 = 7	43
* 2.1.3 ErrorTypeNA = & h2A	43
* 2.1.3 ErrorTypeName = & h1D	43
* 2.1.3 ErrorTypeNull = 0	43
* 2.1.3 ErrorTypeNum = & h24	44
* 2.1.3 ErrorTypeRef = & h17	44
* 2.1.3 ErrorTypeValue = & h0F	44
* 2.1.3 Paper10X11 = 45	44
* 2.1.3 Paper10X14 = 16	44
* 2.1.3 Paper10X17 = 17	45
* 2.1.3 Paper12X11 = 90	45
* 2.1.3 Paper15X11 = 46	45
* 2.1.3 Paper9X11 = 44	45
* 2.1.3 PaperA2 = 66	45
* 2.1.3 PaperA3 = 8	45
* 2.1.3 PaperA3Extra = 63	46
* 2.1.3 PaperA3ExtraTransverse = 68	46
* 2.1.3 PaperA3Rotated = 76	46
* 2.1.3 PaperA3Transverse = 67	46
* 2.1.3 PaperA4 = 9	46
* 2.1.3 PaperA4Extra = 53	46
* 2.1.3 PaperA4Plus = 60	47
* 2.1.3 PaperA4Rotated = 77	47

* 2.1.3 PaperA4Small = 10	47
* 2.1.3 PaperA4Transverse = 55	47
* 2.1.3 PaperA5 = 11	47
* 2.1.3 PaperA5Extra = 64	47
* 2.1.3 PaperA5Rotated = 78	48
* 2.1.3 PaperA5Transverse = 61	48
* 2.1.3 PaperA6 = 70	48
* 2.1.3 PaperA6Rotated = 83	48
* 2.1.3 PaperB4 = 12	48
* 2.1.3 PaperB4Iso = 42	48
* 2.1.3 PaperB4Rotated = 79	49
* 2.1.3 PaperB5 = 13	49
* 2.1.3 PaperB5Extra = 65	49
* 2.1.3 PaperB5Rotated = 80	49
* 2.1.3 PaperB5Transverse = 62	49
* 2.1.3 PaperB6 = 88	49
* 2.1.3 PaperB6Rotated = 89	50
* 2.1.3 PaperCSize = 24	50
* 2.1.3 PaperDefault = 0	50
* 2.1.3 PaperDoubleJapanesePostcardRotated = 82	50
* 2.1.3 PaperDSize = 25	50
* 2.1.3 PaperEnvelope = 36	50
* 2.1.3 PaperEnvelope10 = 20	51
* 2.1.3 PaperEnvelope11 = 21	51
* 2.1.3 PaperEnvelope12 = 22	51
* 2.1.3 PaperEnvelope14 = 23	51
* 2.1.3 PaperEnvelope9 = 19	51
* 2.1.3 PaperEnvelopeB4 = 33	52
* 2.1.3 PaperEnvelopeB5 = 34	52
* 2.1.3 PaperEnvelopeB6 = 35	52
* 2.1.3 PaperEnvelopeC3 = 29	52
* 2.1.3 PaperEnvelopeC4 = 30	52
* 2.1.3 PaperEnvelopeC5 = 28	53
* 2.1.3 PaperEnvelopeC6 = 31	53
* 2.1.3 PaperEnvelopeC65 = 32	53
* 2.1.3 PaperEnvelopeDL = 27	53
* 2.1.3 PaperEnvelopeInvite = 47	53
* 2.1.3 PaperEnvelopeMonarch = 37	54
* 2.1.3 PaperESize = 26	54
* 2.1.3 PaperExecutive = 7	54
* 2.1.3 PaperFanfold = 39	54
* 2.1.3 PaperFolio = 14	54

* 2.1.3 PaperGermanLegalFanfold = 41	55
* 2.1.3 PaperGermanStdFanfold = 40	55
* 2.1.3 PaperJapaneseDoublePostcard = 69	55
* 2.1.3 PaperJapaneseEnvelopeChou3 = 73	55
* 2.1.3 PaperJapaneseEnvelopeChou3Rotated = 86	55
* 2.1.3 PaperJapaneseEnvelopeChou4 = 74	55
* 2.1.3 PaperJapaneseEnvelopeChou4Rotated = 87	56
* 2.1.3 PaperJapaneseEnvelopeKaku2 = 71	56
* 2.1.3 PaperJapaneseEnvelopeKaku2Rotated = 84	56
* 2.1.3 PaperJapaneseEnvelopeKaku3 = 72	56
* 2.1.3 PaperJapaneseEnvelopeKaku3Rotated = 85	56
* 2.1.3 PaperJapaneseEnvelopeYou4 = 91	56
* 2.1.3 PaperJapaneseEnvelopeYou4Rotated = 92	57
* 2.1.3 PaperJapanesePostcard = 43	57
* 2.1.3 PaperJapanesePostcardRotated = 81	57
* 2.1.3 PaperLedger = 4	57
* 2.1.3 PaperLegal = 5	57
* 2.1.3 PaperLetter = 1	57
* 2.1.3 PaperLetterExtraTransverse = 56	58
* 2.1.3 PaperLetterRotated = 75	58
* 2.1.3 PaperLetterSmall = 2	58
* 2.1.3 PaperLetterTransverse = 54	58
* 2.1.3 PaperNote = 18	58
* 2.1.3 PaperPrc16K = 93	59
* 2.1.3 PaperPrc16KRotated = 106	59
* 2.1.3 PaperPrc32K = 94	59
* 2.1.3 PaperPrc32KBig = 95	59
* 2.1.3 PaperPrc32KbigRotated = 108	59
* 2.1.3 PaperPrc32KRotated = 107	59
* 2.1.3 PaperPrcEnvelope1 = 96	60
* 2.1.3 PaperPrcEnvelope10 = 105	60
* 2.1.3 PaperPrcEnvelope10Rotated = 118	60
* 2.1.3 PaperPrcEnvelope1Rotated = 109	60
* 2.1.3 PaperPrcEnvelope2 = 97	60
* 2.1.3 PaperPrcEnvelope2Rotated = 110	60
* 2.1.3 PaperPrcEnvelope3 = 98	61
* 2.1.3 PaperPrcEnvelope3Rotated = 111	61
* 2.1.3 PaperPrcEnvelope4 = 99	61
* 2.1.3 PaperPrcEnvelope4Rotated = 112	61
* 2.1.3 PaperPrcEnvelope5 = 100	61
* 2.1.3 PaperPrcEnvelope5Rotated = 113	61
* 2.1.3 PaperPrcEnvelope6 = 101	62

* 2.1.3 PaperPrcEnvelope6Rotated = 114	62
* 2.1.3 PaperPrcEnvelope7 = 102	62
* 2.1.3 PaperPrcEnvelope7Rotated = 115	62
* 2.1.3 PaperPrcEnvelope8 = 103	62
* 2.1.3 PaperPrcEnvelope8Rotated = 116	62
* 2.1.3 PaperPrcEnvelope9 = 104	63
* 2.1.3 PaperPrcEnvelope9Rotated = 117	63
* 2.1.3 PaperQuatro = 15	63
* 2.1.3 PaperStatement = 6	63
* 2.1.3 PaperSupera = 57	63
* 2.1.3 PaperSuperb = 58	63
* 2.1.3 PaperTabloid = 3	64
* 2.1.3 PaperUSEnvelope = 38	64
* 2.1.3 PaperUSLegalExtra = 51	64
* 2.1.3 PaperUSLetterExtra = 50	64
* 2.1.3 PaperUSLetterPlus = 59	64
* 2.1.3 PaperUSTabloidExtra = 52	64
* 2.1.3 SheetStateHidden = 1	65
* 2.1.3 SheetStateVeryHidden = 2	65
* 2.1.3 SheetStateVisible = 0	65
– 2.4 class XLFormatMBS	93
* 2.4.1 AlignH as integer	93
* 2.4.1 AlignV as integer	93
* 2.4.1 BorderBottom as integer	94
* 2.4.1 BorderBottomColor as integer	94
* 2.4.1 BorderDiagonal as integer	94
* 2.4.1 BorderDiagonalColor as integer	94
* 2.4.1 BorderDiagonalStyle as integer	94
* 2.4.1 BorderLeft as integer	95
* 2.4.1 BorderLeftColor as integer	95
* 2.4.1 BorderRight as integer	95
* 2.4.1 BorderRightColor as integer	95
* 2.4.1 BorderTop as integer	96
* 2.4.1 BorderTopColor as integer	96
* 2.4.1 Constructor	96
* 2.4.1 FillPattern as integer	96
* 2.4.1 Font as XLFontMBS	96
* 2.4.1 Hidden as boolean	97
* 2.4.1 Indent as integer	97
* 2.4.1 Locked as boolean	97
* 2.4.1 NumFormat as integer	97

* 2.4.1 PatternBackgroundColor as integer	98
* 2.4.1 PatternForegroundColor as integer	98
* 2.4.1 Rotation as integer	98
* 2.4.1 SetBorder(border as integer = 1)	98
* 2.4.1 SetBorderColor(ColorValue as integer)	99
* 2.4.1 SetFont(font as XLFontMBS) as boolean	99
* 2.4.1 SetRotation(rotation as integer) as boolean	99
* 2.4.1 ShrinkToFit as boolean	99
* 2.4.1 Wrap as boolean	99
* 2.4.2 Handle as Integer	100
* 2.4.2 Owner as Variant	100
* 2.4.3 AlignHCenter = 2	100
* 2.4.3 AlignHDistributed = 7	100
* 2.4.3 AlignHFill = 4	101
* 2.4.3 AlignHGeneral = 0	101
* 2.4.3 AlignHJustify = 5	101
* 2.4.3 AlignHLeft = 1	101
* 2.4.3 AlignHMerge = 6	101
* 2.4.3 AlignHRight = 3	102
* 2.4.3 AlignVBottom = 2	102
* 2.4.3 AlignVCenter = 1	102
* 2.4.3 AlignVDistributed = 4	102
* 2.4.3 AlignVJustify = 3	102
* 2.4.3 AlignVTop = 0	103
* 2.4.3 BorderDiagonalBoth = 3	103
* 2.4.3 BorderDiagonalDown = 1	103
* 2.4.3 BorderDiagonalNone = 0	103
* 2.4.3 BorderDiagonalUp = 2	103
* 2.4.3 BorderStyleDashdot = 9	103
* 2.4.3 BorderStyleDashdotdot = 11	104
* 2.4.3 BorderStyleDashed = 3	104
* 2.4.3 BorderStyleDotted = 4	104
* 2.4.3 BorderStyleDouble = 6	104
* 2.4.3 BorderStyleHair = 7	104
* 2.4.3 BorderStyleMedium = 2	105
* 2.4.3 BorderStyleMediumdashdot = 10	105
* 2.4.3 BorderStyleMediumdashdotdot = 12	105
* 2.4.3 BorderStyleMediumdashed = 8	105
* 2.4.3 BorderStyleNone = 0	105
* 2.4.3 BorderStyleSlantdashdot = 13	106
* 2.4.3 BorderStyleThick = 5	106
* 2.4.3 BorderStyleThin = 1	106

