

Advanced Control Help Table of Contents

How To ...

The Advanced Control Library provides Microsoft Visual Basic Applications with the System Disk Information.. A Visual Basic Code Sample, titled **FILEMGR.MAK**, is also supplied to highlight the use of AdvControls.

Controls

Disk Format
Disk Copy
Disk Commands
File Search

Version

AdvControls Version 1.0

Includes

ADVSRCH.VBX	Disk Search Control, superclass listbox type.
ADVFRMT.VBX	Disk Format Control, button control type.
ADVCOPY.VBX	Disk Copy Control, button control type.
ADVSYS.VBX	DOS System Commands, button control type.
Filemgr.mak	Visual Basic sample file.
Filemgr.frm	Visual Basic sample file.

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Advanced Applications	Compuserve	72713,2106
6700 North Tryon Street	Voice	(704) 597-
Box 560991.		3948
Charlotte, NC 28256-0991		
USA		

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Disk Format control

The **Disk Format** control utilizes Microsofts File Manager performing either Drive A/B disk formatting. With this command, you will always be able to ensure that proper drive types, File Allocation Table (FAT) sectoring, Directory Table information, Boot sector writing, and system file updates will function according to the highest standards without compromising user performance.



Figure 1 - Disk Format and Disk Copy.

It should be noted that while the command is being performed that the user will not actually see File Manager being executed, that application is hidden from view, but rest assured that it is actually being called.

Properties

The **DiskFormat1 AdvFormat** is a subclass of the **Microsoft Command Button**. Thereby ensuring standard button properties.

Events

Standard Microsoft command button type.

Disk Copy control

The **Disk Copy** control utilizes Microsofts File Manager performing either Drive A/B disk copying. With this command, you will always be able to ensure that proper drive types, File Allocation Table (FAT) sectoring, Directory Table information, Boot sector writing, and system file updates will function according to the highest standards without compromising user performance.



Figure 2 - Disk Format and Disk Copy.

It should be noted that while the command is being performed that the user will not actually see File Manager being executed, that application is hidden from view, but rest assured that it is actually being called.

Properties

The **DiskCopy1 AdvFormat** is a subclass of the **Microsoft Command Button**. Thereby ensuring standard button properties.

Events

Standard Microsoft command button type.

Disk System control

The **Disk System** control provides Microsoft Windows ReStarting; System ReBooting; and MS-DOS Prompt capabilities from within your Microsoft Visual Basic application.

Properties

The **Disk System** is a subclass of the **Microsoft Command Button**. Thereby ensuring standard button properties with the addition of the following:

Property	Description
SystemType	0 - ReStart Windows 1 - ReBoot System 2 - MS DOS Prompt

Events

Standard Microsoft command button type.

File Search control

The **File Search** control is a superclass of the Microsoft Listbox providing a listbox with a Caption, Maximize Button, Control Box, Thick and expandable Borders, with the capabilities of being moved on the form while in run mode. The superclassed listbox is capable of performing somewhat normal list box text listing functions or system file functions.

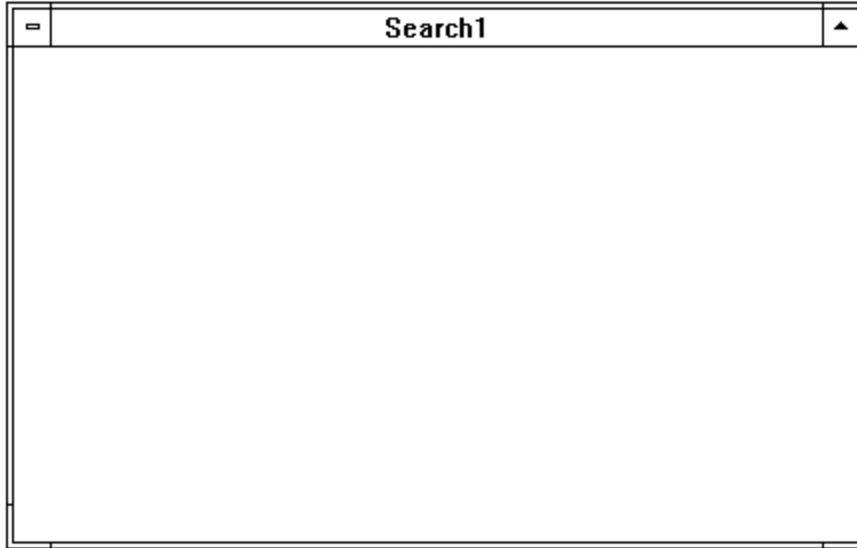


Figure 3 - Search Control.

