Manual

SuperGRID

for Delphi VCL

On and On

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Revision history

No	Date	Content	Version
1	2000/09/08	First edition shipment	1.0.0

Contents

1. With SuperGRID

Delphi is a Windows 10, Mac, mobile, native development environment that supports the development for the IoT.
You can build a multi-device applications that can connect to a variety of systems and devices.
In particular, the height of the development efficiency by object-oriented using a sophisticated variety of standard components and execution speed, does not fend off the other tools.
SuperGRID components, the first edition in 2000 in order to dramatically improve development productivity are shipped, we have responded to some of the version of Delphi up to now.
During this time, the beginning was developed for a major convenience store "public charge sorting system", adopted in mission critical systems development of a number of companies, it has been growing as more sophisticated components.

2. The details of the component

2.1 Unit

Vcl.ASGrid

2.2 Description

To a cell, I can display check box, a drop-down button, a drop-down list other than a letter.
Also, characters in units of columns, numbers, since that can set the date, can be omitted coding for data checking, it is possible to dramatically improve the development productivity.
The data to show Grid read it from a file, and a file can output it.
Here, I explain the good point of the SuperGRID component.

2.3 Feature

- **Button is displayed in the cell format**

I can choose a button form displayed by a cell from next.
Check box, drop-down button, drop-down list, ellipsis button, hide

Notice: **Use example (Visual NAVI)**

NO	カラム名	Null可?	データ型	長さ	表示	演算子	下限値	上限値	並び順序	昇順/降順
1	CUSTOMERID	×	NVARCHAR2	10	☑	=				
2	COMPANYNAME	×	NVARCHAR2	80	☑	=				
3	CONTACTNAME	○	NVARCHAR2	60	☑	=				
4	CONTACTTITLE	○	NVARCHAR2	60	☐	=				
5	ADDRESS	○	NVARCHAR2	120	☐	=				
6	CITY	○	NVARCHAR2	30	☐	=				
7	REGION	○	NVARCHAR2	30	☐	=				

- **Input form of the cell**

I can choose data form to input into a cell from next.
String, numeric, date

- **Drop-down calculator**

  In the case of numerical value input setting, a cell can use a drop-down calculator.

  The user can perform a simple calculation using an electronic calculator function during input and can in this way hand a result to a cell.

- **The drop-down calendar**

  If the cell is a date input setting, you can enter using the drop-down calendar.

- **Specifies the width of the drop-down list**

  The width of the drop-down list will be automatically adjusted to the maximum length of the field (string), but it can also be free to change the width of the list.

- **Extension of the movement keys**

  SuperGRID can move the cell by [Enter] (Return key) other than [Tab] (TAB key).