* 2.4.3 FillPatternDiagcrosshatch = 9	106
* 2.4.3 FillPatternDiagstripe = 8	106
* 2.4.3 FillPatternGray12P5 = 17	106
* 2.4.3 FillPatternGray25 = 4	107
* 2.4.3 FillPatternGray50 = 2	107
* 2.4.3 FillPatternGray6P25 = 18	107
* 2.4.3 FillPatternGray75 = 3	107
* 2.4.3 FillPatternHorstripe = 5	107
* 2.4.3 FillPatternNone = 0	107
* 2.4.3 FillPatternRevdiagstripe = 7	108
* 2.4.3 FillPatternSolid = 1	108
* 2.4.3 FillPatternThickdiagcrosshatch = 10	108
* 2.4.3 FillPatternThinddiagcrosshatch = 16	108
* 2.4.3 FillPatternThinddiagstripe = 14	108
* 2.4.3 FillPatternThinhorcrosshatch = 15	108
* 2.4.3 FillPatternThinhorstripe = 11	109
* 2.4.3 FillPatternThinrevdiagstripe = 13	109
* 2.4.3 FillPatternThinverstripe = 12	109
* 2.4.3 FillPatternVerstripe = 6	109
* 2.4.3 NumformatAccount = 41	109
* 2.4.3 NumformatAccountcur = 42	110
* 2.4.3 NumformatAccountD2 = 43	110
* 2.4.3 NumformatAccountD2Cur = 44	110
* 2.4.3 NumformatCurrencyD2Negbra = 7	110
* 2.4.3 NumformatCurrencyD2NegbraRed = 8	110
* 2.4.3 NumformatCurrencyNegbra = 5	111
* 2.4.3 NumformatCurrencyNegbraRed = 6	111
* 2.4.3 NumformatCustom000P0EPlus0 = 48	111
* 2.4.3 NumformatCustomDMon = 16	111
* 2.4.3 NumformatCustomDMonYY = 15	111
* 2.4.3 NumformatCustomH0MMSS = 46	112
* 2.4.3 NumformatCustomHMM = 20	112
* 2.4.3 NumformatCustomHMMAM = 18	112
* 2.4.3 NumformatCustomHMMSS = 21	112
* 2.4.3 NumformatCustomHMMSSAM = 19	112
* 2.4.3 NumformatCustomMDYYYYHMM = 22	113
* 2.4.3 NumformatCustomMMSS = 45	113
* 2.4.3 NumformatCustomMMSS0 = 47	113
* 2.4.3 NumformatCustomMonYY = 17	113
* 2.4.3 NumformatDate = 14	113
* 2.4.3 NumformatFractionOneDig = 12	114
* 2.4.3 NumformatFractionTwoDig = 13	114

* 2.4.3 NumformatGeneral = 0	114
* 2.4.3 NumformatNumber = 1	114
* 2.4.3 NumformatNumberD2 = 2	114
* 2.4.3 NumformatNumberD2SepNegbra = 39	115
* 2.4.3 NumformatNumberD2SepNegbraRed = 40	115
* 2.4.3 NumformatNumberSep = 3	115
* 2.4.3 NumformatNumberSepD2 = 4	115
* 2.4.3 NumformatNumberSepNegbra = 37	115
* 2.4.3 NumformatNumberSepNegbraRed = 38	116
* 2.4.3 NumformatPercent = 9	116
* 2.4.3 NumformatPercentD2 = 10	116
* 2.4.3 NumformatScientificD2 = 11	116
* 2.4.3 NumformatText = 49	116
– 2.3 class XLFontMBS	79
* 2.3.1 Bold as Boolean	79
* 2.3.1 ColorValue as Integer	79
* 2.3.1 Constructor	79
* 2.3.1 Italic as Boolean	80
* 2.3.1 Name as string	80
* 2.3.1 Script as Integer	80
* 2.3.1 Size as Integer	80
* 2.3.1 StrikeOut as Boolean	80
* 2.3.1 Underline as integer	81
* 2.3.2 Handle as Integer	81
* 2.3.2 Owner as Variant	81
* 2.3.3 ColorAqua = 49	81
* 2.3.3 ColorAuto = & h7Fff	82
* 2.3.3 ColorBlack = 8	82
* 2.3.3 ColorBlue = 12	82
* 2.3.3 ColorBlueCl = 39	82
* 2.3.3 ColorBluegray = 54	82
* 2.3.3 ColorBrightgreen = 11	82
* 2.3.3 ColorBrown = 60	83
* 2.3.3 ColorCoralCf = 29	83
* 2.3.3 ColorDarkblue = 18	83
* 2.3.3 ColorDarkblueCl = 32	83
* 2.3.3 ColorDarkgreen = 58	83
* 2.3.3 ColorDarkpurpleCf = 28	83
* 2.3.3 ColorDarkred = 16	84
* 2.3.3 ColorDarkredCl = 37	84
* 2.3.3 ColorDarkteal = 56	84

* 2.3.3 ColorDarkyellow = 19	84
* 2.3.3 ColorDefaultBackground = 65	84
* 2.3.3 ColorDefaultForeground = 64	84
* 2.3.3 ColorGold = 51	85
* 2.3.3 ColorGray25 = 22	85
* 2.3.3 ColorGray40 = 55	85
* 2.3.3 ColorGray50 = 23	85
* 2.3.3 ColorGray80 = 63	85
* 2.3.3 ColorGreen = 17	85
* 2.3.3 ColorIceblueCf = 31	86
* 2.3.3 ColorIndigo = 62	86
* 2.3.3 ColorIvoryCf = 26	86
* 2.3.3 ColorLavender = 46	86
* 2.3.3 ColorLightblue = 48	86
* 2.3.3 ColorLightgreen = 42	86
* 2.3.3 ColorLightorange = 52	87
* 2.3.3 ColorLightturquoise = 41	87
* 2.3.3 ColorLightturquoiseCf = 27	87
* 2.3.3 ColorLightyellow = 43	87
* 2.3.3 ColorLime = 50	87
* 2.3.3 ColorOceanblueCf = 30	87
* 2.3.3 ColorOlivegreen = 59	88
* 2.3.3 ColorOrange = 53	88
* 2.3.3 ColorPaleblue = 44	88
* 2.3.3 ColorPeriwinkleCf = 24	88
* 2.3.3 ColorPink = 14	88
* 2.3.3 ColorPinkCl = 33	88
* 2.3.3 ColorPlum = 61	89
* 2.3.3 ColorPlumCf = 25	89
* 2.3.3 ColorRed = 10	89
* 2.3.3 ColorRose = 45	89
* 2.3.3 ColorSeagreen = 57	89
* 2.3.3 ColorSkyblue = 40	89
* 2.3.3 ColorTan = 47	90
* 2.3.3 ColorTeal = 21	90
* 2.3.3 ColorTealCl = 38	90
* 2.3.3 ColorTooltip 81	90
* 2.3.3 ColorTurquoise = 15	90
* 2.3.3 ColorTurquoiseCl = 35	90
* 2.3.3 ColorViolet = 20	91
* 2.3.3 ColorVioletCl = 36	91
* 2.3.3 ColorWhite = 9	91

* 2.3.3 ColorYellow = 13	91
* 2.3.3 ColorYellowCl = 34	91
* 2.3.3 ScriptNormal = 0	91
* 2.3.3 ScriptSub = 2	92
* 2.3.3 ScriptSuper = 1	92
* 2.3.3 UnderlineDouble = 2	92
* 2.3.3 UnderlineDoubleacc = & H22	92
* 2.3.3 UnderlineNone = 0	92
* 2.3.3 UnderlineSingle = 1	92
* 2.3.3 UnderlineSingleacc = & H21	93
– 2.2 class XLBookMBS	65
* 2.2.1 ActiveSheet as integer	66
* 2.2.1 AddCustomNumFormat(customNumFormat as string) as integer	66
* 2.2.1 AddFont(initFont as XLFontMBS = nil) as XLFontMBS	66
* 2.2.1 AddFormat(initFormat as XLFormatMBS = nil) as XLFormatMBS	66
* 2.2.1 AddPicture(path as folderitem) as integer	66
* 2.2.1 AddPicture(path as string) as integer	67
* 2.2.1 AddPictureData(data as string) as integer	67
* 2.2.1 AddSheet(name as string = "", initSheet as XLSheetMBS = nil) as XLSheetMBS	67
* 2.2.1 available as boolean	68
* 2.2.1 BiffVersion as integer	68
* 2.2.1 Constructor(xml as boolean = false)	68
* 2.2.1 CustomNumFormat(fmt as integer) as string	68
* 2.2.1 DefaultFont(byref fontSize as integer) as string	68
* 2.2.1 DelSheet(index as integer) as boolean	69
* 2.2.1 ErrorMessage as string	69
* 2.2.1 Font(index as integer) as XLFontMBS	69
* 2.2.1 FontCount as integer	69
* 2.2.1 Fonts as XLFontMBS()	69
* 2.2.1 Format(index as integer) as XLFormatMBS	69
* 2.2.1 FormatCount as integer	70
* 2.2.1 Formats as XLFormatMBS()	70
* 2.2.1 InsertSheet(index as integer, name as string = "", initSheet as XLSheetMBS = nil) as XLSheetMBS	70
* 2.2.1 Load(path as folderitem) as boolean	70
* 2.2.1 Load(path as string) as boolean	70
* 2.2.1 LoadRaw(data as string) as boolean	71
* 2.2.1 PackColor(ColorValue as color) as integer	71
* 2.2.1 PackColor(red as integer, green as integer, blue as integer) as integer	71
* 2.2.1 PackDate(d as date) as double	71
* 2.2.1 PackDate(year as integer, month as integer, day as integer, hour as integer = 0, min as integer = 0, sec as integer = 0, msec as integer = 0) as double	72