Files Listbox capabilities are as follows:

- Normal files listbox;
- Read only and Normal files listbox;
- Hidden and Normal files listbox;
- System and Normal files listbox;
- Volume ID listbox;
- Subdirectory and Normal files listbox;
- All file types listbox.

Also by double clicking on listed files within the file listbox, you will provide the users with the ability to either run the selected executable or batch file. Or if the perform the operation as determined within the Microsoft Windows WIN.INI Association listing. If an association does not exist, the user may select to associate the selected file thereby updating the WIN.INI file.

Properties

The following properties depict the non standard properties available with AdvSearch Properties box:

About	<u>About Box</u>
Caption	ListBox Caption
FileList	0 - File List 1 - Normal List
FileType	0 - Normal files list 1 - Read only/Normal files list 2 - Hidden/Normal files list 3 - System/Normal files list 4 - Volume ID list 5 - Subdirectory/Normal files list 6 - All file types list

The following AdvSearch items are code defined Properties:

<u>ListText</u>	The selected text as determined by the list index.
<u>ListIndex</u>	The current index number of the selected item.
<u>ListCount</u>	Number of items in the list box.
<u>SelectCount</u>	Number of selected items in the list box.
<u>Selected</u>	Returns a value which specifies whether the item is selected within the listbox. if return = 0 then the item not selected. if return <> 0 then the item is selected.
<u>SelectAll</u>	Selects all items within the list box.
<u>SelectClear</u>	Deselects all items within the list box.
<u>ListTextLength</u>	Returns the Text length for the selected item within the list box.
AddItem	if FileList = 0; then AddItem acts as a file listbox with syntax: c:*.*. if FileList = 1; then AddItem acts as a normal listbox class.
RemoveItem	Remove the item determined by the index.
Clear	Clears the listbox

Events

The following standard events have been provided:

GotFocus	standard event
KeyDown	standard event
KeyPress	standard event
KeyUp	standard event
LostFocus	standard event
MouseDown	standard event
MouseMove	standard event
MouseUp	standard event

ListIndex property

An application receives a **ListIndex** message to determine the index of the item that has the focus rectangle in a multiple-selection listbox. The item may or may not be selected. An application sends a **ListIndex** message to position the index on a single point within the listbox.

Input

Sets the listbox index.

Returns

The return value is the zero-based index of the item that has the focus rectangle in a list box.

Example

See the Search1.Selected example.

