

SavoyLog ActiveX Control  
User Guide

## 1 Revision History

Version	Date	Name	Description
1.00	Nov, 13 <sup>th</sup> , 2009	Hikaru Okada	Created as new document

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### 3 SavoyLog

SavoyLog control is an assistant product to add logging feature to the application software. Text message will be displayed on the screen, too. If log file size exceeds specified size limit, SavoyLog creates backup file.

#### Properties

Name	Description
Appearance	Gets or sets the value that determines the appearance of a SavoyLog control.
BorderStyle	Gets or sets whether the SavoyLog control has a border.
Date	Gets or sets whether date is displayed on the screen
DateFormat	Gets or sets the format of date expression.
FontBold	Gets or sets whether font is normal or bold.
FontFaceName	Gets or sets font face name for list box.
FontItalic	Gets or sets whether font is normal or italic.
FontSize	Gets or sets the font height.
IniFileName	Gets or sets INI file name to read/write settings.
IniSection	Gets or sets section name in INI file to read/write settings.
LastLine	Gets or sets whether SavoyLog always selects last line in the list box.
LineMax	Gets or sets the maximum number of lines in list box.
Log	Gets or sets whether logging is enabled.
LogBakCount	Gets or sets the number of back-up file for logging.
LogFileName	Get or sets the log file name.
LogSize	Gets or sets the log file size in kilobyte.
SelectedLine	Gets or sets the selected line number.
Time	Gets or sets whether time is displayed on the screen

#### Methods

Name	Description
AboutBox	Opens version information dialog box on the screen.
Clear	Clears all the text in the list box.
LoadIniFile	Loads settings from INI file and initialize properties.
Setup	Opens setup dialog box on the screen.
Trace	Append text message to screen and log file.

## 3.1 Properties

### 3.1.1 Appearance

Gets or sets the value that determines the appearance of a SavoyLog control.

Value	Description
0	Flat
1	Etched

#### Syntax

Visual Basic 6.0

```
Appearance As Integer
```

Visual C++ 6.0

```
short GetAppearance()  
void SetAppearance(short)
```

#### Example

Visual Basic 6.0

```
.Appearance = 0 ' flat  
.Appearance = 1 ' sunken
```

Visual C++ 6.0

```
m_ctrl.SetAppearance(0); // flat  
m_ctrl.SetAppearance(1); // sunken
```

#### Remarks

Persistent property.

#### See Also

### 3.1.2 BorderStyle

Gets or sets whether the SavoyLog control has a border.

Value	Description
0	No border
1	Fixed single border

#### Syntax

```
Visual Basic 6.0  
  
BorderStyle As Integer
```

```
Visual C++ 6.0  
  
short GetBorderStyle()  
void SetBorderStyle(short)
```

#### Example

```
Visual Basic 6.0  
  
.BorderStyle = 0 ' no border  
.BorderStyle = 1 ' with border
```

```
Visual C++ 6.0  
  
m_ctrl.SetBorderStyle(0); // no border  
m_ctrl.SetBorderStyle(1); // with border
```

#### Remarks

Persistent property.

#### See Also

### 3.1.3 Date

Gets or sets whether date is displayed on the screen. If this property is True, date information will be inserted at the beginning of each line.

Value	Description
True	Date information will be inserted.
False	No date information will be inserted.

#### Syntax

Visual Basic 6.0
Date As Boolean

Visual C++ 6.0
BOOL GetDate() void SetDate(BOOL)

#### Example

Visual Basic 6.0
.Date = True

Visual C++ 6.0
m_ctrl.SetDate(true);

#### Remarks

Persistent property.

#### See Also

### 3.1.4 DateFormat

Gets or sets the format of date expression. User can select one of the followings:

Value	Description
0	YYYY/MM/DD
1	MM/DD/YYYY
2	DD/MM/YYYY
3	MMM, DDth, YYYY

Format 0 is used in Japan. Format 1 is popular in USA. Format 2 is used in most of the countries in Europe. Since sometimes people get confused among such numbers, format 3 is very effective to eliminate ambiguities. Format 3 uses first 3 letters of month in English expression, append st, nd, rd or th to the day, and 4-digit year expression.

#### Syntax

Visual Basic 6.0

```
DateFormat As Integer
```

Visual C++ 6.0

```
short GetDateFormat()  
void SetDateFormat(short)
```

#### Example

Visual Basic 6.0

```
.DateFormat = 3
```

Visual C++ 6.0

```
m_ctrl.SetDateFormat(3);
```

#### Remarks

Persistent property.