* 2.2.1 Picture(index as integer, byref data as string) as integer	72
* 2.2.1 PictureCount as integer	72
* 2.2.1 RefR1C1 as integer	72
* 2.2.1 RgbMode as boolean	73
* 2.2.1 Save(path as folderitem) as boolean	73
* 2.2.1 Save(path as string) as boolean	73
* 2.2.1 SaveRaw(byref data as string) as boolean	73
* 2.2.1 SetDefaultFont(fontName as string, fontSize as integer)	74
* 2.2.1 SetKey(name as string, key as string)	74
* 2.2.1 SetKeyGlobal(name as string, key as string)	74
* 2.2.1 SetLocale(locale as string)	74
* 2.2.1 Sheet(index as integer) as XLSheetMBS	74
* 2.2.1 SheetCount as integer	75
* 2.2.1 Sheets as XLSheetMBS()	75
* 2.2.1 UnpackColor(ColorValue as integer) as color	75
* 2.2.1 UnpackColor(ColorValue as integer, byref red as integer, byref green as integer, byref blue as integer)	75
* 2.2.1 UnpackDate(Value as double) as date	75
* 2.2.1 UnpackDate(Value as double, byref year as integer, byref month as integer, byref day as integer) as boolean	76
* 2.2.1 UnpackDate(Value as double, byref year as integer, byref month as integer, byref day as integer, byref hour as integer, byref min as integer, byref sec as integer) as boolean	76
* 2.2.1 UnpackDate(Value as double, byref year as integer, byref month as integer, byref day as integer, byref hour as integer, byref min as integer, byref sec as integer, byref msec as integer) as boolean	77
* 2.2.2 Handle as Integer	77
* 2.2.3 PictureTypeDIB = 3	77
* 2.2.3 PictureTypeEMF = 4	77
* 2.2.3 PictureTypeError = & hFF	78
* 2.2.3 PictureTypeJPEG = 1	78
* 2.2.3 PictureTypePICT = 5	78
* 2.2.3 PictureTypePNG = 0	78
* 2.2.3 PictureTypeTIFF = 6	78
* 2.2.3 PictureTypeWMF = 2	79



# Chapter 2

## XL

### 2.1 class XLSheetMBS

class XLSheetMBS

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The class for an Excel worksheet.

#### 2.1.1 Methods

**AddrToRowCol(addr as string, byref row as integer, byref col as integer, byref rowRelative as boolean, byref colRelative as boolean)**

Plugin Version: 12.2 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Converts a cell reference to row and column.

**Example:**

```
// create new xls file
dim book as new XLBookMBS(false)

// create sheet
dim sheet as XLSheetMBS = book.AddSheet("Sheet1")

dim row, col as integer
```

`dim rowRelative, colRelative as boolean`

```
sheet.AddrToRowCol("F7", row, col, rowRelative, colRelative)
MsgBox str(row)+" "+str(col) // shows 6 5
```

### **CellFormat(row as integer, col as integer) as XLFormatMBS**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The cell's format.  
**Notes:** (Read and Write computed property)

### **CellType(row as integer, col as integer) as integer**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Returns cell's type.  
**Notes:** See CellType constants.

### **Clear(rowFirst as integer = 0, rowLast as integer = 1048575, colFirst as integer = 0, colLast as integer = 16383)**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Clears cells in specified area.

### **ClearPrintArea**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Clears the print area.

### **ClearPrintRepeats**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Clears repeated rows and columns on each page.

**ColHidden(col as integer) as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Whether column is hidden.

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

**ColWidth(col as integer) as double**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Returns column width.

**Constructor**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The private constructor.

**CopyCell(rowSrc as integer, colSrc as integer, rowDst as integer, colDst as integer) as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Copies cell with format from (rowSrc, colSrc) to (rowDst, colDst).

**Notes:** Returns false if error occurs. Get error info with Book::errorMessage().

**DelMerge(row as integer, col as integer) as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Removes merged cells.

**Notes:** Returns false if error occurs. Get error info with Book::errorMessage().

**DelNamedRange(name as string) as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Deletes the named range by name.

**Notes:** Returns false if error occurs. Get error info with `Book::errorMessage()`.

### **DisplayGridlines as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Whether the gridlines are displayed.

**Notes:**

True if gridlines are displayed and false if aren't.  
(Read and Write computed property)

### **FirstCol as integer**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Returns the first column in the sheet that contains a used cell.

### **FirstRow as integer**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Returns the first row in the sheet that contains a used cell.

### **Footer as string**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The footer text of the sheet when printed.

**Notes:**

The footer text appears at the bottom of every page when printed. The length of the text must be less than or equal to 255. The footer text can contain special commands, for example a placeholder for the page number, current date or text formatting attributes. Margin is specified in inches.

Code	Description
& L	specifies the beginning of the left section
& P	specifies the current page number
& N	specifies the total number of pages
& \d { 1,3 }	specifies the text font size, where font size is measured in points, for example: & 9 or & 36
& S	specifies whether the strikethrough text style is on or off
& X	specifies whether the superscript text style is on or off
& Y	specifies whether the subscript text style is on or off
& C	specifies the beginning of the center section
& D	specifies a date
& T	specifies a time
& G	specifies a picture
& U	specifies whether the single underline text style is on or off
& E	specifies whether the double underline text style is on or off
& R	specifies the beginning of the right section
& Z	specifies a workbook file path
& F	specifies a workbook file name
& A	specifies a sheet name
& "fontname"	specifies the text font, for example: & "Comic Sans MS"
& B	specifies whether the bold text style is on or off
& I	specifies whether the italic text style is on or off
& &	specifies an ampersand character (& )

### FooterMargin as double

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The footer margin in inches.

### GetHorPageBreak(index as integer) as integer

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Returns row with horizontal page break at position index.

### GetHorPageBreakCount as integer

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Returns a number of horizontal page breaks in the sheet.

**GetMerge**(row as integer, col as integer, byref rowFirst as integer, byref rowLast as integer, byref colFirst as integer, byref colLast as integer) as boolean

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Gets merged cells for cell at row, col.

**Notes:**

Result is written in rowFirst, rowLast, colFirst, colLast.

Returns false if error occurs. Get error info with Book::errorMessage().

**GetNamedRange**(name as string, byref rowFirst as integer, byref rowLast as integer, byref colFirst as integer, byref colLast as integer) as boolean

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Gets the named range coordinates by name.

**Notes:** Returns false if specified named range isn't found or error occurs. Get error info with Book::errorMessage().

**GetPicture**(index as integer, byref rowTop as integer, byref colLeft as integer, byref rowBottom as integer, byref colRight as integer, byref width as integer, byref height as integer, byref offsetX as integer, byref offsetY as integer) as integer

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Returns a workbook picture index at position index in worksheet.

**Notes:**

Output parameters:

(rowTop, colLeft) - top left position of picture;

(rowBottom, colRight) - bottom right position of picture;

width - width of picture in pixels;

height - height of picture in pixels;

offset\_x - horizontal offset of picture in pixels;

offset\_y - vertical offset of picture in pixels.

Use XLBookMBS.getPicture() for extracting binary data of picture by workbook picture index.

Returns -1 if error occurs. Get error info with Book::errorMessage().

**GetPrintFit(byref wPages as integer, byref hPages as integer) as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Returns whether fit to page option is enabled.

**Notes:**

Output parameters:

wPages - number of pages the sheet width is fit to;

hPages - number of pages the sheet height is fit to.

**GetTopLeftView(byref row as integer, byref col as integer)**

Plugin Version: 12.2 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Extracts the first visible row and the leftmost visible column of the sheet.

**Example:**

```
// create new xls file
dim book as new XLBookMBS(false)

// create sheet
dim sheet as XLSheetMBS = book.AddSheet("Sheet1")

// set top left view
sheet.SetTopLeftView(2,3)

// read values
dim col, row as integer
sheet.GetTopLeftView(row, col)

MsgBox str(row)+"", "+str(col) // shows 2, 3
```

**GetVerPageBreak(index as integer) as integer**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Returns column with vertical page break at position index.

**GetVerPageBreakCount as integer**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Returns a number of vertical page breaks in the sheet.

**GroupCols(colFirst as integer, colLast as integer, collapsed as boolean = true) as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Groups columns from colFirst to colLast.

**Notes:** Returns false if error occurs. Get error info with Book::errorMessage().

**GroupRows(rowFirst as integer, rowLast as integer, collapsed as boolean = true) as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Groups rows from rowFirst to rowLast.

**Notes:** Returns false if error occurs. Get error info with Book::errorMessage().

**GroupSummaryBelow as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Whether grouping rows summary is below.

**Notes:**

True if summary is below and false if isn't.  
(Read and Write computed property)

**GroupSummaryRight as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Whether grouping columns summary is right.

**Notes:**

Returns true if summary is right and false if isn't.  
(Read and Write computed property)

**HCenter as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Whether the sheet is centered horizontally when printed.

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

**Header as string**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The header text of the sheet when printed.

**Notes:**

The text appears at the top of every page when printed. The length of the text must be less than or equal to 255. The header text can contain special commands, for example a placeholder for the page number, current date or text formatting attributes. Special commands are represented by single letter with a leading ampersand ("& "). Margin is specified in inches.