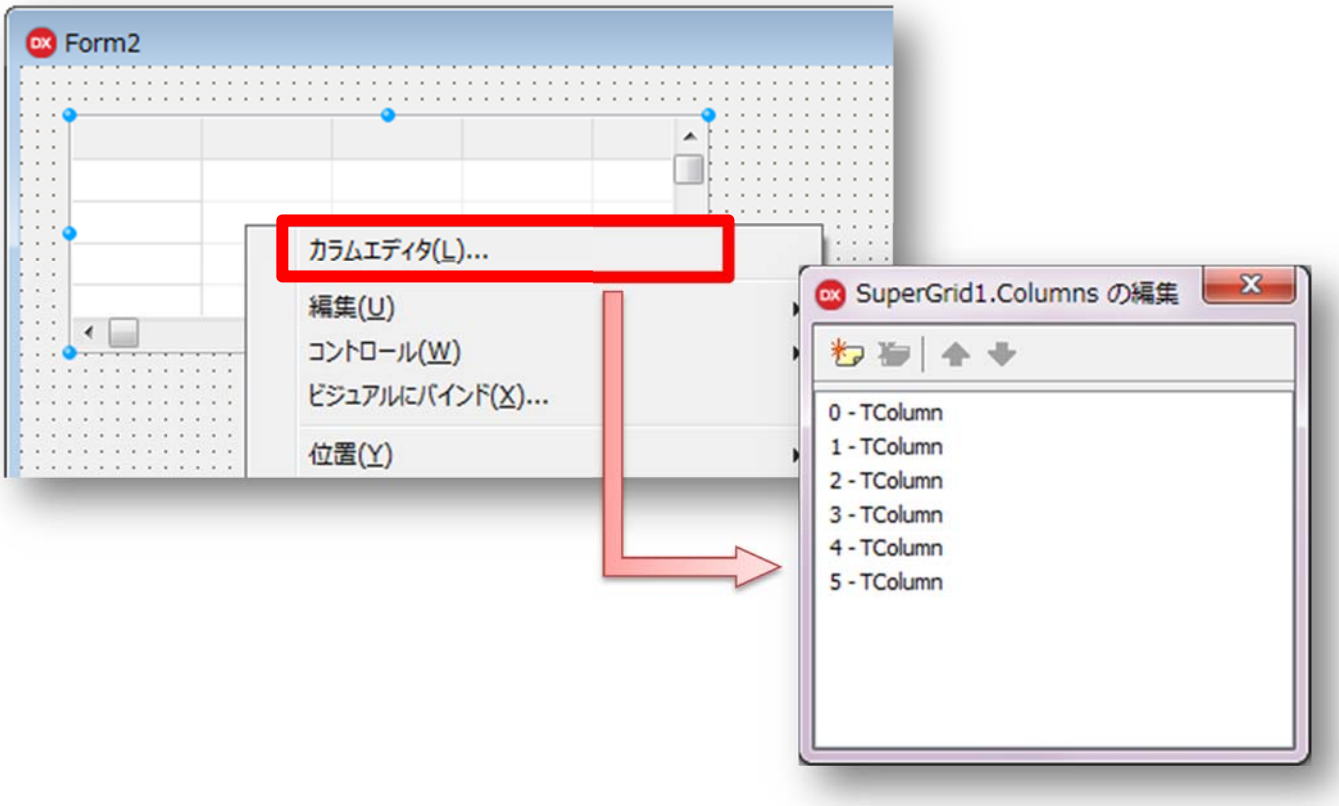
2.4 How to use

Step 1. I put SuperGRID component on Form from a component palette.

Step 2. display of the column editor

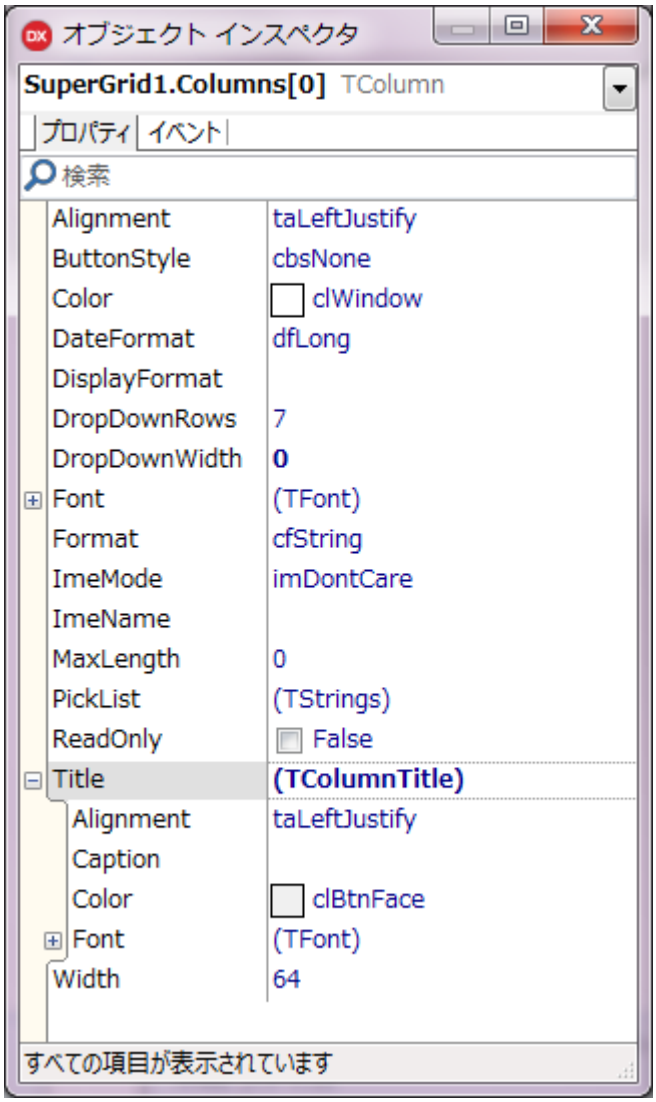
Right-click on the component, to display the context menu.

