

# Advanced Scripting vs. VB Script5 and VBA6

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Dragon NaturallySpeaking® Advanced Scripting is based on WinWrap Basic V6. Following is a chart showing many of the differences and similarities between WinWrap Basic V6 (WW), Microsoft VB Script 5 (VBS), and Microsoft VBA 6 (VBA).

This can also be used as an index to the built-in functions. Most of these have not been verified with Advanced Scripting. Please notify the author of any discrepancies found.

When copying scripts from VBA, this suggests areas which may need to be modified to work with Dragon NaturallySpeaking.

Another version of this table exists at the WinWrap Basic site,

<http://www.winwrap.com/web/basic/language/>

Scripting Function	WinWrap	VBS	VBA
#References ( <i>Access type libraries</i> )	✓		✓
#Uses ( <i>Access other scripts</i> )	✓		✓
#Const			✓
#If...Then...#Else			✓
Abs	✓	✓	✓
AddressOf			
Addition (+)	✓	✓	✓
All financial functions			✓
All intrinsic data types except Variant	✓		✓
All traditional Basic file I/O	✓		✓
And	✓	✓	✓
AppActivate	✓		✓
Array	✓	✓	✓
Asc, AscB, AscW	✓	✓	✓
Atn	✓	✓	✓
Beep	✓		✓
Call	✓	✓	✓
CallByName	✓	✓	✓
CallersLine	✓		
Cbool	✓	✓	✓
Cbyte	✓	✓	✓
Ccur	✓	✓	✓
Cdate	✓	✓	✓
CDbl	✓	✓	✓
Choose	✓		✓
Chr, ChrB, ChrW	✓	✓	✓
Cint	✓	✓	✓

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Scripting Function	WinWrap	VBS	VBA
<i>Class modules</i>	✓	✓	✓
<i>Clipboard</i>	✓		✓
CLng	✓	✓	✓
<i>Collection</i>			✓
<i>Collection access using !</i>	✓		✓
Command	✓		✓
<i>Comments using ' or Rem</i>	✓	✓	✓
Const	✓	✓	✓
Cos	✓	✓	✓
CreateObject	✓	✓	✓
CSng	✓	✓	✓
CStr	✓	✓	✓
Cvar	✓		✓
CVDate	✓		✓
Date	✓	✓	✓
<i>Date statement</i>			✓
DateAdd	✓	✓	✓
DateDiff	✓	✓	✓
DatePart	✓	✓	✓
DateSerial	✓	✓	✓
DateValue	✓	✓	✓
Day	✓	✓	✓
Debug.Assert			✓
Debug.Clear	✓		
Debug.Print	✓		✓
Declare ( <i>for declaring DLLs</i> )	✓		✓
<i>Declaring arrays with lower bound &lt;&gt; 0</i>	✓		✓
Deftype	✓		✓
DeleteSetting	✓		✓
Dim	✓	✓	✓
<i>Division (/)</i>	✓	✓	✓
Do...Loop	✓	✓	✓
DoEvents	✓		✓
<i>Dynamic Data Exchange</i>	✓		✓
Empty	✓	✓	✓
End	✓		✓
Enum...End Enum	✓		✓
<i>Equality(=)</i>	✓	✓	✓
Eqv	✓	✓	✓
Erase	✓	✓	✓
Erl			✓
Err	✓	✓	✓

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Scripting Function	WinWrap	VBS	VBA
Err <i>Object</i>	✓	✓	✓
Error	✓		✓
Eqv	✓	✓	✓
Eval	✓	✓	
Event			✓
Execute		✓	
Exp	✓	✓	✓
<i>Exponentiation (^)</i>	✓	✓	✓
<i>Expressions containing a range of values using the To keyword</i>	✓		✓
<i>Expressions containing Is keyword or any comparison operators</i>	✓		✓
False	✓	✓	✓
FileDateTime	✓		✓
FileLen	✓		✓
Filter		✓	✓
Fix	✓	✓	✓
<i>Fixed-length strings</i>	✓		✓
For Each...Next	✓	✓	✓
For...Next	✓	✓	✓
FormatCurrency		✓	✓
FormatDateTime		✓	✓
FormatNumber		✓	✓
FormatPercent		✓	✓
<i>Forms</i>	✓*		✓
Friend	✓		✓
Function	✓	✓	✓
GetAllSettings	✓		✓
GetFilePath	✓		
GetObject	✓	✓	✓
GetSetting	✓		✓
GoSub...Return			✓
GoTo			✓
<i>Greater than (&gt;)</i>	✓	✓	✓
<i>Greater than or equal to (&gt;=)</i>	✓	✓	✓
Hex	✓	✓	✓
Hour	✓	✓	✓
If...Then...Else	✓	✓	✓
Iif	✓		✓
Imp	✓	✓	✓
Implements			✓