Code	Description
& L	specifies the beginning of the left section
& P	specifies the current page number
& N	specifies the total number of pages
& \d { 1,3 }	specifies the text font size, where font size is measured in points, for example: & 9 or & 36
& S	specifies whether the strikethrough text style is on or off
& X	specifies whether the superscript text style is on or off
& Y	specifies whether the subscript text style is on or off
& C	specifies the beginning of the center section
& D	specifies a date
& T	specifies a time
& G	specifies a picture
& U	specifies whether the single underline text style is on or off
& E	specifies whether the double underline text style is on or off
& R	specifies the beginning of the right section
& Z	specifies a workbook file path
& F	specifies a workbook file name
& A	specifies a sheet name
& "fontname"	specifies the text font, for example: & "Comic Sans MS"
& B	specifies whether the bold text style is on or off
& I	specifies whether the italic text style is on or off
& &	specifies an ampersand character (& )

**HeaderMargin as double**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The header margin in inches.

**Hidden as Integer**

Plugin Version: 12.1 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Specifies the visible state of this sheet.

**Notes:**

See constants: SheetStateHidden, SheetStateVeryHidden, SheetStateVisible.  
(Read and Write computed property)

**InsertCol(colFirst as integer, colLast as integer) as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Inserts columns from colFirst to colLast.

**Notes:** Returns false if error occurs. Get error info with Book::errorMessage().

**InsertRow(rowFirst as integer, rowLast as integer) as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Inserts rows from rowFirst to rowLast.

**Notes:** Returns false if error occurs. Get error info with Book::errorMessage().

**IsDate(row as integer, col as integer) as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Checks that cell contains a date or time value.

**IsFormula(row as integer, col as integer) as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Checks that cell contains a formula.

**Landscape as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Whether to use landscape or portrait mode for printing.

**Notes:**

true - pages are printed using landscape mode, false - pages are printed using portrait mode.  
(Read and Write computed property)

**LastCol as integer**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Returns the zero-based index of the column after the last column in the sheet that contains a used cell.

**LastRow as integer**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Returns the zero-based index of the row after the last row in the sheet that contains a used cell.

**MarginBottom as double**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The bottom margin of the sheet in inches.

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

**MarginLeft as double**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The left margin of the sheet in inches.

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

**MarginRight as double**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The right margin of the sheet in inches.

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

**MarginTop as double**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The top margin of the sheet in inches.

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

**Name as string**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The name of the sheet.

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

**NamedRange(index as integer, byref rowFirst as integer, byref rowLast as integer, byref ColFirst as integer, byref ColLast as integer) as string**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Gets the named range coordinates by index.

**NamedRangeCount as integer**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Returns the number of named ranges in the sheet.

**Paper as integer**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The paper size.  
**Notes:**

See Paper\* constants.  
(Read and Write computed property)

**PictureCount as integer**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Returns a number of pictures in this worksheet.

**PrintGridlines as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Whether the gridlines are printed.  
**Notes:**

True if gridlines are printed and false if aren't.  
(Read and Write computed property)

**PrintRowCol as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Whether the row and column headers are printed.  
**Notes:** (Read and Write computed property)

**PrintZoom as integer**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Scaling factor for printing as a percentage.

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

**Protect as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Whether sheet is protected.

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

**ReadBlank(row as integer, col as integer) as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Reads format from blank cell.

**Notes:** Returns false if specified cell isn't blank or error occurs. Get error info with `Book::errorMessage()`. See also:

- 2.1.1 `ReadBlank(row as integer, col as integer, byref format as XLFormatMBS) as boolean` 30

**ReadBlank(row as integer, col as integer, byref format as XLFormatMBS) as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Reads format from blank cell.

**Notes:** Returns false if specified cell isn't blank or error occurs. Get error info with `Book::errorMessage()`. See also:

- 2.1.1 `ReadBlank(row as integer, col as integer) as boolean` 30

**ReadBoolean(row as integer, col as integer) as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Reads a boolean value and its format from cell.

**Notes:** If nil format is returned then an error occurred. Get error info with `Book::errorMessage()`.

See also:

- 2.1.1 ReadBoolean(row as integer, col as integer, byref format as XLFormatMBS) as boolean 31

### ReadBoolean(row as integer, col as integer, byref format as XLFormatMBS) as boolean

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Reads a boolean value and its format from cell.

**Notes:** If nil format is returned then an error occurred. Get error info with Book::errorMessage().

See also:

- 2.1.1 ReadBoolean(row as integer, col as integer) as boolean 30

### ReadComment(row as integer, col as integer) as string

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Reads a comment from specified cell.

### ReadError(row as integer, col as integer) as integer

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Reads error from cell.

**Notes:** See ErrorType\* constants.

### ReadFormula(row as integer, col as integer) as string

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Reads a formula string and its format from cell.

**Notes:** Returns nil if specified cell doesn't contain formula or error occurs. Get error info with Book::errorMessage().

See also:

- 2.1.1 ReadFormula(row as integer, col as integer, byref format as XLFormatMBS) as string 32

**ReadFormula(row as integer, col as integer, byref format as XLFormatMBS) as string**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Reads a formula string and its format from cell.

**Notes:** Returns nil if specified cell doesn't contain formula or error occurs. Get error info with Book::errorMessage().

See also:

- 2.1.1 ReadFormula(row as integer, col as integer) as string 31

**ReadNumber(row as integer, col as integer) as double**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Reads a number or date/time and its format from cell.

**Notes:**

Use XLBookMBS.dateUnpack() for extract date/time parts from double.

If format is returned as nil, then error occurs. Get error info with Book::errorMessage().

See also:

- 2.1.1 ReadNumber(row as integer, col as integer, byref format as XLFormatMBS) as double 32

**ReadNumber(row as integer, col as integer, byref format as XLFormatMBS) as double**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Reads a number or date/time and its format from cell.

**Notes:**

Use XLBookMBS.dateUnpack() for extract date/time parts from double.

If format is returned as nil, then error occurs. Get error info with Book::errorMessage().

See also:

- 2.1.1 ReadNumber(row as integer, col as integer) as double 32

**ReadString(row as integer, col as integer) as string**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Reads a string and its format from cell.

**Notes:** Returns "" if specified cell doesn't contain string or error occurs. Get error info with Book::errorMessage().

See also:

- 2.1.1 ReadString(row as integer, col as integer, byref format as XLFormatMBS) as string 33

### ReadString(row as integer, col as integer, byref format as XLFormatMBS) as string

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Reads a string and its format from cell.

**Notes:** Returns "" if specified cell doesn't contain string or error occurs. Get error info with Book::errorMessage().

See also:

- 2.1.1 ReadString(row as integer, col as integer) as string 32

### RemoveCol(colFirst as integer, colLast as integer) as boolean

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Removes columns from colFirst to colLast.

**Notes:** Returns false if error occurs. Get error info with Book::errorMessage().

### RemoveRow(rowFirst as integer, rowLast as integer) as boolean

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Removes rows from rowFirst to rowLast.

**Notes:** Returns false if error occurs. Get error info with Book::errorMessage().

### RowColToAddr(row as integer, col as integer, rowRelative as boolean = true, colRelative as boolean = true) as string

Plugin Version: 12.2 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Converts row and column to a cell reference.

**Example:**

```
// create new xls file
dim book as new XLBookMBS(false)

// create sheet
dim sheet as XLSheetMBS = book.AddSheet("Sheet1")

MsgBox sheet.RowColToAddr(5,5) // shows F6
MsgBox sheet.RowColToAddr(5,5,false,false) // shows $ F$ 6
```

### **RowHeight(row as integer) as double**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Returns row height.

### **RowHidden(row as integer) as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Whether row is hidden.

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

### **SetCol(colFirst as integer, colLast as integer, width as double, format as XLFormatMBS = nil, hidden as boolean = false) as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Sets column width and format for all columns from colFirst to colLast.

**Notes:** If format is nil then format is ignored. Columns may be hidden. Returns false if error occurs. Get error info with Book::errorMessage().

### **SetFooter(footer as double, margin as double) as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Sets the footer text for the sheet when printed.

**Notes:**

The footer text appears at the bottom of every page when printed. The length of the text must be less

than or equal to 255. The footer text can contain special commands, for example a placeholder for the page number, current date or text formatting attributes. See `setHeader` for details. Margin is specified in inches.

Code	Description
& L	specifies the beginning of the left section
& P	specifies the current page number
& N	specifies the total number of pages
& \d { 1,3 }	specifies the text font size, where font size is measured in points, for example: & 9 or & 36
& S	specifies whether the strikethrough text style is on or off
& X	specifies whether the superscript text style is on or off
& Y	specifies whether the subscript text style is on or off
& C	specifies the beginning of the center section
& D	specifies a date
& T	specifies a time
& G	specifies a picture
& U	specifies whether the single underline text style is on or off
& E	specifies whether the double underline text style is on or off
& R	specifies the beginning of the right section
& Z	specifies a workbook file path
& F	specifies a workbook file name
& A	specifies a sheet name
& "fontname"	specifies the text font, for example: & "Comic Sans MS"
& B	specifies whether the bold text style is on or off
& I	specifies whether the italic text style is on or off
& &	specifies an ampersand character (& )

### **SetHeader(header as double, margin as double) as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Sets the header text of the sheet when printed.

#### **Notes:**

The text appears at the top of every page when printed. The length of the text must be less than or equal to 255. The header text can contain special commands, for example a placeholder for the page number, current date or text formatting attributes. Special commands are represented by single letter with a leading ampersand ("& "). Margin is specified in inches.

Code	Description
& L	specifies the beginning of the left section
& P	specifies the current page number
& N	specifies the total number of pages
& \d { 1,3 }	specifies the text font size, where font size is measured in points, for example: & 9 or & 36
& S	specifies whether the strikethrough text style is on or off
& X	specifies whether the superscript text style is on or off
& Y	specifies whether the subscript text style is on or off
& C	specifies the beginning of the center section
& D	specifies a date
& T	specifies a time
& G	specifies a picture
& U	specifies whether the single underline text style is on or off
& E	specifies whether the double underline text style is on or off
& R	specifies the beginning of the right section
& Z	specifies a workbook file path
& F	specifies a workbook file name
& A	specifies a sheet name
& "fontname"	specifies the text font, for example: & "Comic Sans MS"
& B	specifies whether the bold text style is on or off
& I	specifies whether the italic text style is on or off
& &	specifies an ampersand character (& )

### **SetHorPageBreak(row as integer, pageBreak as boolean = true) as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Sets/removes a horizontal page break.