#### See Also



### 3.1.5 FontBold

Gets or sets whether font is normal or bold.

Value	Description
True	Bold
False	Normal weight

#### Syntax

Visual Basic 6.0
FontBold As Boolean

Visual C++ 6.0
BOOL GetFontBold() void SetFontBold(BOOL)

#### Example

Visual Basic 6.0
<pre>.FontFaceName = "Arial" .FontSize = 12 .FontBold = False .FontItalic = False</pre>

Visual C++ 6.0
<pre>m_ctrl.SetFontFaceName("Arial"); m_ctrl.SetFontSize(12); m_ctrl.SetFontBold(false); m_ctrl.SetFontItalic(false);</pre>

#### Remarks

Persistent property.

#### See Also

### 3.1.6 FontFaceName

Gets or sets font face name for list box.

#### Syntax

Visual Basic 6.0

```
FontFaceName As String
```

Visual C++ 6.0

```
CString GetFontFaceName()  
void SetFontFaceName(LPCTSTR)
```

#### Example

Visual Basic 6.0

```
.FontFaceName = "Arial"  
.FontSize = 12  
.FontBold = False  
.FontItalic = False
```

Visual C++ 6.0

```
m_ctrl.SetFontFaceName("Arial");  
m_ctrl.SetFontSize(12);  
m_ctrl.SetFontBold(false);  
m_ctrl.SetFontItalic(false);
```

#### Remarks

Persistent property.

#### See Also

### 3.1.7 FontItalic

Gets or sets whether font is normal or italic.

Value	Description
True	Italic
False	Normal

#### Syntax

Visual Basic 6.0
FontItalic As Boolean

Visual C++ 6.0
BOOL GetFontItalic() void SetFontItalic(BOOL)

#### Example

Visual Basic 6.0
<pre>.FontFaceName = "Arial" .FontSize = 12 .FontBold = False .FontItalic = False</pre>

Visual C++ 6.0
<pre>m_ctrl.SetFontFaceName("Arial"); m_ctrl.SetFontSize(12); m_ctrl.SetFontBold(false); m_ctrl.SetFontItalic(false);</pre>

#### Remarks

Persistent property.

#### See Also

### 3.1.8 FontSize

Gets or sets the font height.

#### Syntax

Visual Basic 6.0

FontSize As Long

Visual C++ 6.0

```
long GetFontSize()  
void SetFontSize(long)
```

#### Example

Visual Basic 6.0

```
.FontFaceName = "Arial"  
.FontSize = 12  
.FontBold = False  
.FontItalic = False
```

Visual C++ 6.0

```
m_ctrl.SetFontFaceName("Arial");  
m_ctrl.SetFontSize(12);  
m_ctrl.SetFontBold(false);  
m_ctrl.SetFontItalic(false);
```

#### Remarks

Persistent property.

#### See Also

### 3.1.9 IniFileName

Gets or sets INI file name to read/write settings. If INI file name is either full path name or containing relative reference of folder name, INI file will be created and read in such location. Otherwise, INI file will be created in Windows OS system folder. For this reason, it is highly recommended using with folder name. If current directory is the location, add “.” at the beginning.

Either “/” (slash) or “\” (back slash) can be used for separator of folder name.

#### Syntax

Visual Basic 6.0

```
IniFileName As String
```

Visual C++ 6.0

```
CString GetIniFileName()  
void SetIniFileName(LPCTSTR)
```

#### Example

Visual Basic 6.0

```
.IniFileName = “./Savoy.ini”
```

Visual C++ 6.0

```
m_ctrl.SetIniFileName(“./Savoy.ini”);
```

#### Remarks

Persistent property.

#### See Also

### 3.1.10 IniSection

Gets or sets section name in INI file to read/write settings. If multiple SavoyLog control were embedded in one project, it is possible to share same INI file by changing section name.

Default setting is "SavoyLog".

#### Syntax

Visual Basic 6.0

```
IniSection As String
```

Visual C++ 6.0

```
CString GetIniSection()  
void SetIniSection(LPCTSTR)
```

#### Example

Visual Basic 6.0

```
.IniSection = "Host" ' [Host] section
```

Visual C++ 6.0

```
m_ctrl.IniSection("Host"); // [Host] section
```

#### Remarks

Persistent property.