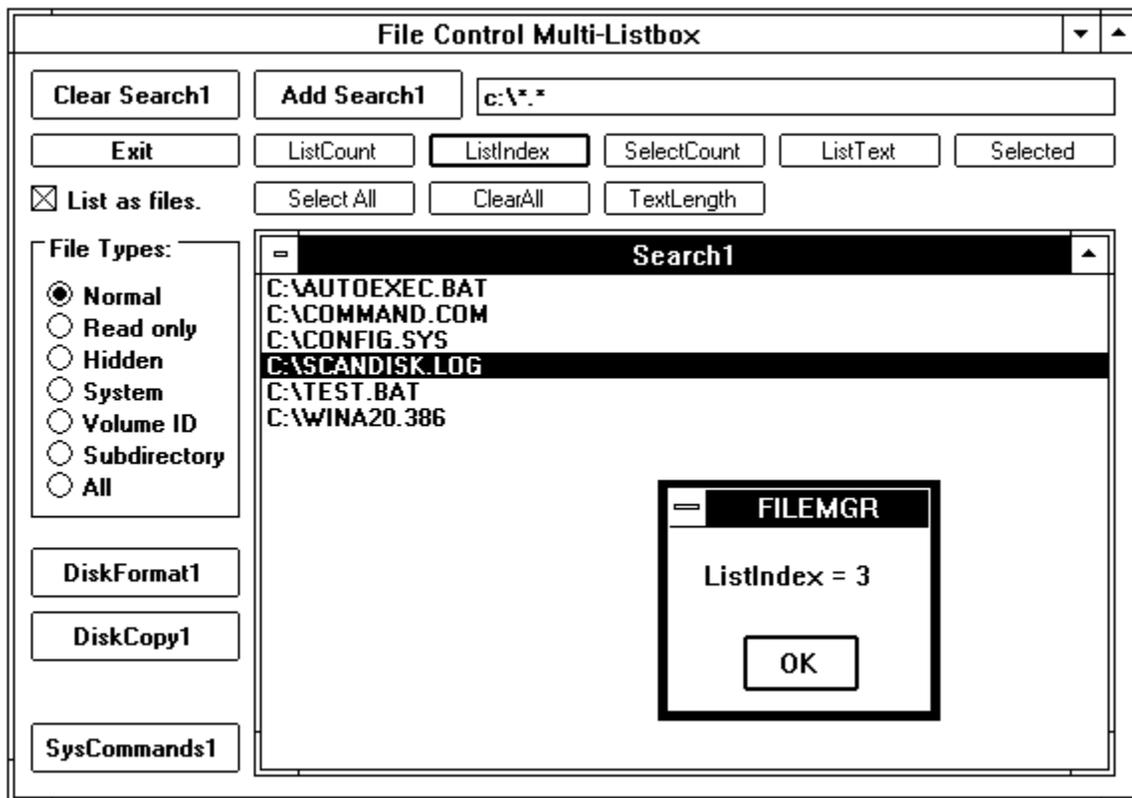


Figure 5 - ListIndex.

ListText property

An application sends an **ListText** message to retrieve the index of the currently selected item, if any, in a single-selection listbox

Input

None.

Returns

The returned text is based on the index of the item in the list box.

Example

See the Search1.Selectedexample.

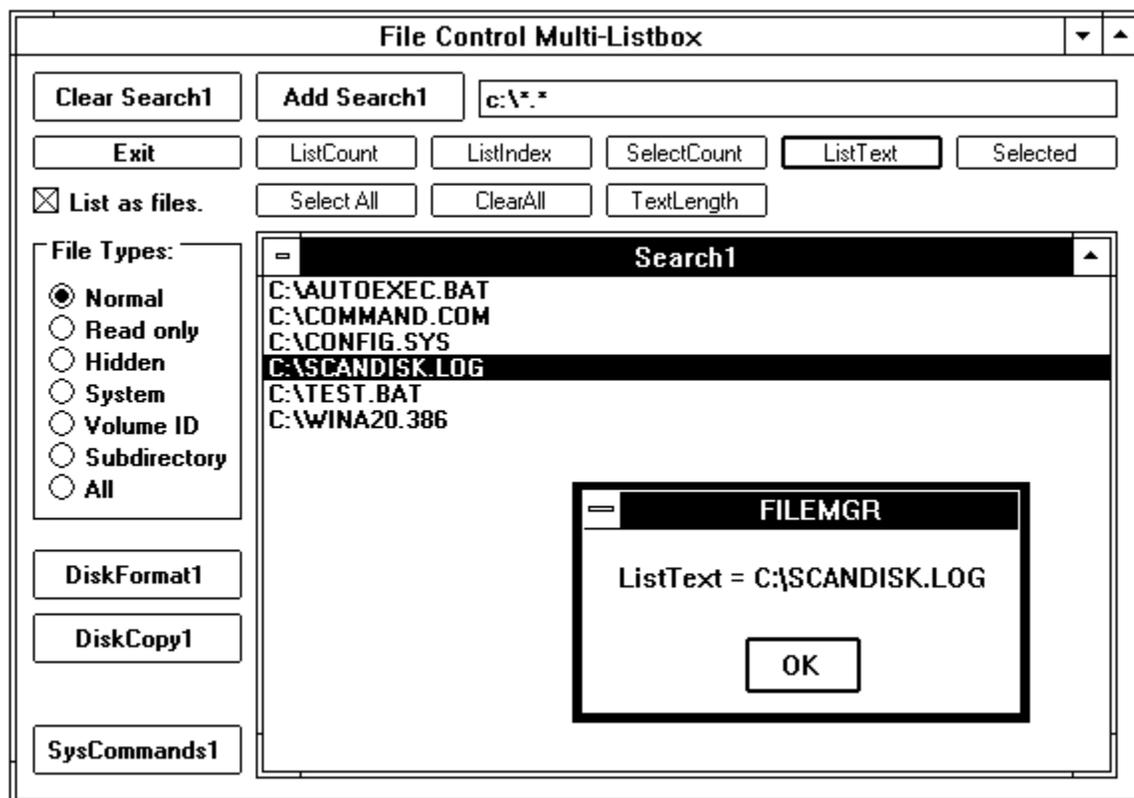


Figure 6 - ListText.