**Notes:** Returns false if error occurs. Get error info with Book::errorMessage().

### **SetMerge(rowFirst as integer, rowLast as integer, colFirst as integer, colLast as integer) as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Sets merged cells for range: rowFirst - rowLast, colFirst - colLast.

**Notes:** Returns false if error occurs. Get error info with Book::errorMessage().

**SetNamedRange**(name as string, rowFirst as integer, rowLast as integer, colFirst as integer, colLast as integer) as boolean

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Sets the named range.

**Notes:** Returns false if error occurs. Get error info with Book::errorMessage().

**SetPicture**(row as integer, col as integer, PictureID as integer, scale as double = 1.0)

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Sets a picture with pictureId identifier at position row and col with scale factor.

**Notes:** Use XLBookMBS.addPicture() for getting picture identifier.

See also:

- 2.1.1 SetPicture(row as integer, col as integer, PictureID as integer, width as integer, height as integer) 37

**SetPicture**(row as integer, col as integer, PictureID as integer, width as integer, height as integer)

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Sets a picture with pictureId identifier at position row and col with custom size.

**Notes:** Use XLBookMBS.addPicture() for getting a picture identifier.

See also:

- 2.1.1 SetPicture(row as integer, col as integer, PictureID as integer, scale as double = 1.0) 37

**SetPrintArea**(rowFirst as integer, rowLast as integer, colFirst as integer, colLast as integer)

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Sets the print area.

**SetPrintFit**(wPages as integer, hPages as integer)

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Fits sheet width and sheet height to wPages and hPages respectively.

**SetPrintRepeatCols(colFirst as integer, colLast as integer)**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Sets repeated columns on each page from colFirst to colLast.

**SetPrintRepeatRows(rowFirst as integer, rowLast as integer)**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Sets repeated rows on each page from rowFirst to rowLast.

**SetRow(row as integer, height as double, format as XLFormatMBS = nil, hidden as boolean = false) as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Sets row height and format.

**Notes:** If format is nil then format is ignored. Row may be hidden. Returns false if error occurs. Get error info with Book::errorMessage().

**SetTopLeftView(row as integer, col as integer)**

Plugin Version: 12.2 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Sets the first visible row and the leftmost visible column of the sheet.

**Example:**

```
// create new xls file
dim book as new XLBookMBS(false)

// create sheet
dim sheet as XLSheetMBS = book.AddSheet("Sheet1")

// set top left view
sheet.SetTopLeftView(2,3)

// read values
dim col, row as integer
sheet.GetTopLeftView(row, col)

MsgBox str(row)+"", " "+str(col) // shows 2, 3
```

**SetVerPageBreak(row as integer, pageBreak as boolean = true) as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Sets/removes a vertical page break.

**Notes:** Returns false if error occurs. Get error info with Book::errorMessage().

**Split(row as integer, col as integer)**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Splits a sheet at position (row, col).

**VCenter as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Whether the sheet is centered vertically when printed.

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

**WriteBlank(row as integer, col as integer, format as XLFormatMBS = nil) as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Writes blank cell with specified format.

**Notes:** Returns false if error occurs. Get error info with Book::errorMessage().

**WriteBoolean(row as integer, col as integer, value as boolean, format as XLFormatMBS = nil) as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Writes a bool value into cell with specified format.

**Notes:**

If format is nil then format is ignored.

Returns false if error occurs. Get error info with `Book::errorMessage()`.

**WriteComment**(row as integer, col as integer, value as string, author as string, width as integer, height as integer)

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Writes a comment to the cell.

**Notes:**

row and col: cell's position

value: comment string

author: author string

width: width of text box in pixels

height: height of text box in pixels

**WriteFormula**(row as integer, col as integer, value as string, format as `XLFormatMBS = nil`) as boolean

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Writes a formula into cell with specified format.

**Notes:** If format is nil then format is ignored. Returns false if error occurs. Get error info with `Book::errorMessage()`.

**WriteNumber**(row as integer, col as integer, value as double, format as `XLFormatMBS = nil`) as boolean

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Writes a number or date/time into cell with specified format.

**Notes:**

If format is nil then format is ignored. Use `XLBookMBS.datePack()` for packing date/time parts to double. Returns false if error occurs. Get error info with `Book::errorMessage()`.

**WriteString**(row as integer, col as integer, value as string, format as XLFormatMBS = nil) as boolean

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Writes a string into cell with specified format.

**Notes:**

If format is nil then format is ignored.

Returns false if error occurs. Get error info with Book::errorMessage().

**Zoom as integer**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The zoom level of the current view.

**Notes:**

100 is a usual view.

(Read and Write computed property)

## 2.1.2 Properties

**Handle as Integer**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The internal object reference.

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

**Owner as Variant**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The object owning this sheet object.

**Notes:**

As a sheet is only valid with the owning book, we keep a back reference here.

(Read only property)

### 2.1.3 Constants

#### CellTypeBlank = 4

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the cell type constants.

**Notes:** blank

#### CellTypeBoolean = 3

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the cell type constants.

**Notes:** boolean value

#### CellTypeEmpty = 0

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the cell type constants.

**Notes:** empty

#### CellTypeError = 5

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the cell type constants.

**Notes:** error

#### CellTypeNumber = 1

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the cell type constants.

**Notes:** number value

**CellTypeString = 2**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the cell type constants.

**Notes:** string value

**ErrorTypeDiv0 = 7**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the error type constants.

**Notes:** DIV/0!

**ErrorTypeNA = & h2A**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the error type constants.

**Notes:** N/A

**ErrorTypeName = & h1D**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the error type constants.

**Notes:** NAME?

**ErrorTypeNull = 0**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the error type constants.

**Notes:** NULL!

**ErrorTypeNum = & h24**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the error type constants.

**Notes:** NUM!

**ErrorTypeRef = & h17**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the error type constants.

**Notes:** REF!

**ErrorTypeValue = & h0F**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the error type constants.

**Notes:** VALUE!

**Paper10X11 = 45**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Paper10X14 = 16**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Notes:** 10 x 14 in

**Paper10X17 = 17**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Notes:** 11 x 17 in

**Paper12X11 = 90**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Paper15X11 = 46**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Paper9X11 = 44**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperA2 = 66**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperA3 = 8**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Notes:** A3 297 x 420 mm

**PaperA3Extra = 63**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperA3ExtraTransverse = 68**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperA3Rotated = 76**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperA3Transverse = 67**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperA4 = 9**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Notes:** A4 210 x 297 mm

**PaperA4Extra = 53**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperA4Plus = 60**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperA4Rotated = 77**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperA4Small = 10**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Notes:** A4 Small 210 x 297 mm

**PaperA4Transverse = 55**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperA5 = 11**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Notes:** A5 148 x 210 mm

**PaperA5Extra = 64**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperA5Rotated = 78**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperA5Transverse = 61**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperA6 = 70**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperA6Rotated = 83**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperB4 = 12**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Notes:** B4 (JIS) 250 x 354

**PaperB4Iso = 42**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperB4Rotated = 79**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperB5 = 13**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Notes:** B5 (JIS) 182 x 257 mm

**PaperB5Extra = 65**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperB5Rotated = 80**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperB5Transverse = 62**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperB6 = 88**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperB6Rotated = 89**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperCSize = 24**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Notes:** C size sheet

**PaperDefault = 0**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Notes:** Default paper size

**PaperDoubleJapanesePostcardRotated = 82**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperDSize = 25**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Notes:** D size sheet

**PaperEnvelope = 36**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Notes:** Envelope 110 x 230 mm

**PaperEnvelope10 = 20**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Notes:** US Envelope # 10 4 1/8 x 9 1/2

**PaperEnvelope11 = 21**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Notes:** US Envelope # 11 4 1/2 x 10 3/8

**PaperEnvelope12 = 22**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Notes:** US Envelope # 12 4 3/4 x 11

**PaperEnvelope14 = 23**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Notes:** US Envelope # 14 5 x 11 1/2

**PaperEnvelope9 = 19**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Notes:** US Envelope # 9 3 7/8 x 8 7/8

**PaperEnvelopeB4 = 33**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Notes:** Envelope B4 250 x 353 mm

**PaperEnvelopeB5 = 34**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Notes:** Envelope B5 176 x 250 mm

**PaperEnvelopeB6 = 35**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Notes:** Envelope B6 176 x 125 mm

**PaperEnvelopeC3 = 29**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Notes:** Envelope C3 324 x 458 mm

**PaperEnvelopeC4 = 30**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Notes:** Envelope C4 229 x 324 mm

**PaperEnvelopeC5 = 28**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Notes:** Envelope C5 162 x 229 mm

**PaperEnvelopeC6 = 31**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Notes:** Envelope C6 114 x 162 mm

**PaperEnvelopeC65 = 32**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Notes:** Envelope C65 114 x 229 mm

**PaperEnvelopeDL = 27**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Notes:** Envelope DL 110 x 220mm

**PaperEnvelopeInvite = 47**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperEnvelopeMonarch = 37**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Notes:** US Envelope Monarch 3.875 x 7.5 in

**PaperESize = 26**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Notes:** E size sheet

**PaperExecutive = 7**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Notes:** US Executive 7 1/4 x 10 1/2 in

**PaperFanfold = 39**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Notes:** US Std Fanfold 14 7/8 x 11 in

**PaperFolio = 14**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Notes:** Folio 8 1/2 x 13 in

**PaperGermanLegalFanfold = 41**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Notes:** German Legal Fanfold 8 1/2 x 13 in

**PaperGermanStdFanfold = 40**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Notes:** German Std Fanfold 8 1/2 x 12 in