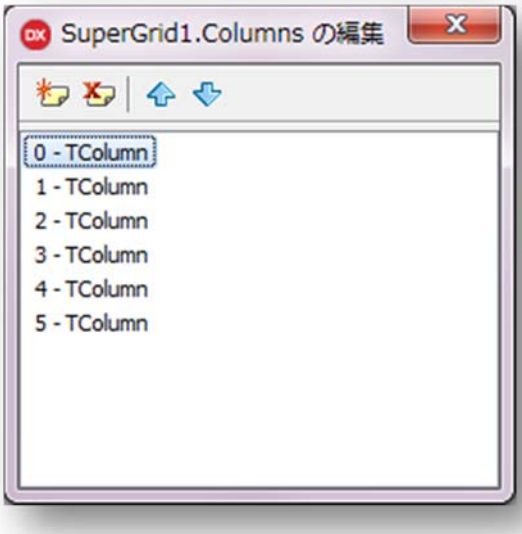
When you click the [column editor] on the menu, you will see the [Edit Columns] screen.



Step 3. I set a property of Columns(TSuperGridColumns)

Select the Column to be set in the edit screen, and set the property in the [Object Inspector].





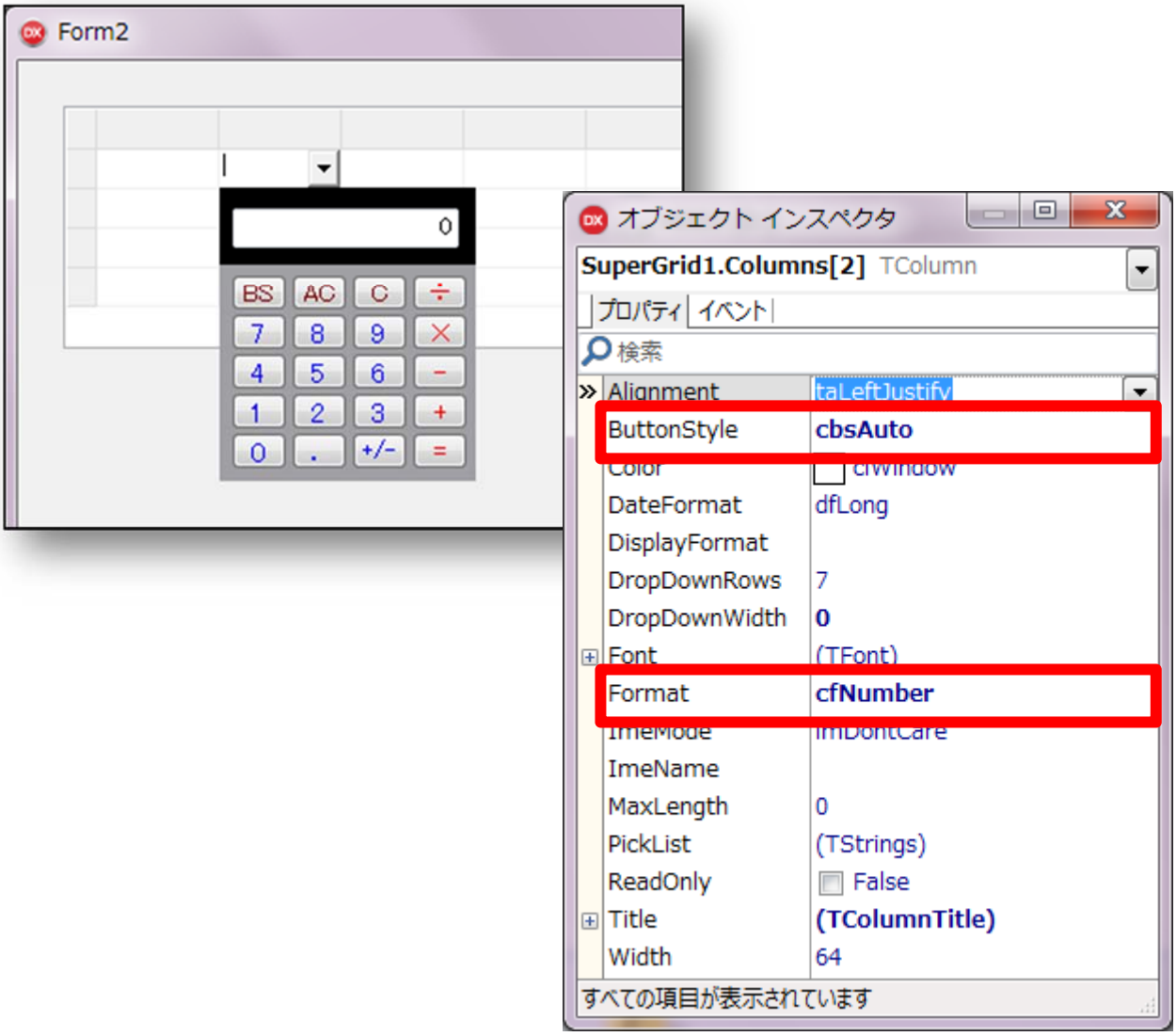
Step 4. Set the properties / events of SuperGRID

Finally I choose SuperGRID component and set a property and an event of SuperGRID in [object inspector].

2.5 To set the drop-down calculator

The drop-down calculator attached to the SuperGRID component is displayed under the cell when I click drop-down button at the time of practice.

