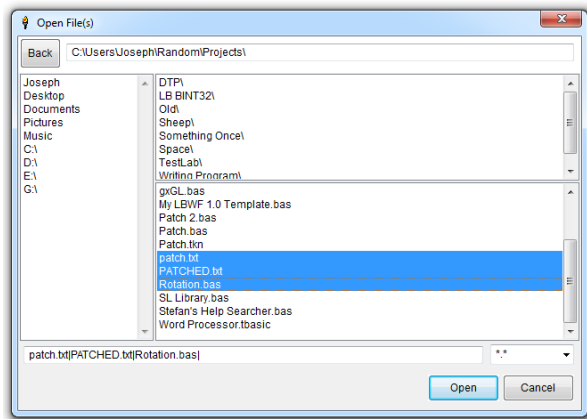


Multiple File Selection Dialog -

[lbjoseph](#)

If you ever needed a multiple file selection dialog that *actually works*, you can use this in your program.



```
' Multiple file selection dialog by Joseph Essin.  
' I got tired of the performance of the API one,  
' as it was always crashing.  
' So I just made my own.
```

```
' For the MultiOpen$() function:
```

```
Global Drives
```

```
Dim Drives$(0)
```

```
Dim Places$(0)
```

```
Dim PlacesList$(0)
```

```
Dim Folders$(0)
```

```
Dim Files$(0)
```

```
Dim FileInfo$(0,0)
```

```
Dim Ext$(0)
```

```
' ----- '
```

```
'NoMainWin
```

```
files$ = MultiOpen$("Open File(s)", DefaultDir$, "**.*;*.bas")
```

```
nfiles = Words(files$, "|")
```

```
For i = 1 To nfiles
```

```
    Print Word$(files$, i, "|")
```

```
Next i
```

```
' Returns a | delimited list of filenames selected.
' Or nothing (""), if no files were selected.
'
' ext$ is the list of extensions you want people
'   to be able to select, seperated by a semicolon.
' initpath$ is the initial path it opens to.
' title$ is what it says in the window title.
Function MultiOpen$(title$, initPath$, ext$)

    Drives = Words(Drives$, " ")
    ReDim PlacesList$(Drives+5)
    ReDim Places$(Drives+5)

    Places$(1) = GetSpecialFolder$(40) ' User's folder
    Places$(2) = GetSpecialFolder$(0)  ' User's desktop
    Places$(3) = GetSpecialFolder$(5)   ' User's documents
    Places$(4) = GetSpecialFolder$(39)  ' User's pictures
    Places$(5) = GetSpecialFolder$(13)  ' User's music

    For i = 1 To 5 : PlacesList$(i) = File.ShortName$(Places$(i)) :
Next i

    For i = 6 To 5+Drives
        Places$(i) = Upper$(Word$(Drives$, i-5));"\\"
        PlacesList$(i) = Places$(i)
    Next i

    extensions = Words(ext$, ";")
    ReDim Ext$(extensions)
    For i = 1 To extensions
        Ext$(i) = Word$(ext$, i, ";")
    Next i

    WindowWidth = 640
    WindowHeight = 450
    UpperLeftX = Int((DisplayWidth-WindowWidth)/2)
    UpperLeftY = Int((DisplayHeight-WindowHeight)/2)

    Stylebits #sel.whitespace, 0, _WS_BORDER, 0, 0
    Stylebits #sel.files, _LBS_EXTENDEDSEL, 0, 0, 0
    Stylebits #sel.address, _ES_READONLY, 0, 0, 0
    Stylebits #sel.filename, _ES_READONLY, 0, 0, 0
```

' I would love to use this, but it makes the combobox stop sending change notifications:

```
'Stylebits #sel.ext, _CBS_DROPDOWNLIST, 0, 0, 0
```

```
Graphicbox #sel.whitespace, -4, -4, 660, 44
```

```
Button #sel.up, "Back", [FolderUp], UL, 2, 2, 46, 34
```

```
Textbox #sel.address, 54, 08, 570, 20
```

```
Listbox #sel.places, PlacesList$(), [SelectPlace], 2, 42, 150, 300
```

```
Listbox #sel.folders, Folders$(), [SelectFolder], 154, 42, 476,
```

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```
Listbox #sel.files, Files$(), [SelectFile], 154, 164, 476, 178
```