**PaperJapaneseDoublePostcard = 69**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperJapaneseEnvelopeChou3 = 73**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperJapaneseEnvelopeChou3Rotated = 86**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperJapaneseEnvelopeChou4 = 74**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperJapaneseEnvelopeChou4Rotated = 87**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperJapaneseEnvelopeKaku2 = 71**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperJapaneseEnvelopeKaku2Rotated = 84**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperJapaneseEnvelopeKaku3 = 72**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperJapaneseEnvelopeKaku3Rotated = 85**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperJapaneseEnvelopeYou4 = 91**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperJapaneseEnvelopeYou4Rotated = 92**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperJapanesePostcard = 43**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperJapanesePostcardRotated = 81**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperLedger = 4**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Notes:** US Ledger 17 x 11 in

**PaperLegal = 5**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Notes:** US Legal 8 1/2 x 14 in

**PaperLetter = 1**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Notes:** US Letter 8 1/2 x 11 in

### **PaperLetterExtraTransverse = 56**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

### **PaperLetterRotated = 75**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

### **PaperLetterSmall = 2**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Notes:** US Letter Small 8 1/2 x 11 in

### **PaperLetterTransverse = 54**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

### **PaperNote = 18**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Notes:** US Note 8 1/2 x 11 in

**PaperPrc16K = 93**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperPrc16KRotated = 106**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperPrc32K = 94**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperPrc32KBig = 95**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperPrc32KbigRotated = 108**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperPrc32KRotated = 107**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperPrcEnvelope1 = 96**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperPrcEnvelope10 = 105**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperPrcEnvelope10Rotated = 118**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperPrcEnvelope1Rotated = 109**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperPrcEnvelope2 = 97**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperPrcEnvelope2Rotated = 110**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperPrcEnvelope3 = 98**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperPrcEnvelope3Rotated = 111**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperPrcEnvelope4 = 99**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperPrcEnvelope4Rotated = 112**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperPrcEnvelope5 = 100**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperPrcEnvelope5Rotated = 113**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperPrcEnvelope6 = 101**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperPrcEnvelope6Rotated = 114**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperPrcEnvelope7 = 102**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperPrcEnvelope7Rotated = 115**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperPrcEnvelope8 = 103**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperPrcEnvelope8Rotated = 116**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperPrcEnvelope9 = 104**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperPrcEnvelope9Rotated = 117**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperQuatro = 15**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Notes:** Quarto 215 x 275 mm

**PaperStatement = 6**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Notes:** US Statement 5 1/2 x 8 1/2 in

**PaperSupera = 57**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperSuperb = 58**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperTabloid = 3**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Notes:** US Tabloid 11 x 17 in

**PaperUSEnvelope = 38**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**Notes:** US Envelope 3 5/8 x 6 1/2 in

**PaperUSLegalExtra = 51**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperUSLetterExtra = 50**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperUSLetterPlus = 59**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**PaperUSTabloidExtra = 52**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the paper format constants.

**SheetStateHidden = 1**

Plugin Version: 12.1 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the constants for the visible state of a sheet.

**Notes:** Sheet is hidden, but can be shown via the user interface.

**SheetStateVeryHidden = 2**

Plugin Version: 12.1 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the constants for the visible state of a sheet.

**Notes:** Sheet is hidden and cannot be shown in the user interface.

**SheetStateVisible = 0**

Plugin Version: 12.1 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the constants for the visible state of a sheet.

**Notes:** Sheet is visible

## 2.2 class XLBookMBS

**class XLBookMBS**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The central class for a workbook.

**Notes:**

The MBS Real Studio XL Plugin is based on LibXL, a powerful library to handle Excel files.

You'll need your own license for LibXL. For more information go here:

<https://www.plimus.com/jsp/redirect.jsp?contractId=2284940&referrer=MonkeybreadSoftware>

## 2.2.1 Methods

### ActiveSheet as integer

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Active sheet index in this workbook.

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

### AddCustomNumFormat(customNumFormat as string) as integer

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Adds a new custom number format to the workbook.

**Notes:** The format string customNumFormat indicates how to format and render the numeric value of a cell. See custom format strings guidelines (in FAQ). Returns the custom format identifier. It's used in XLFormatMBS.NumFormat. Returns 0 if error occurs. Get error info with Book::errorMessage().

### AddFont(initFont as XLFontMBS = nil) as XLFontMBS

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Adds a new font to the workbook, initial parameters can be copied from other font.

**Notes:** Returns NULL if error occurs.

### AddFormat(initFormat as XLFormatMBS = nil) as XLFormatMBS

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Adds a new format to the workbook, initial parameters can be copied from other format.

**Notes:** Returns NULL if error occurs.

### AddPicture(path as folderitem) as integer

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Adds a picture to the workbook.

**Notes:** Returns a picture identifier. Supports BMP, DIB, PNG, JPG and WMF picture formats. Use

picture identifier with `XLSheetMBS.setPicture()`. Returns -1 if error occurs. Get error info with `Book::errorMessage()`.

See also:

- 2.2.1 `AddPicture(path as string) as integer`

67

### **AddPicture(path as string) as integer**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Adds a picture to the workbook.

**Notes:** Returns a picture identifier. Supports BMP, DIB, PNG, JPG and WMF picture formats. Use picture identifier with `XLSheetMBS.setPicture()`. Returns -1 if error occurs. Get error info with `Book::errorMessage()`.

See also:

- 2.2.1 `AddPicture(path as folderitem) as integer`

66

### **AddPictureData(data as string) as integer**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Adds a picture to the workbook from memory buffer:

**Notes:** Returns a picture identifier. Use picture identifier with `XLSheetMBS.setPicture()`. Returns -1 if error occurs. Get error info with `Book::errorMessage()`.

### **AddSheet(name as string = "", initSheet as XLSheetMBS = nil) as XLSheetMBS**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Adds a new sheet to this book, returns the sheet.

**Notes:**

Use `initSheet` parameter if you wish to copy an existing sheet.

Returns NULL if error occurs. Get error info with `Book::errorMessage()`.

**available as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Whether the library is available.

**Notes:** Returns false on PPC targets.

**BiffVersion as integer**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Returns BIFF version of binary file.

**Notes:** Used for xls format only.

**Constructor(xml as boolean = false)**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Creates a new XLBookMBS object.

**Notes:** xml: If true, creates a book in xlsx format (xml), else one in xls format (binary).

**CustomNumFormat(fmt as integer) as string**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Returns a custom format string for specified custom format identifier fmt.

**Notes:** See custom format string guidelines (in FAQ). Returns NULL if error occurs. Get error info with Book::errorMessage().

**DefaultFont(byref fontSize as integer) as string**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Returns a default font name and size for this workbook.

**Notes:** Returns "" if error occurs. Get error info with Book::errorMessage().

**DelSheet(index as integer) as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Deletes a sheet with specified index.

**Notes:** Returns false if error occurs. Get error info with Book::errorMessage().

**ErrorMessage as string**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Returns the last error message.

**Font(index as integer) as XLFontMBS**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Returns a font with defined index.

**Notes:** Index must be less than return value of fontCount method.

**FontCount as integer**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Returns a number of fonts in this book.

**Fonts as XLFontMBS()**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Returns array with all defined fonts.

**Format(index as integer) as XLFormatMBS**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Returns a format with defined index.

**Notes:** Index must be less than return value of formatCount method.

### FormatCount as integer

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Returns a number of formats in this book.

### Formats as XLFormatMBS()

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Returns array with all defined formats.

### InsertSheet(index as integer, name as string = "", initSheet as XLSheetMBS = nil) as XLSheetMBS

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Inserts a new sheet to this book at position index, returns the sheet.

**Notes:** Use initSheet parameter if you wish to copy an existing sheet. Returns NULL if error occurs. Get error info with Book::errorMessage().

### Load(path as folderitem) as boolean

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Loads a xls-file into memory.

**Notes:** Returns false if error occurs. Get error info with Book::errorMessage().  
See also:

- 2.2.1 Load(path as string) as boolean

70

### Load(path as string) as boolean

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Loads a xls-file into memory.

**Notes:** Returns false if error occurs. Get error info with `Book::errorMessage()`.  
See also:

- 2.2.1 `Load(path as folderitem)` as boolean 70

### **LoadRaw(data as string) as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Loads a xls-file from user's memory buffer.

**Notes:** Returns false if error occurs. Get error info with `Book::errorMessage()`.

### **PackColor(ColorValue as color) as integer**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Packs red, green and blue components in color type.

See also:

- 2.2.1 `PackColor(red as integer, green as integer, blue as integer)` as integer 71

### **PackColor(red as integer, green as integer, blue as integer) as integer**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Packs red, green and blue components in color type.

See also:

- 2.2.1 `PackColor(ColorValue as color)` as integer 71

### **PackDate(d as date) as double**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Packs date and time information into double type.

See also:

- 2.2.1 `PackDate(year as integer, month as integer, day as integer, hour as integer = 0, min as integer = 0, sec as integer = 0, msec as integer = 0)` as double 72

**PackDate**(year as integer, month as integer, day as integer, hour as integer = 0, min as integer = 0, sec as integer = 0, msec as integer = 0) as double

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Packs date and time information into double type.

See also:

- 2.2.1 PackDate(d as date) as double

71

**Picture**(index as integer, byref data as string) as integer

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Returns a picture at position index in memory buffer.

**Notes:**

Parameters:

index: position in the workbook

data: reference to buffer

Returns type of picture. See PictureType\* constants.

**PictureCount** as integer

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Returns a number of pictures in this workbook.

**RefR1C1** as integer

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Whether the R1C1 reference mode is active.

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

**RgbMode as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Whether the RGB mode is active. Used for xlsx format only.

**Notes:**

true - RGB mode, false - Index mode (default).

In RGB mode use colorPack() and colorUnpack() methods for getting/setting colors. Used for xlsx format only.

(Read and Write computed property)

**Save(path as folderitem) as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Saves current workbook into xls-file.

**Notes:** Returns false if error occurs. Get error info with Book::errorMessage().

See also:

- 2.2.1 Save(path as string) as boolean

73

**Save(path as string) as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Saves current workbook into xls-file.

**Notes:** Returns false if error occurs. Get error info with Book::errorMessage().

See also:

- 2.2.1 Save(path as folderitem) as boolean

73

**SaveRaw(byref data as string) as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Saves a xls-file to internal memory buffer.