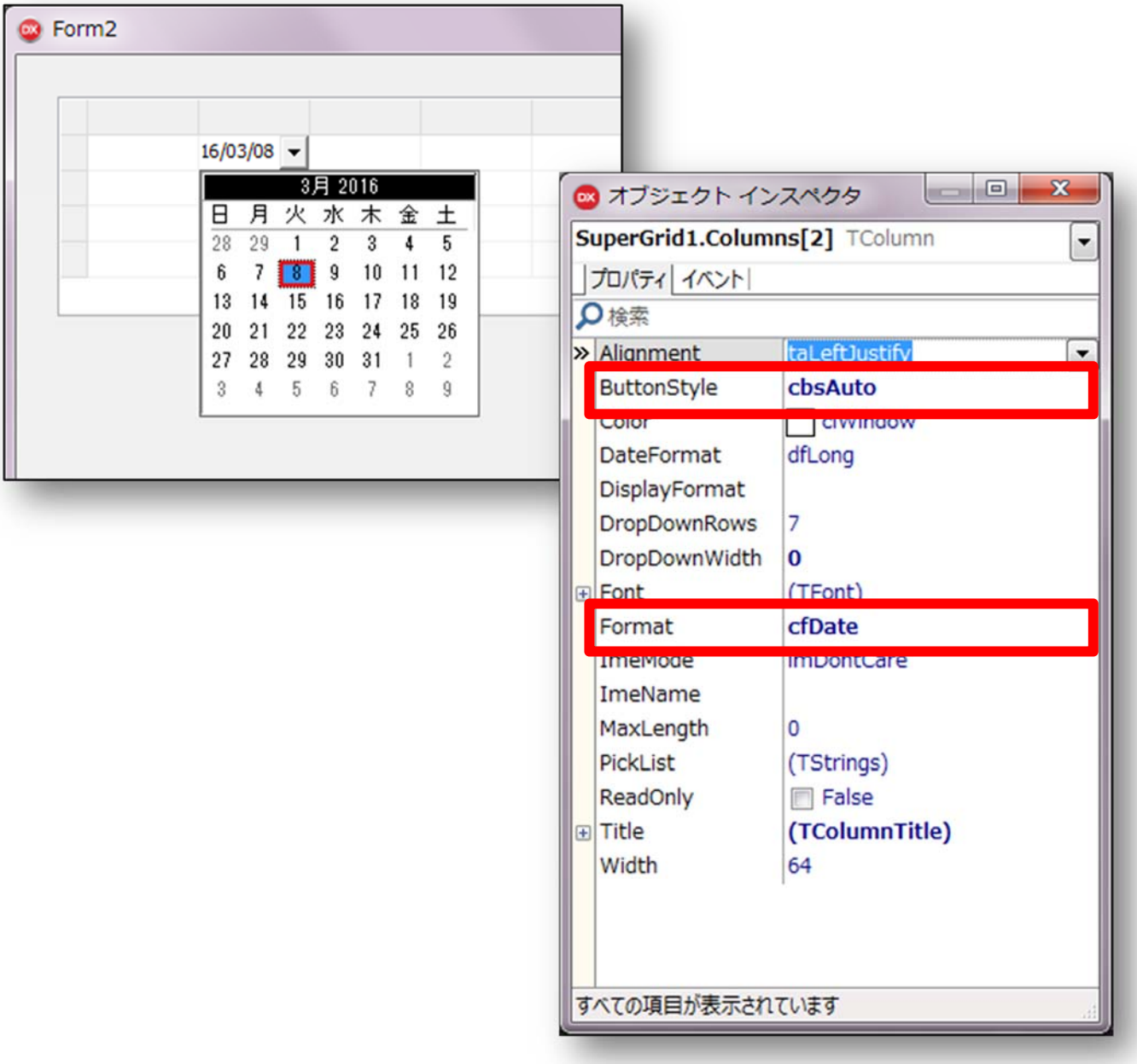
I set Format property in **ButtonStyle** property of TColumn in **cfNumber** in **cbsAuto** to display a drop-down button.



2.6 To set the drop-down calendar

The drop-down calendar attached to the SuperGRID component is displayed under the cell when I click drop-down button at the time of practice.

To display a drop-down button to **cbsAuto** the **ButtonStyle** property of TColumn, and set the **Format** property to **cfDate**.



2.7 Custom properties

Property name	Description	Page
Columns	It represents the display attributes of a column (for more information, see "Description of 6.Columns")	27
EnterLikeTab	Specifies whether to move the cell in the [Enter] key	27
GridStyle	Set whether the stripe display	28
Options	It sets the display and behavior of the grid	28
SelLength	It returns the number of characters that are selected in the InplaceEditor **(read-only)**	30
SelStart	First returns the position of the selected character in InplaceEditor **(read-only)**	30
SelText	In InplaceEditor, it shows the selected portion of the text **(read-only)**	30
StripeColor	Set the display color of the stripe	31
Version	SuperGRID version information is displayed (read-only)	31

2.8 Custom event

Event name	Description	Page
OnChange	It occurs when the InplaceEditor is called	32
OnChangeValue	It occurs when the value is changed in the grid	32
OnCheckCellClick	When check box was clicked, it occurs	33
OnColumnWidthChange	When column width was changed, it occurs	34
OnEllipsisClick	Will occur in the reference button is pressed	35
OnInvalidListValue	When the value that a drop-down list does not have was input, it occurs	36
OnNewRow	It occurs when a row is added	37
OnPicklistCloseUp	This occurs when you close the drop-down list	37
OnPicklistDropdown	When a drop-down list was displayed, it occurs	38

2.9 Custom method / function

Method / function name	Description	Page
ActiveEditor	It returns the InplaceEditor in the input state	39
Clear	It returns the InplaceEditor in the input state	39
ClearCol	All the contents of the specified column Clears	39
ClearRow	All the contents of the specified line Clears	40
CopyToClipboard	Copy the contents of the InplaceEditor to clipboard	40
CutToClipboard	Copy the contents of InplaceEdit to the clipboard, and then delete the contents	40
DeleteCols	From the specified column, and then delete the specified number of columns	41

Continuance

3. To install the component

The SuperGRID component is installed with SuperEDIT.