#### See Also

### 3.1.11 LastLine

Gets or sets whether SavoyLog always selects last line in the list box.

#### Syntax

Visual Basic 6.0

```
LastLine As Boolean
```

Visual C++ 6.0

```
BOOL GetLastLine()  
void SetLastLine(BOOL)
```

#### Example

Visual Basic 6.0

```
.LastLine = True
```

Visual C++ 6.0

```
m_ctrl.SetLastLine(true)
```

#### Remarks

Persistent property.

#### See Also

### 3.1.12 LineMax

Gets or sets the maximum number of lines in list box. If actual number of lines in the list box exceeded this number, SavoyLog will remove older lines.

#### Syntax

Visual Basic 6.0

```
LineMax As Integer
```

Visual C++ 6.0

```
short GetLineMax()  
void SetLineMax(short)
```

#### Example

Visual Basic 6.0

```
.LineMax = 5000
```

Visual C++ 6.0

```
m_ctrl.SetLineMax(5000);
```

#### Remarks

Persistent property.

#### See Also



### 3.1.13 Log

Gets or sets whether logging is enabled. If this property is enabled, processing information will be written in log file. If this property is disabled, nothing will be written in log file.

Value	Description
True	Write to log file
False	Do not write log file

#### Syntax

Visual Basic 6.0
Log As Boolean

Visual C++ 6.0
BOOL GetLog() void SetLog(BOOL)

#### Example

Visual Basic 6.0
.Log = True

Visual C++ 6.0
m_ctrl.SetLog(true);

#### Remarks

Persistent property.

#### See Also

### 3.1.14 LogBakCount

Gets or sets the number of back-up file for logging. If actual file size of log file exceeded LogSize property, SavoyLog control will rename the file name and make a new empty log file. If number of back-up file reached to the value of LogBakCount property, SavoyLog control will delete oldest back-up file.

#### Syntax

Visual Basic 6.0

```
LogBakCount As Integer
```

Visual C++ 6.0

```
short GetLogBakCount()  
void SetLogBakCount(short)
```

#### Example

Visual Basic 6.0

```
.LogBakCount = 10
```

Visual C++ 6.0

```
m_ctrl.SetLogBakCount(10);
```

#### Remarks

Persistent property.

#### See Also

### 3.1.15 LogFileName

Get or sets the log file name. Log file will be created in current directory.

#### Syntax

Visual Basic 6.0

```
LogFileName As String
```

Visual C++ 6.0

```
CString GetLogFileName()  
void SetLogFileName(LPCTSTR)
```

#### Example

Visual Basic 6.0

```
.LogFileName = "./Savoy"
```

Visual C++ 6.0

```
m_ctrl.SetLogFileName("./Savoy");
```

#### Remarks

Persistent property.

#### See Also

### 3.1.16 LogSize

Gets or sets the log file size in kilobyte. If actual file size of log file exceeded LogSize property, SavoyLog control will rename the file name and make a new empty log file. If number of back-up file reached to the value of LogBakCount property, SavoyLog control will delete oldest back-up file.

#### Syntax

Visual Basic 6.0

```
LogSize As Long
```

Visual C++ 6.0

```
long GetLogSize()  
void SetLogSize(long)
```

#### Example

Visual Basic 6.0

```
.LogSize = 1024
```

Visual C++ 6.0

```
m_ctrl.SetLogSize(1024);
```

#### Remarks

Persistent property.

#### See Also

### 3.1.17 SelectedLine

Gets or sets the selected line number. If this number is 0, the first line (top line) will be selected. If it is negative number, the last line (bottom line) will be selected. However, if LastLine property was True, the setting of SelectedLine property will be ignored and the last line will be always selected.

#### Syntax

Visual Basic 6.0

```
SelectedLine As Integer
```

Visual C++ 6.0

```
short GetSelectedLine()  
void SetSelectedLine(short)
```

#### Example

Visual Basic 6.0

```
.SelectedLine = -1
```

Visual C++ 6.0

```
m_ctrl.SetSelectedLine(-1);
```

#### Remarks

#### See Also

### 3.1.18 Time

Gets or sets whether time is displayed on the screen. If this property is True, time information will be inserted at the beginning of each line.

Value	Description
True	Time information will be inserted.
False	No time information will be inserted.