**Notes:** Returns false if error occurs. Get error info with Book::errorMessage().

**SetDefaultFont(fontName as string, fontSize as integer)**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Sets a default font name and size for this workbook.

**SetKey(name as string, key as string)**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Sets customer's license key.

**Notes:** Call this once for each XLBookMBS object and before you read or write data.

**SetKeyGlobal(name as string, key as string)**

Plugin Version: 12.1 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Sets customer's license key.

**Notes:** You can call this before using the other plugin functions to set key on application startup. Simply call it in app.open event.

**SetLocale(locale as string)**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Sets the locale.

**Notes:** Sets the locale for this library. It has no effect for unicode projects.

**Sheet(index as integer) as XLSheetMBS**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Gets the sheet with specified index.

**Notes:** Returns NULL if error occurs. Get error info with Book::errorMessage().

**SheetCount as integer**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Returns a number of sheets in this book.

**Sheets as XLSheetMBS()**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Returns array with all sheets.

**UnpackColor(ColorValue as integer) as color**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Unpacks color type to red, green and blue components.

See also:

- 2.2.1 UnpackColor(ColorValue as integer, byref red as integer, byref green as integer, byref blue as integer) 75

**UnpackColor(ColorValue as integer, byref red as integer, byref green as integer, byref blue as integer)**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Unpacks color type to red, green and blue components.

See also:

- 2.2.1 UnpackColor(ColorValue as integer) as color 75

**UnpackDate(Value as double) as date**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Unpacks date and time information from double type.

**Notes:** Returns nil if error occurs.

See also:

- 2.2.1 UnpackDate(Value as double, byref year as integer, byref month as integer, byref day as integer) as boolean 76
- 2.2.1 UnpackDate(Value as double, byref year as integer, byref month as integer, byref day as integer, byref hour as integer, byref min as integer, byref sec as integer) as boolean 76
- 2.2.1 UnpackDate(Value as double, byref year as integer, byref month as integer, byref day as integer, byref hour as integer, byref min as integer, byref sec as integer, byref msec as integer) as boolean 77

**UnpackDate(Value as double, byref year as integer, byref month as integer, byref day as integer) as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Unpacks date and time information from double type.

**Notes:** Returns false if error occurs.

See also:

- 2.2.1 UnpackDate(Value as double) as date 75
- 2.2.1 UnpackDate(Value as double, byref year as integer, byref month as integer, byref day as integer, byref hour as integer, byref min as integer, byref sec as integer) as boolean 76
- 2.2.1 UnpackDate(Value as double, byref year as integer, byref month as integer, byref day as integer, byref hour as integer, byref min as integer, byref sec as integer, byref msec as integer) as boolean 77

**UnpackDate(Value as double, byref year as integer, byref month as integer, byref day as integer, byref hour as integer, byref min as integer, byref sec as integer) as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Unpacks date and time information from double type.

**Notes:** Returns false if error occurs.

See also:

- 2.2.1 UnpackDate(Value as double) as date 75
- 2.2.1 UnpackDate(Value as double, byref year as integer, byref month as integer, byref day as integer) as boolean 76
- 2.2.1 UnpackDate(Value as double, byref year as integer, byref month as integer, byref day as integer, byref hour as integer, byref min as integer, byref sec as integer, byref msec as integer) as boolean 77

**UnpackDate**(Value as double, byref year as integer, byref month as integer, byref day as integer, byref hour as integer, byref min as integer, byref sec as integer, byref msec as integer) as boolean

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Unpacks date and time information from double type.

**Notes:** Returns false if error occurs.

See also:

- 2.2.1 UnpackDate(Value as double) as date 75
- 2.2.1 UnpackDate(Value as double, byref year as integer, byref month as integer, byref day as integer) as boolean 76
- 2.2.1 UnpackDate(Value as double, byref year as integer, byref month as integer, byref day as integer, byref hour as integer, byref min as integer, byref sec as integer) as boolean 76

## 2.2.2 Properties

### Handle as Integer

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The internal object reference.

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

## 2.2.3 Constants

### PictureTypeDIB = 3

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the picture format constants.

**Notes:** DIB format

### PictureTypeEMF = 4

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the picture format constants.

**Notes:** EMF format

### **PictureTypeError = & hFF**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the picture format constants.

**Notes:** Error. Check XLBookMBS.ErrorMessage method.

### **PictureTypeJPEG = 1**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the picture format constants.

**Notes:** JPEG format

### **PictureTypePICT = 5**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the picture format constants.

**Notes:** Mac PICT format.

### **PictureTypePNG = 0**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the picture format constants.

**Notes:** PNG format

### **PictureTypeTIFF = 6**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the picture format constants.

**Notes:** TIFF format

**PictureTypeWMF = 2**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the picture format constants.

**Notes:** WMF format

## 2.3 class XLFontMBS

**class XLFontMBS**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The class for a font definition.

### 2.3.1 Methods

**Bold as Boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Whether the font is bold.

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

**ColorValue as Integer**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The color of the font.

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

**Constructor**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The private constructor.

**Italic as Boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Whether the font is italic.

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

**Name as string**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The name of the font.

**Notes:**

Default name is "Arial".

(Read and Write computed property)

**Script as Integer**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The script style of the font.

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

**Size as Integer**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The size of the font in points.

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

**StrikeOut as Boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Whether the font is strikeout.

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

### Underline as integer

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The underline style of the font.

**Notes:**

See Underline\* constants.  
(Read and Write computed property)

### 2.3.2 Properties

#### Handle as Integer

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The internal object reference.

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

#### Owner as Variant

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The owner object.

**Notes:**

As a font is only valid with the owning book, we keep a back reference here.  
(Read only property)

### 2.3.3 Constants

#### ColorAqua = 49

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorAuto = & h7Fff**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorBlack = 8**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorBlue = 12**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorBlueCl = 39**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorBluegray = 54**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorBrightgreen = 11**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorBrown = 60**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorCoralCf = 29**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorDarkblue = 18**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorDarkblueCl = 32**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorDarkgreen = 58**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorDarkpurpleCf = 28**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorDarkred = 16**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorDarkredCl = 37**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorDarkteal = 56**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorDarkyellow = 19**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorDefaultBackground = 65**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**Notes:** Auto

**ColorDefaultForeground = 64**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**Notes:** Auto

**ColorGold = 51**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorGray25 = 22**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorGray40 = 55**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorGray50 = 23**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorGray80 = 63**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorGreen = 17**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorIceblueCf = 31**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorIndigo = 62**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorIvoryCf = 26**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorLavender = 46**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorLightblue = 48**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorLightgreen = 42**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorLightorange = 52**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorLightturquoise = 41**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorLightturquoiseCf = 27**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorLightyellow = 43**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorLime = 50**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorOceanblueCf = 30**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorOlivegreen = 59**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorOrange = 53**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorPaleblue = 44**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorPeriwinkleCf = 24**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorPink = 14**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorPinkCl = 33**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorPlum = 61**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorPlumCf = 25**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorRed = 10**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorRose = 45**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorSeagreen = 57**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorSkyblue = 40**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorTan = 47**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorTeal = 21**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorTealCl = 38**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorTooltip 81**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorTurquoise = 15**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorTurquoiseCl = 35**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorViolet = 20**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorVioletCl = 36**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorWhite = 9**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorYellow = 13**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ColorYellowCl = 34**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the color constants.

**ScriptNormal = 0**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the script style constants.

**ScriptSub = 2**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the script style constants.

**ScriptSuper = 1**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the script style constants.

**UnderlineDouble = 2**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the underline style constants.

**UnderlineDoubleacc = & H22**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the underline style constants.

**UnderlineNone = 0**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the underline style constants.

**UnderlineSingle = 1**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the underline style constants.

**UnderlineSingleacc = & H21**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the underline style constants.

## 2.4 class XLFormatMBS

**class XLFormatMBS**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The class for a format.

### 2.4.1 Methods

**AlignH as integer**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The horizontal alignment.

**Notes:**

See AlignH\* constants.  
(Read and Write computed property)

**AlignV as integer**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The vertical alignment.

**Notes:**

See AlignV\* constants.  
(Read and Write computed property)

**BorderBottom as integer**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The bottom border style.

**Notes:**

See BorderStyle\* constants.  
(Read and Write computed property)

**BorderBottomColor as integer**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The color of the bottom border.

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

**BorderDiagonal as integer**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The diagonal border.

**Notes:**

see BorderDiagonal\* constants.  
(Read and Write computed property)

**BorderDiagonalColor as integer**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The color of the diagonal border.

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

**BorderDiagonalStyle as integer**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The diagonal border style.

**Notes:**

See BorderDiagonal\* constants.  
(Read and Write computed property)

#### **BorderLeft as integer**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The left border style.

**Notes:**

See BorderStyle\* constants.  
(Read and Write computed property)

#### **BorderLeftColor as integer**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The color of the left border.

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

#### **BorderRight as integer**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The right border style.

**Notes:**

See BorderStyle\* constants.  
(Read and Write computed property)

#### **BorderRightColor as integer**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The color of the right border.

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

**BorderTop as integer**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The top border style.

**Notes:**

See BorderStyle\* constants.  
(Read and Write computed property)

**BorderTopColor as integer**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The color of the top border.

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

**Constructor**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The private constructor.

**FillPattern as integer**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The fill pattern.

**Notes:**

See fill pattern constants.  
(Read and Write computed property)

**Font as XLFontMBS**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The font for the format.

**Notes:**

To create a new font use `XLBookMBS.addFont()`. Returns false if error occurs. Get error info with `Book::errorMessage()`.

(Read and Write computed property)

### Hidden as boolean

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Whether the hidden protection property is set to true.

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

### Indent as integer

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The text indentation level.

**Notes:**

Must be less than or equal to 15.

(Read and Write computed property)

### Locked as boolean

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Whether the locked protection property is set to true.

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

### NumFormat as integer

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The number format identifier.