ListCount property

An application sends an **ListCount** message to retrieve the number of items in a list box.

Input

None.

Returns

The return value is the count of number items in a list box.

Example

```
MsgBox = ListCount = & Search1.ListCount
```

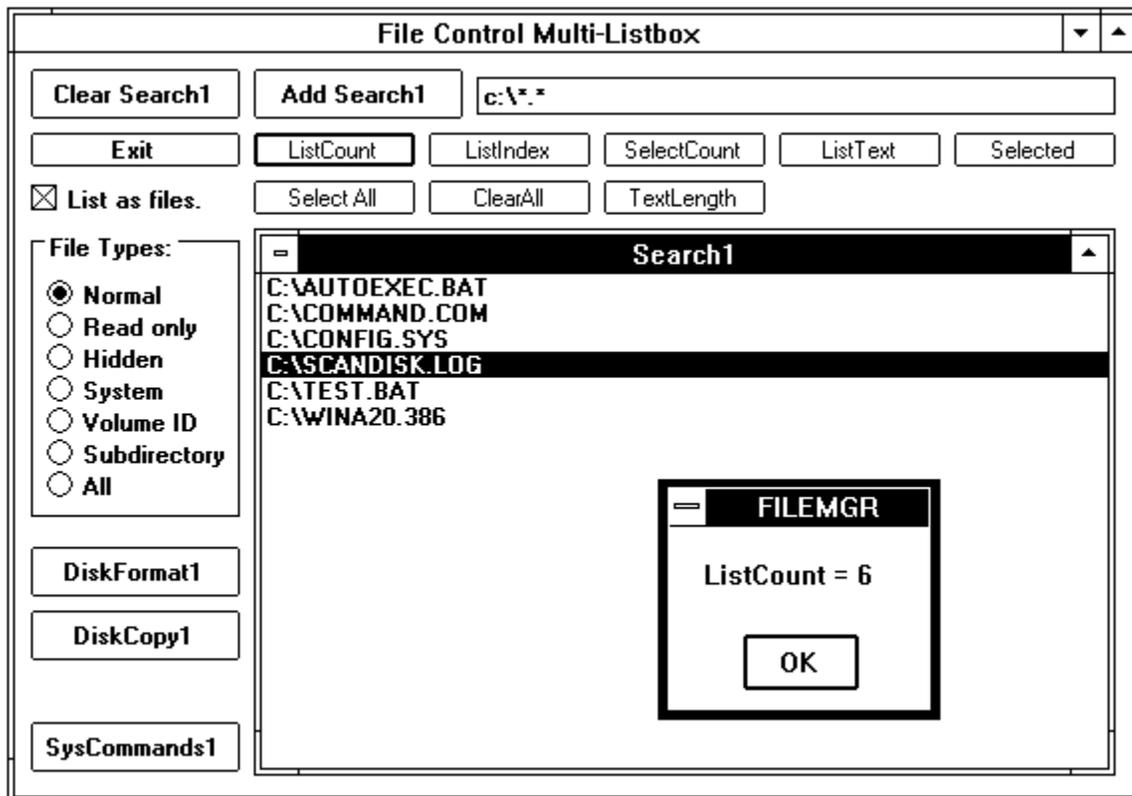


Figure 7 - List Count.

SelectCount property

An application sends an **ListCount** message to retrieve the total number of selected items in a multiple-selection list box.

Input

None.

Returns

The return value is the count of selected items in a list box.