#### Syntax

Visual Basic 6.0
Time As Boolean

Visual C++ 6.0
BOOL GetTime() void SetTime(BOOL)

#### Example

Visual Basic 6.0
.Time = True

Visual C++ 6.0
m_ctrl.SetTime(true);

#### Remarks

Persistent property.

#### See Also

## 3.2 Methods

### 3.2.1 AboutBox

Opens version information dialog box on the screen.

#### Syntax

Visual Basic 6.0

```
Sub AboutBox()
```

Visual C++ 6.0

```
void AboutBox()
```

#### Return Value

None.

#### Example

Visual Basic 6.0

```
.AboutBox
```

Visual C++ 6.0

```
m_ctrl.AboutBox();
```

#### Remarks

#### See Also

### 3.2.2 Clear

Clears all the text in the list box.

#### Syntax

Visual Basic 6.0

```
Sub Clear()
```

Visual C++ 6.0

```
void Clear()
```

#### Return Value

None.

#### Example

Visual Basic 6.0

```
.Clear
```

Visual C++ 6.0

```
m_ctrl.Clear();
```

#### Remarks

#### See Also



### 3.2.3 LoadIniFile

Loads settings from INI file and initialize properties. If loading was failed, values in persistent resource will be set.

LoadIniFile method probably is called at the beginning of application, since it retrieves saved parameters by Setup method.

#### Syntax

Visual Basic 6.0

```
Function LoadIniFile() As Boolean
```

Visual C++ 6.0

```
BOOL LoadIniFile()
```

#### Return Value

Return true if loading was successful. Otherwise return false. If false was returned, IniFileName property or IniSection property might be incorrect.

#### Example

Visual Basic 6.0

```
Private Sub Form_Load()  
    SavoyLog1.LoadIni  
End Sub
```

Visual C++ 6.0

```
void CxxxView::OnInitialUpdate()  
{  
    ...  
    m_ctrl.LoadIni();  
    ...  
}
```

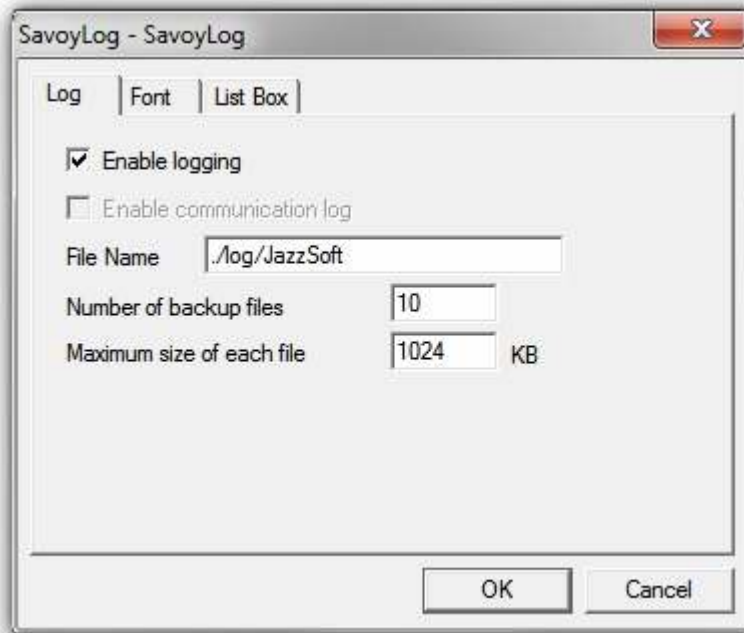
#### Remarks

#### See Also

### 3.2.4 Setup

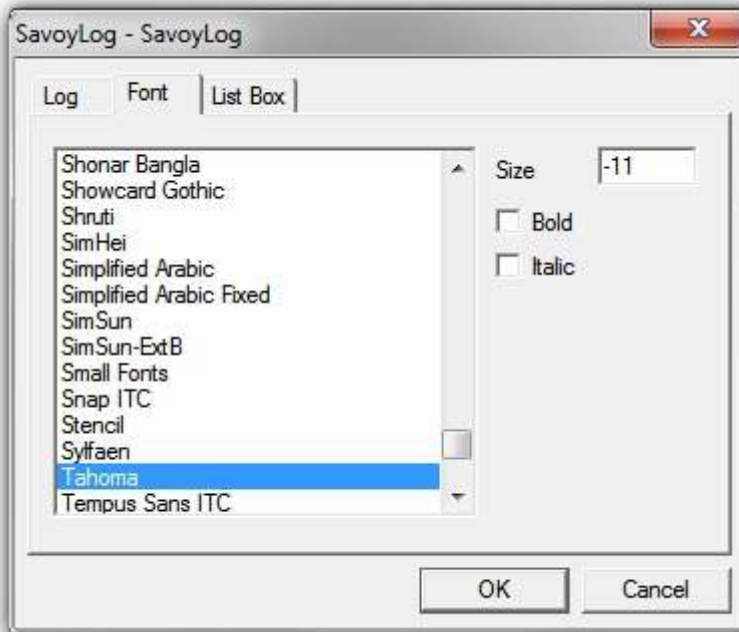
Opens setup dialog box on the screen. If user modified parameter and press OK button, data will be written in INI file.