**Notes:**

The identifier must be a valid built-in number format identifier or the identifier of a custom number format. To create a custom format use `XLBookMBS.addCustomNumFormat()`. Or use one of the `NumFormat*` constants.

(Read and Write computed property)

### **PatternBackgroundColor as integer**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The background color of the fill pattern.

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

### **PatternForegroundColor as integer**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The foreground color of the fill pattern.

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

### **Rotation as integer**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Returns the text rotation.

**Notes:**

Must be a value from the following table:

Value	Meaning
0 - 90	Text rotated counterclockwise 0 to 90 degrees
91 - 180	Text rotated clockwise 1 to 90 degrees
255	Vertical text

### **SetBorder(border as integer = 1)**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Sets the border style.

**Notes:** See `BorderStyle*` constants.

**SetBorderColor(ColorValue as integer)**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Sets the border color.

**SetFont(font as XLFontMBS) as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Sets the font for the format.

**Notes:** To create a new font use XLBookMBS.addFont(). Returns false if error occurs. Get error info with Book::errorMessage().

**SetRotation(rotation as integer) as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Sets the text rotation.

**Notes:**

Must be a value from the following table:

Value	Meaning
0 - 90	Text rotated counterclockwise 0 to 90 degrees
91 - 180	Text rotated clockwise 1 to 90 degrees
255	Vertical text

**ShrinkToFit as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Whether the cell is shrink-to-fit.

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

**Wrap as boolean**

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** Whether the cell text is wrapped.

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

## 2.4.2 Properties

### Handle as Integer

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The internal object reference.

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

### Owner as Variant

Plugin Version: 11.3 Console & Web: Yes Mac: Yes, Win: Yes, Linux: Yes, . **Function:** The object owning this format object.

**Notes:**

As a format is only valid with the owning book, we keep a back reference here.  
(Read only property)

## 2.4.3 Constants

### AlignHCenter = 2

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the horizontal alignment constants.

**Notes:** Center

### AlignHDistributed = 7

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the horizontal alignment constants.

**Notes:** Distributed

**AlignHFill = 4**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the horizontal alignment constants.

**Notes:** Fill

**AlignHGeneral = 0**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the horizontal alignment constants.

**Notes:** Default

**AlignHJustify = 5**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the horizontal alignment constants.

**Notes:** Justify

**AlignHLeft = 1**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the horizontal alignment constants.

**Notes:** Left

**AlignHMerge = 6**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the horizontal alignment constants.

**Notes:** Center over several cells.

**AlignHRight = 3**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the horizontal alignment constants.

**Notes:** Right

**AlignVBottom = 2**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the vertical alignment constants.

**Notes:** Bottom

**AlignVCenter = 1**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the vertical alignment constants.

**Notes:** Center

**AlignVDistributed = 4**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the vertical alignment constants.

**Notes:** Distributed

**AlignVJustify = 3**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the vertical alignment constants.

**Notes:** Justify

**AlignVTop = 0**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the vertical alignment constants.

**Notes:** Top

**BorderDiagonalBoth = 3**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the diagonal border style constants.

**BorderDiagonalDown = 1**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the diagonal border style constants.

**BorderDiagonalNone = 0**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the diagonal border style constants.

**BorderDiagonalUp = 2**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the diagonal border style constants.

**BorderStyleDashdot = 9**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the border style constants.

**Notes:** dash and dot

**BorderStyleDashdotdot = 11**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the border style constants.

**Notes:** dash and dots

**BorderStyleDashed = 3**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the border style constants.

**Notes:** dashed

**BorderStyleDotted = 4**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the border style constants.

**Notes:** dotted

**BorderStyleDouble = 6**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the border style constants.

**Notes:** double

**BorderStyleHair = 7**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the border style constants.

**Notes:** hair style

**BorderStyleMedium = 2**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the border style constants.

**Notes:** medium

**BorderStyleMediumdashdot = 10**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the border style constants.

**Notes:** medium dash and dot

**BorderStyleMediumdashdotdot = 12**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the border style constants.

**Notes:** medium dash and dots

**BorderStyleMediumdashed = 8**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the border style constants.

**Notes:** medium dashed

**BorderStyleNone = 0**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the border style constants.

**Notes:** no border

**BorderStyleSlantdashdot = 13**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the border style constants.

**Notes:** dash and dot

**BorderStyleThick = 5**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the border style constants.

**Notes:** thick

**BorderStyleThin = 1**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the border style constants.

**Notes:** thin

**FillPatternDiagcrosshatch = 9**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the fill pattern style constants.

**FillPatternDiagstripe = 8**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the fill pattern style constants.

**FillPatternGray12P5 = 17**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the fill pattern style constants.

**FillPatternGray25 = 4**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the fill pattern style constants.

**FillPatternGray50 = 2**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the fill pattern style constants.

**FillPatternGray6P25 = 18**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the fill pattern style constants.

**FillPatternGray75 = 3**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the fill pattern style constants.

**FillPatternHorstripe = 5**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the fill pattern style constants.

**FillPatternNone = 0**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the fill pattern style constants.

**FillPatternRevdiagstripe = 7**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the fill pattern style constants.

**FillPatternSolid = 1**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the fill pattern style constants.

**FillPatternThickdiagcrosshatch = 10**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the fill pattern style constants.

**FillPatternThindiagcrosshatch = 16**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the fill pattern style constants.

**FillPatternThindiagstripe = 14**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the fill pattern style constants.

**FillPatternThinhorcrosshatch = 15**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the fill pattern style constants.

**FillPatternThinhorstripe = 11**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the fill pattern style constants.

**FillPatternThinrevdiagstripe = 13**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the fill pattern style constants.

**FillPatternThinverstripe = 12**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the fill pattern style constants.

**FillPatternVerstripe = 6**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the fill pattern style constants.

**NumformatAccount = 41**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the number format constants.

**Notes:** account value: 5,000

**NumformatAccountCur = 42**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the number format constants.

**Notes:** account value with currency symbol: \$ 5,000

**NumformatAccountD2 = 43**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the number format constants.

**Notes:** account value with decimal point: 5,000.00

**NumformatAccountD2Cur = 44**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the number format constants.

**Notes:**

account value with currency symbol and decimal point: \$ 5,000.00

**NumformatCurrencyD2Negbra = 7**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the number format constants.

**Notes:** monetary value with decimal point, negative in brackets: (\$ 1000.00)

**NumformatCurrencyD2NegbraRed = 8**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the number format constants.

**Notes:** monetary value with decimal point, negative is red in brackets: (\$ 1000.00)

**NumformatCurrencyNegbra = 5**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the number format constants.

**Notes:** monetary value, negative in brackets: (1000\$ )

**NumformatCurrencyNegbraRed = 6**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the number format constants.

**Notes:** monetary value, negative is red in brackets: (1000\$ )

**NumformatCustom000P0EPlus0 = 48**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the number format constants.

**Notes:** custom value: 15.2E+3

**NumformatCustomDMon = 16**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the number format constants.

**Notes:** custom date value: 11-Mar

**NumformatCustomDMonYY = 15**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the number format constants.

**Notes:** custom date value: 11-Mar-09

**NumformatCustomH0MMSS = 46**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the number format constants.

**Notes:** custom time value: 20:30:55

**NumformatCustomHMM = 20**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the number format constants.

**Notes:** custom date value: 8:30

**NumformatCustomHMMAM = 18**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the number format constants.

**Notes:** custom date value: 8:30 AM

**NumformatCustomHMMSS = 21**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the number format constants.

**Notes:** custom date value: 8:30:00

**NumformatCustomHMMSSAM = 19**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the number format constants.

**Notes:** custom date value: 8:30:00 AM

**NumformatCustomMDYYYYHMM = 22**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the number format constants.

**Notes:** custom datetime value: 3/11/2009 8:30

**NumformatCustomMMSS = 45**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the number format constants.

**Notes:** custom time value: 30:55

**NumformatCustomMMSS0 = 47**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the number format constants.

**Notes:** custom time value: 30:55.0

**NumformatCustomMonYY = 17**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the number format constants.

**Notes:** custom date value: Mar-09

**NumformatDate = 14**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the number format constants.

**Notes:** date value, depends on OS settings: 3/11/2009

**NumformatFractionOneDig = 12**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the number format constants.

**Notes:** fraction value, one digit: 10 1/2

**NumformatFractionTwoDig = 13**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the number format constants.

**Notes:** fraction value, two digits: 10 23/95

**NumformatGeneral = 0**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the number format constants.

**Notes:** general format

**NumformatNumber = 1**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the number format constants.

**Notes:** general number: 1000

**NumformatNumberD2 = 2**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the number format constants.

**Notes:** number with decimal point: 1000.00

**NumformatNumberD2SepNegbra = 39**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the number format constants.

**Notes:** number with thousands separator and decimal point, negative in brackets: (4,000.00)

**NumformatNumberD2SepNegbraRed = 40**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the number format constants.

**Notes:** number with thousands separator and decimal point, negative is red in brackets: (4,000.00)

**NumformatNumberSep = 3**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the number format constants.

**Notes:** number with thousands separator: 100,000

**NumformatNumberSepD2 = 4**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the number format constants.

**Notes:** number with decimal point and thousands separator: 100,000.00

**NumformatNumberSepNegbra = 37**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the number format constants.

**Notes:** number with thousands separator, negative in brackets: (4,000)

**NumformatNumberSepNegbraRed = 38**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the number format constants.

**Notes:** number with thousands separator, negative is red in brackets: (4,000)

**NumformatPercent = 9**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the number format constants.

**Notes:** percent value, multiply the cell value by 100: 75%

**NumformatPercentD2 = 10**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the number format constants.

**Notes:** percent value with decimal point, multiply the cell value by 100: 75.00%

**NumformatScientificD2 = 11**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the number format constants.

**Notes:** scientific value with E character and decimal point: 10.00E+1

**NumformatText = 49**

Plugin Version: 11.3 Console & Web: No Mac: Yes, Win: Yes, Linux: Yes, . **Function:** One of the number format constants.

**Notes:** text value

## Chapter 3

### List of all classes

• XLBookMBS	65
• XLFontMBS	79
• XLFormatMBS	93
• XLSheetMBS	17