Example

```
MsgBox = ListCount = & Search1.SelectCount
```

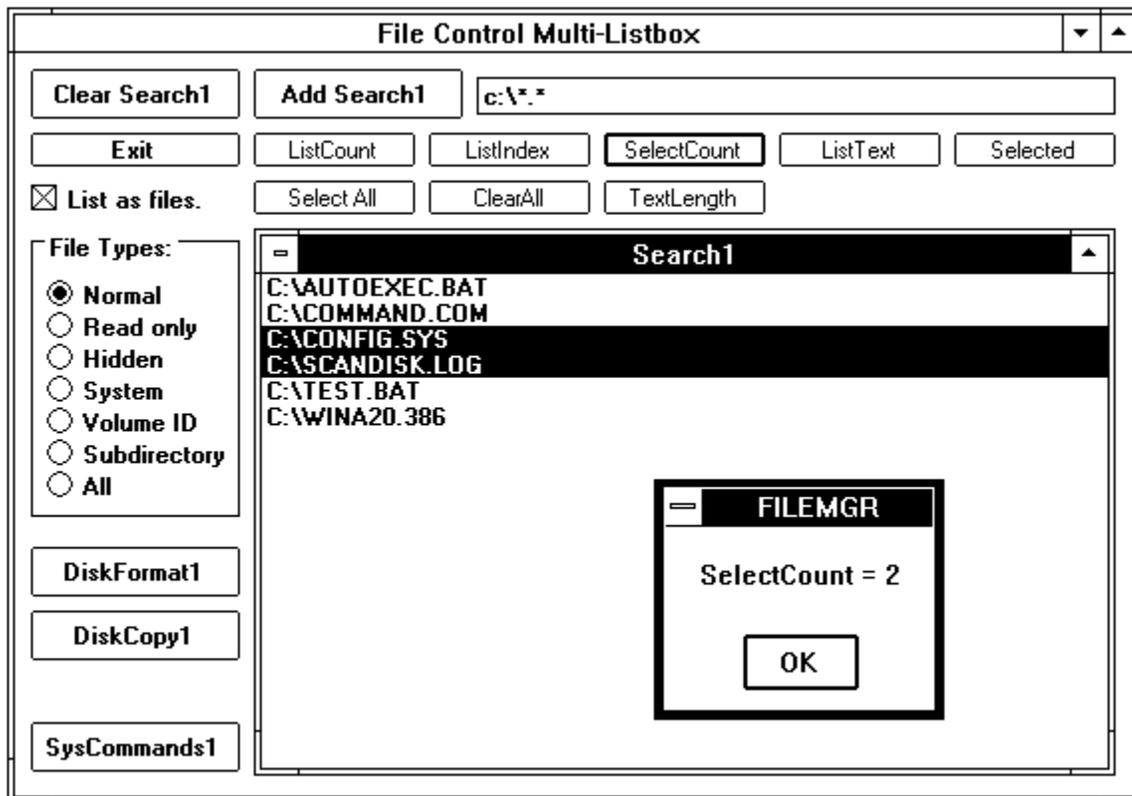


Figure 8 - SelectCount.

Selected property

An application sends an **Selected** property message to retrieve the selection state of an item.

Input

None. To query the item, use **ListIndex**, (see the below example).

Returns

The return value is a positive number if an item is selected; otherwise, it is zero.

Example

```
Dim I as Integer
Dim strTemp as String

For I = 0 To Search1.ListCount - 1
    Search1.ListIndex = I
    If Search1.Selected <> 0 Then
        strTemp = Search1.ListText
        MsgBox "Selected = " & strTemp
    End If
Next
```