Here, I explain the installation procedure of the SuperEDIT component (I abbreviate it to a component as follows).

Please install a component in the Delphi development environment according to the next procedure.

- Installation of components
- Setting the library path
- Installation of the package

3.1 Installation of components

To use a component, you will need to copy the component to the hard disk.

This section describes how to install the components.

- **To end the Delphi**

All Delphi it has started to exit.

- **To start the setup program**

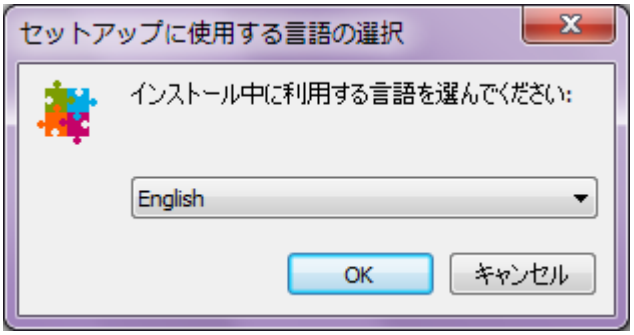
Start the downloaded "setup.exe".

If, when you see the screen of the [User Account Control], and then click [Yes].

- **Select the language you want to use to set up**

Please select a language to use during the installation.

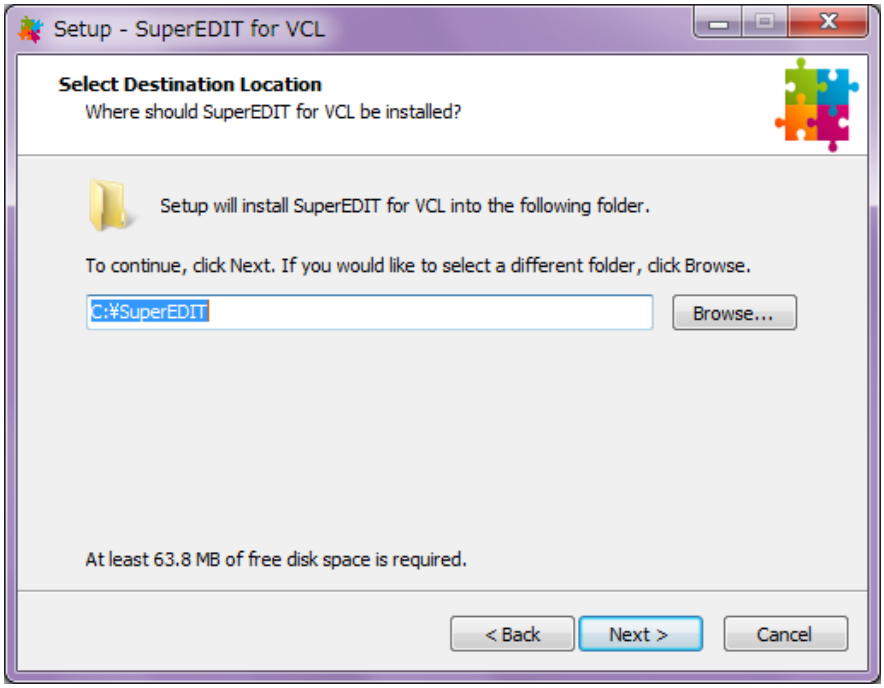
Here, select the "English" and click the [OK] button.