```
Textbox #sel.filename, 6, 348, 516, 20
```

```
Combobox #sel.ext, Ext$(), [SelectExt], 530, 346, 94, 20
```

```
Button #sel.default, "Open", [Go], UL, 460, 380, 80, 30
```

```
Button #sel.cancel, "Cancel", [Cancel], UL, 545, 380, 80, 30
```

```
Stylebits #sel, _DS_CENTER, 0, 0, 0
```

```
Open title$ For Dialog_Modal As #sel
```

```
lbox = Hwnd(#sel.files)
```

```
#sel "TrapClose [Quit]"
```

```
#sel "Font Arial 9"
```

```
#sel.places "SingleClickSelect"
```

```
#sel.files, "SingleClickSelect"
```

```
#sel.places "SetFocus"
```

```
#sel.ext, "SelectIndex 1"
```

```
ext$ = Ext$(1)
```

```
folder$ = initPath$
```

```
GoSub [StartAt]
```

```
Wait
```

```
[SelectPlace]
```

```
    #sel.places, "SelectionIndex? n"
```

```
    If n = 0 Then Wait
```

```
    folder$ = Places$(n)
```

```
    GoSub [StartAt]
```

```
Wait
```

```
[SelectFolder]
```

```
    #sel.folders, "Selection? n$"
```

```
    If n$ = "" Then Wait
```

```
    folder$ = folder$;"\";n$
```

```
        GoSub [StartAt]
Wait

[SelectFile]
    items$ = ""
    paths$ = ""
    For i = 1 To nfiles
        isSel = SendMessageA(lbx, _LB_GETSEL, i - 1, 0)
        If isSel Then
            items$ = items$; Files$(i); "|"
            paths$ = paths$; folder$; "\"; Files$(i); "|"
        End If
    Next i
    #sel.filename, items$
Wait

[FolderUp]
    For i = Len(folder$) To 1 Step -1
        If Mid$(folder$, i, 1) = "\" Then
            folder$ = Mid$(folder$, 1, i-1)
            GoSub [StartAt]
            Exit For
        End If
    Next i
    #sel.folders, "SetFocus"
Wait

[SelectExt]
    #sel.ext, "SelectionIndex? n"
    If n = 0 Then Wait
    ext$ = Ext$(n)
    GoSub [StartAt]
Wait

[StartAt]
    ' Remove any trailing slash.
    If right$(folder$,1) = "\" Then folder$ = Mid$(folder$,1,
Len(folder$)-1)
    ' Find the files and folders within:
    Files folder$;"\", ext$, FileInfo$()
    nfolders = Val(FileInfo$(0,1))
    nfiles = Val(FileInfo$(0,0))
    items$ = ""
    paths$ = ""
    ReDim Folders$(nfolders)
    ReDim Files$(nfiles)
```

```
For i = 1 To nfolders
    Folders$(i) = FileInfo$(nfiles+i,1);"\
Next i
#sel.folders "Reload"
For i = 1 To nfiles
    Files$(i) = FileInfo$(i,0)
Next i
#sel.files "Reload"
#sel.address folder$;"\
' Select one of the places if this folder is identical to it.
#sel.places, "SelectIndex 0"
For i = 1 To Drives+5
    compare$ = Lower$(folder$)
    If Right$(compare$,1) = ":" Then compare$ = compare$; "\"
    If compare$ = Lower$(Places$(i)) Then
        #sel.places "SelectIndex ";i
        Exit For
    End If
Next i
#sel.filename, items$
Wait

[Go]
    MultiOpen$ = paths$

[Cancel]

[Quit]
    Close #sel
```

End Function

```
Function GetSpecialFolder$(CSIDL)
    struct IDL, _
        cb As uLong,abID As short
    calldll #shell32, "SHGetSpecialFolderLocation",_
        0 as ulong,CSIDL as ulong,IDL as struct,ret as ulong
    if ret=0 then
        Path$ = Space$(_MAX_PATH)
        id = IDL.cb.struct
        calldll #shell32, "SHGetPathFromIDListA",_
            id as ulong,Path$ as ptr,ret as ulong
        GetSpecialFolder$ = trim$(Path$)
    end if
    if GetSpecialFolder$ = "" then
        GetSpecialFolder$ = "Not Applicable"
```

End Function

```
Function SendMessageA(hw, msg, par1, par2)
    CallDLL #user32, "SendMessageA", _
        hw as Ulong, _ 'Handle of the control (listbox)
        msg as Long, _ 'Stylebits (Windows Constant)
        par1 as Long, _ 'Parameter 1 (sometimes irrelevant)
        par2 as Long, _ 'Parameter 2 (sometimes irrelevant)
        SendMessageA as long 'Return Value, 1 = success
End Function
```

```
Function Words(str$, del$)
    index = 1
    While Word$(str$, index, del$) <> ""
        index = index + 1
    WEnd
    Words = index - 1
End Function
```

```
' Returns the short filename of a path.
Function File.ShortName$(filepath$)
    File.ShortName$ = filepath$
    For i = (Len(filepath$) - 1) To 0 Step -1
        If Mid$(filepath$, i, 1) = "\" Then
            File.ShortName$ = Mid$(filepath$, i+1)
            Exit Function
        End If
    Next i
End Function
```