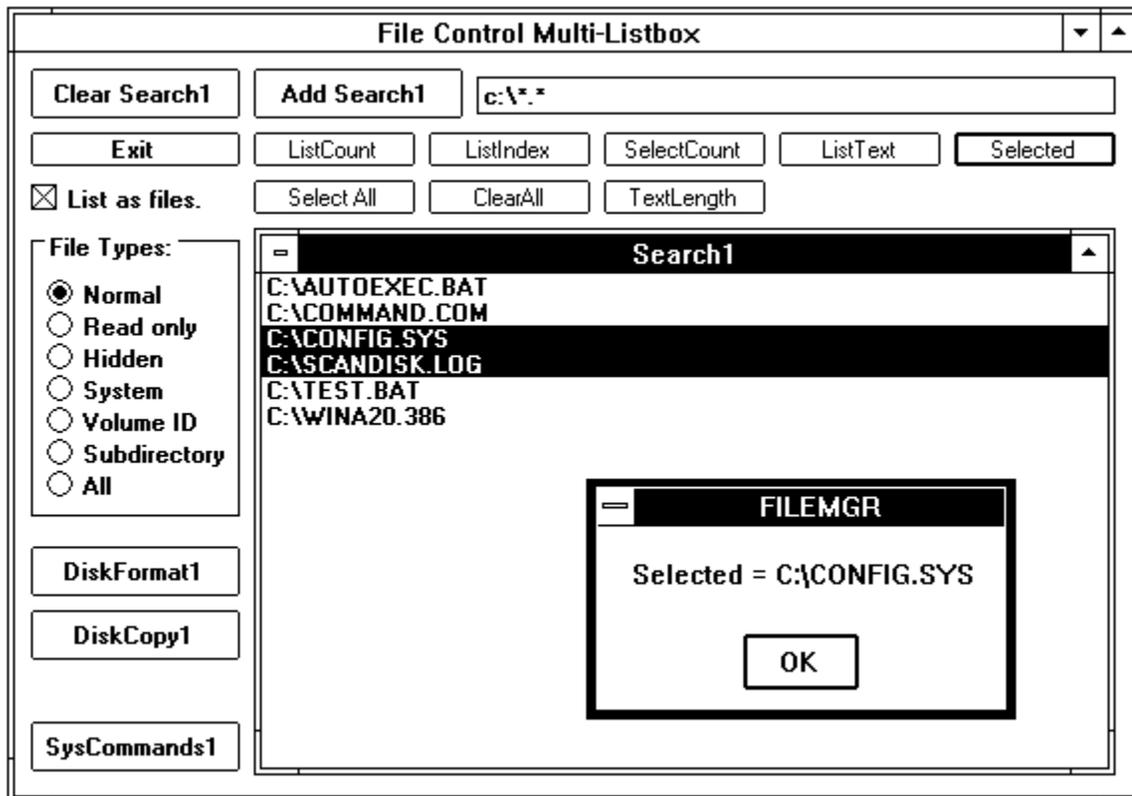


Figure 9 - Selected.

SelectAll property

An application sends an **SelectAll** property message to select all items in a list box.

Input

None. To query the item, use **ListIndex**, (see the below example).

Returns

The return value is a positive number if an item is selected; otherwise, it is zero.

Example

```
Dim I as Integer
```

```
I = Search1.SelectAll
```

SelectClear property

An application sends an **SelectClear** property message to deselect all selected items in a list box.

Input

None. To query the item, use **ListIndex**, (see the below example).

Returns

The return value is a positive number if an item is selected; otherwise, it is zero.

Example

```
Dim I as Integer
```

```
I = Search1.SelectClear
```

ListTextLength property

An application sends an **ListTextLength** property message to retrieve the selected text length.

Input

None. To query the item, use **ListIndex**, (see the below example).

Returns

The return value is a positive number specifying the text length; otherwise, it is zero.

Example

```
Dim I as Integer
```

```
Search1.ListIndex = I
```

```
I = Search1.ListTextLength
```

```
MsgBox TextLength = & I
```