#### Log Tab



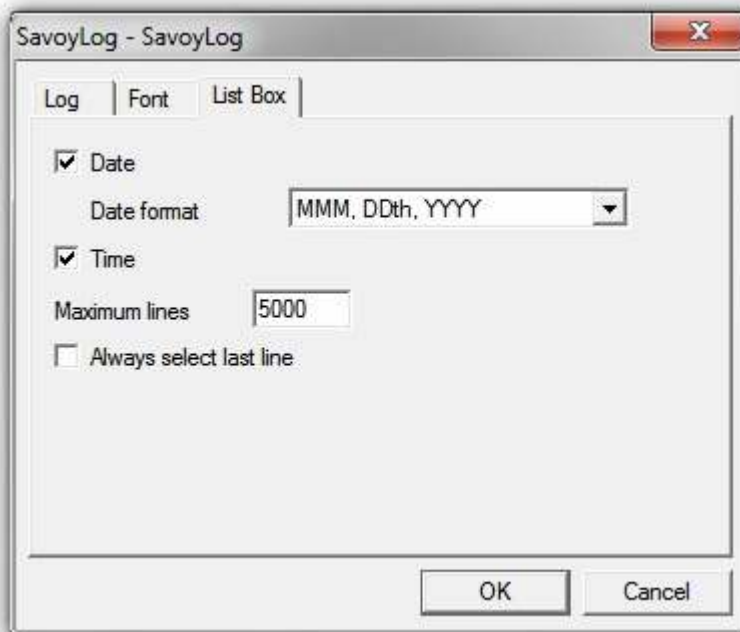
Item	Description
Enable logging	Checked if logging is enabled.
File name	Log file name.
Number of backup files	Number of backup files.
Maximum size of each file	Size of log file.

#### Font Tab



Item	Description
Font list box	All available fonts are displayed in this list box.
Size	Height of the font.
Bold	Checked if font is bold.
Italic	Checked if font is italic.

#### List Box Tab



Item	Description
Date	Checked if date information is inserted in list box.
Date format	Date format. Choose from followings: YYYY/MM/DD (Japan) MM/DD/YYYY (USA) DD/MM/YYYY (Europe) MMM, DDth, YYYY (strict expression)

Time	Checked if time information is inserted in list box.
Maximum lines	Maximum number of lines in list box.
Always select last line	Checked if last line is always selected.

### Syntax

Visual Basic 6.0
Function Setup(IpszCaption As String) As Boolean

Visual C++ 6.0
BOOL Setup(LPCTSTR IpszCaption)

Argument	Description
IpszCaption	Caption title of dialog box. If this value is NULL or "" (empty) string, the string of IniSection property will be used for caption title.

### Return Value

If user pressed OK button and parameters were saved in INI file successfully, Setup method returns true. If user pressed Cancel button or parameter saving was failed, Setup method returns false.

### Example

Visual Basic 6.0
.Setup "Savoy Logging Settings"

Visual C++ 6.0
m_ctrl.Setup("Savoy Logging Settings");

### Remarks

### See Also

### 3.2.5 Trace

Append text message to screen and log file.

#### Syntax

Visual Basic 6.0
<code>Sub Trace(IpszText As String)</code>

Visual C++ 6.0
<code>void Trace(LPCTSTR IpszText)</code>

Argument	Description
<code>IpszText</code>	Message to be displayed and logged into file.

#### Return Value

None.

#### Example

Visual Basic 6.0
<code>.Trace "Copyright(C) 2009 Jazz Soft, Inc."</code>

Visual C++ 6.0
<code>m_ctrl.Trace("Copyright(C) 2009 Jazz Soft, Inc.");</code>

#### Remarks

#### See Also