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Scripting Function	WinWrap	VBS	VBA
<i>Inequality (&lt;&gt;)</i>	✓	✓	✓
InputBox	✓	✓	✓
InStr, InStrB	✓	✓	✓
InStrRev	✓	✓	✓
Int	✓	✓	✓
<i>Integer division (\)</i>	✓	✓	✓
Is	✓	✓	✓
IsArray	✓	✓	✓
IsDate	✓	✓	✓
IsEmpty	✓	✓	✓
IsNull	✓	✓	✓
IsNumeric	✓	✓	✓
IsObject	✓	✓	✓
Join	✓	✓	✓
Lbound	✓	✓	✓
Lcase	✓	✓	✓
Left, LeftB	✓	✓	✓
Len, LenB	✓	✓	✓
<i>Less than (&lt;)</i>	✓	✓	✓
<i>Less than or equal to (&lt;=)</i>	✓	✓	✓
Like	✓		✓
<i>Line labels</i>	✓		✓
<i>Line numbers</i>			✓
LoadPicture		✓	✓
Log	✓	✓	✓
Lset	✓		✓
Ltrim	✓	✓	✓
MacroDir	✓		
MacroRun	✓		
MacroRunThis	✓		
Me	✓	✓	✓
Mid	✓	✓	✓
<i>Mid statement</i>	✓		✓
MidB	✓	✓	✓
Minute	✓	✓	✓
Mod ( <i>Modulus arithmetic</i> )	✓	✓	✓
Month	✓	✓	✓
MonthName	✓	✓	✓
MsgBox	✓	✓	✓
<i>Multiplication (*)</i>	✓	✓	✓
<i>Negation (-)</i>	✓	✓	✓
New	✓		✓
Nothing	✓	✓	✓
Now	✓	✓	✓
Null	✓	✓	✓
Oct	✓	✓	✓
On Error GoTo	✓		✓
On...GoSub	✓		✓
On...GoTo	✓		✓

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Scripting Function	WinWrap	VBS	VBA
Option Base	✓		✓
Option Compare	✓		✓
Option Explicit	✓	✓	✓
Option Private Module			✓
Optional	✓		✓
Or	✓	✓	✓
ParamArray	✓		✓
Private	✓	✓	✓
Property Get	✓	✓	✓
Property Let	✓	✓	✓
Property Set	✓	✓	✓
Public	✓	✓	✓
QBColor	✓		✓
Randomize	✓	✓	✓
RaiseEvent			✓
ReDim	✓	✓	✓
Replace	✓	✓	✓
Resume			✓
Resume Next	✓		✓
RGB	✓	✓	✓
Right, RightB	✓	✓	✓
Rnd	✓	✓	✓
Round	✓	✓	✓
Rset	✓		✓
RTrim	✓	✓	✓
SaveSetting	✓		✓
ScriptEngine, ScriptEngineBuildVersion		✓	
ScriptEngineMajorVersion		✓	
ScriptEngineMinorVersion		✓	
Second	✓	✓	✓
Select Case	✓	✓	✓
SendKeys	✓		✓
Set	✓	✓	✓
Sgn	✓	✓	✓
Shell	✓		✓
ShowPopupMenu	✓ <sup>1</sup>		
Sin	✓	✓	✓
Space	✓	✓	✓
Split	✓	✓	✓
Sqr	✓	✓	✓
Static	✓		✓
Stop	✓		✓
Str	✓		✓
StrComp	✓	✓	✓
StrConv	✓		✓
String	✓	✓	✓
<i>String concatenation (&amp;)</i>	✓	✓	✓

<sup>1</sup> ShowPopupMenu is not effective as the menu does not display when ShowPopupMenu is executed from a DNS command script.

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Scripting Function	WinWrap	VBS	VBA
StrReverse	✓	✓	✓
Sub	✓	✓	✓
Subtraction (-)	✓	✓	✓
Tan	✓	✓	✓
Time	✓	✓	✓
Time <i>statement</i>			✓
TimeSerial	✓	✓	✓
TimeValue	✓	✓	✓
Trim	✓	✓	✓
True	✓	✓	✓
Type...End Type	✓		✓
TypeName	✓	✓	✓
TypeOf	✓		✓
UBound	✓	✓	✓
UCase	✓	✓	✓
Val	✓		✓
VarType	✓	✓	✓
Wait	✓		
Weekday	✓	✓	✓
WeekdayName	✓	✓	✓
While...Wend	✓	✓	✓
With	✓	✓	✓
WithEvents	✓		✓
Xor	✓	✓	✓
Year	✓	✓	✓

\* WinWrap Basic Forms use predefined controls (see Chapter 6, Dialog Functions)

Thanks to Polar Engineering, authors of WinWrap Basic, for permission to reproduce this chart.