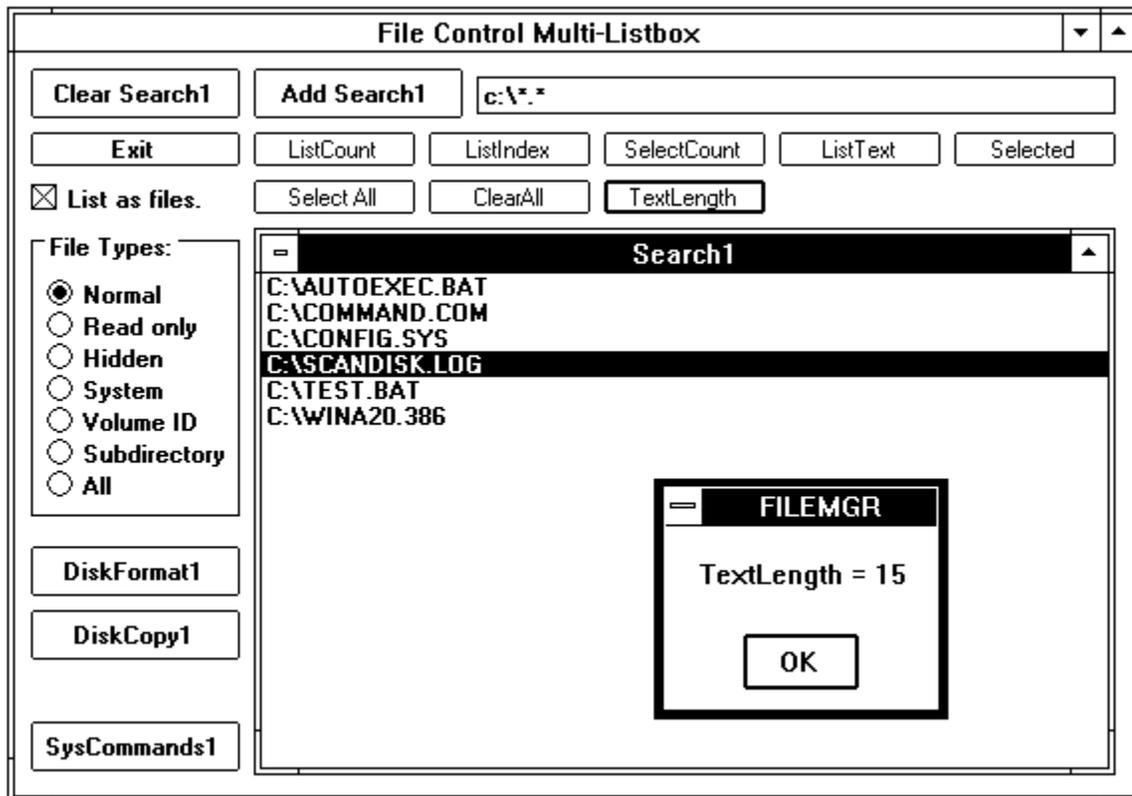


Figure 10 - Selected.

No Help Available

No help is available for this area of the window.

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Visual Basic Sample Code

This text discusses the supplied Visual Basic Code used to illustrate **AdvControls**. Each topic highlights each command as it is used in the sample **FileMgr.mak** application.

FileMgr.mak File Listing

Listing	Description
FILEMGR.FRM	Advanced Application Sample
C:\WINDOWS\SYSTEM\THREED.VBX	Visual Basic Control
ADVSRCH.VBX	Advanced Applications Control
ADVCOPY.VBX	Advanced Applications Control
ADVFRMAT.VBX	Advanced Applications Control
ADVSYS.VBX	Advanced Applications Control
ProjWinSize=97,530,248,215	Project Window
ProjWinShow=2	Project Window
IconForm="frmFileManager"	Project
Title=" FILEMGR "	Project
ExeName="FILEMGR.EXE"	Project

Sections

[About Box](#)

The following examples depicts the AdvSearch ListBox. Following the picture example, is the Microsoft Visual Basic source code for the VB FileManager applications.

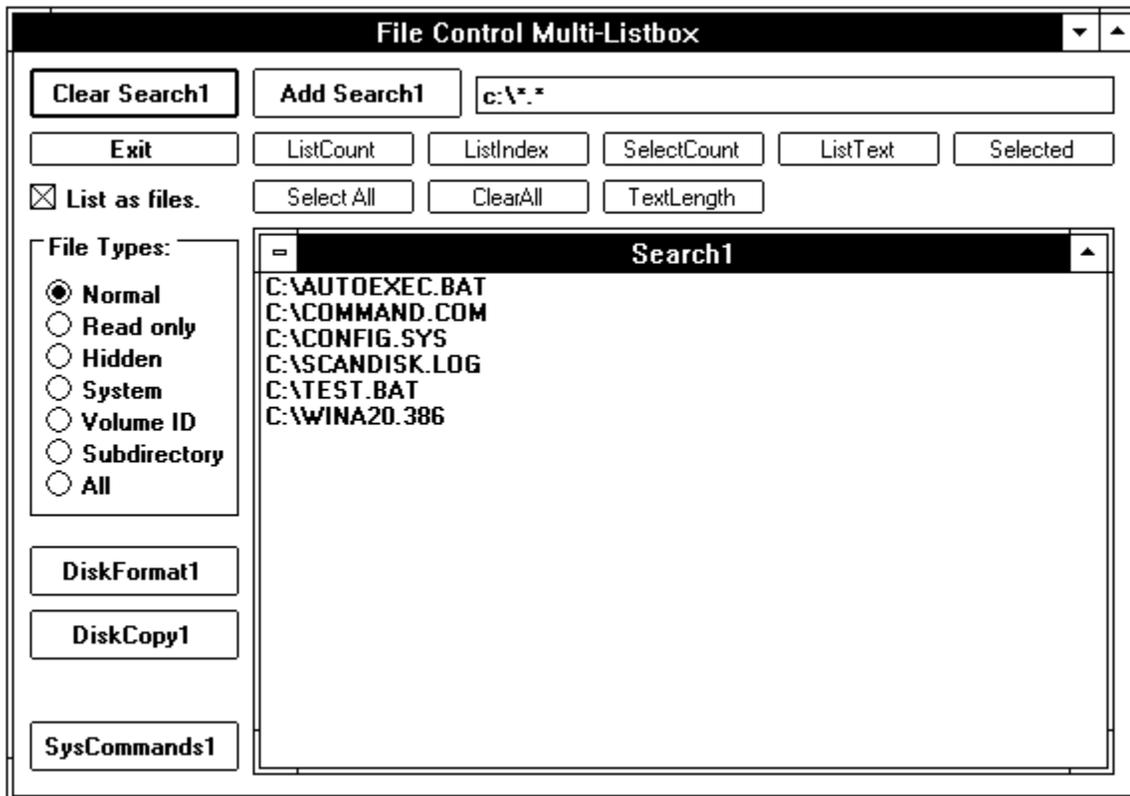


Figure 11 - File Manager Sample

Example Code:

```

Sub chkFiles_Click (Value as Integer)
    If chkFiles.Value = 0 Then
        Search1.FileList = 1    ' List Files
    Else
        Search1.FileList = 0    ' Normal List
    End If
End Sub

Sub cmdAdd_Click (Value As Integer)
    Dim strReturn As String

    Search1.FileType = iSelect
    Search1.AddItem txtAdd.Text
    DoEvents
End Sub

Sub cmdClear_Click (Value As Integer)
    Search1.Clear
End Sub

Sub cmdProperties_Click (Index As Integer)
    Dim I As Integer
    Dim strTemp As String

    Select Case Index
        Case 0
            MsgBox "ListCount = " & Search1.ListCount
        Case 1
            MsgBox "ListIndex = " & Search1.ListIndex
        Case 2
            MsgBox "SelectCount = " & Search1.SelectCount
        Case 3
            strTemp = Search1.ListText
            MsgBox "ListText = " & strTemp
        Case 4
            For I = 0 To Search1.ListCount - 1
                Search1.ListIndex = I
                If Search1.Selected <> 0 Then
                    strTemp = Search1.ListText
                    MsgBox "Selected = " & strTemp
                End If
            Next
        Case 5
            I = Search1.SelectAll
        Case 6
            I = Search1.SelectClear
        Case 7
            I = Search1.ListTextLength
            MsgBox "TextLength = " & I
    End Select
End Sub

Sub Form_Load ()
    Dim I As Integer

    Search1.AddItem "c:\*.*)"

```

```
I = Search1.FileType
optSelect(I).Value = True
chkFiles.Value = 1

Search1.PositionLeft = 120
Search1.PositionTop = 60
Search1.SizeHeight = 290
Search1.SizeWidth = 445
End Sub

Sub Search1_KeyUp (KeyCode As Integer, Shift As Integer)
    Dim strMessage As String
    Dim strAnswer, strDefVal, strTitle

    strTitle = "Search1 Property Demo"
    strMessage = "ListText = " & Search1.ListText

    MsgBox strMessage, MB_ICONINFORMATION, strTitle

    strMessage = "Enter an index value from 0 to " & Search1.ListCount - 1 & "."
    strDefVal = "0"
    strAnswer = InputBox(strMessage, strTitle, strDefVal)

    Search1.ListIndex = CInt(strAnswer)
    strMessage = "ListText = " & Search1.ListText

    MsgBox strMessage, MB_ICONINFORMATION, strTitle
End Sub
```

AdvControl About Box

AdvControl is supplied as a development tool providing disk utilities not normally found with Microsoft Visual Basic.



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