- **To verify the license agreement**

For this software, be asked to accept the "License Agreement" has become a condition of your use. In advance the contents well on the check, please use only if you agree.

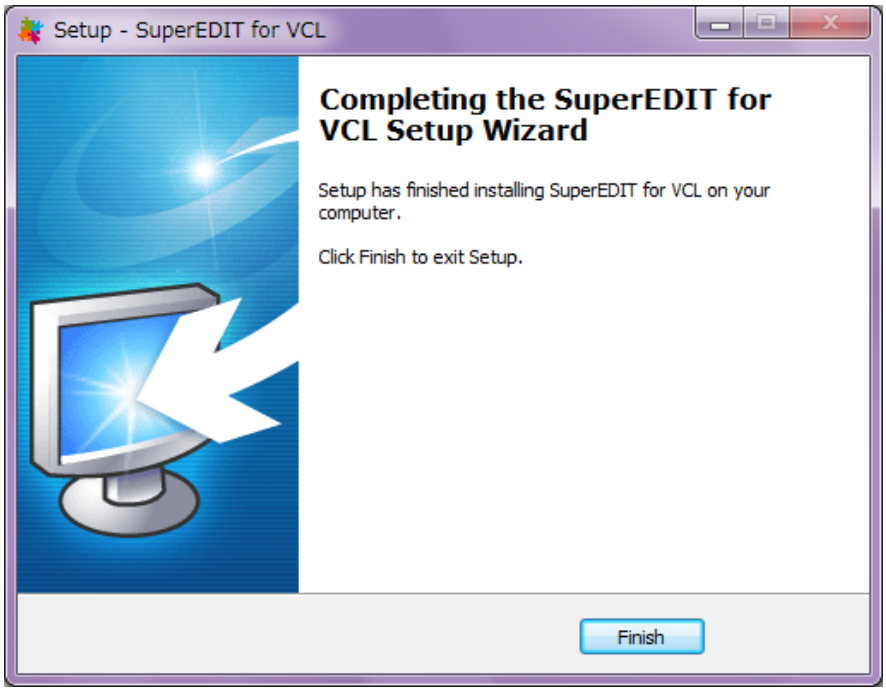
In [Setup - SuperEDIT for VCL] screen, specify the installation folder of the component (component of the destination), and then click [Next].



- **To exit the setup program**

When all of the files are copied to the hard disk, you will see the following screen.

Click [Finish] to complete the setup.



3.2 File organization

When the installation is done correctly, the next folder will be created on the hard disk.

This section describes the copy is the file in the folder.

Folder / subfolder name		Content
D2007 *1		Delphi 2007 32-bit environment *.bpl / *.dcp: Compiled package files *.dcu: Component body *.res: Resource file
D2010 *1		The contents are the same as above
DXE7	Win32	Delphi XE7 For for 32-bit environment (the contents are the same as above)
	Win64	Delphi XE7 For for 64-bit environment (the contents are the same as above)
DXE8	Win32	Delphi XE8 For for 32-bit environment (the contents are the same as above)
	Win64	Delphi XE8 For for 64-bit environment (the contents are the same as above)
DXE10	Win32	Delphi 10 Seattle For for 32-bit environment (the contents are the same as above)
	Win64	Delphi 10 Seattle For for 64-bit environment (the contents are the same as above)
DXE101	Win32	Delphi 10.1 Berlin For for 32-bit environment (the contents are the same as above)
	Win64	Delphi 10.1 Berlin For for 64-bit environment (the contents are the same as above)
DLL		SE32.DLL: Dynamic link library for 32-bit environment SE64.DLL: Dynamic link library for 64-bit environment
DOC		LicenseAgreement.pdf: License Agreement SuperEDIT_Manual_JP.pdf: Japanese manual (SuperEDIT) SuperEDIT_Manual_EN.pdf: English manual (SuperEDIT) SuperGRID_Manual_JP.pdf: Japanese manual (SuperGRID) SuperGRID_Manual_EN.pdf: English manual (SuperGRID)

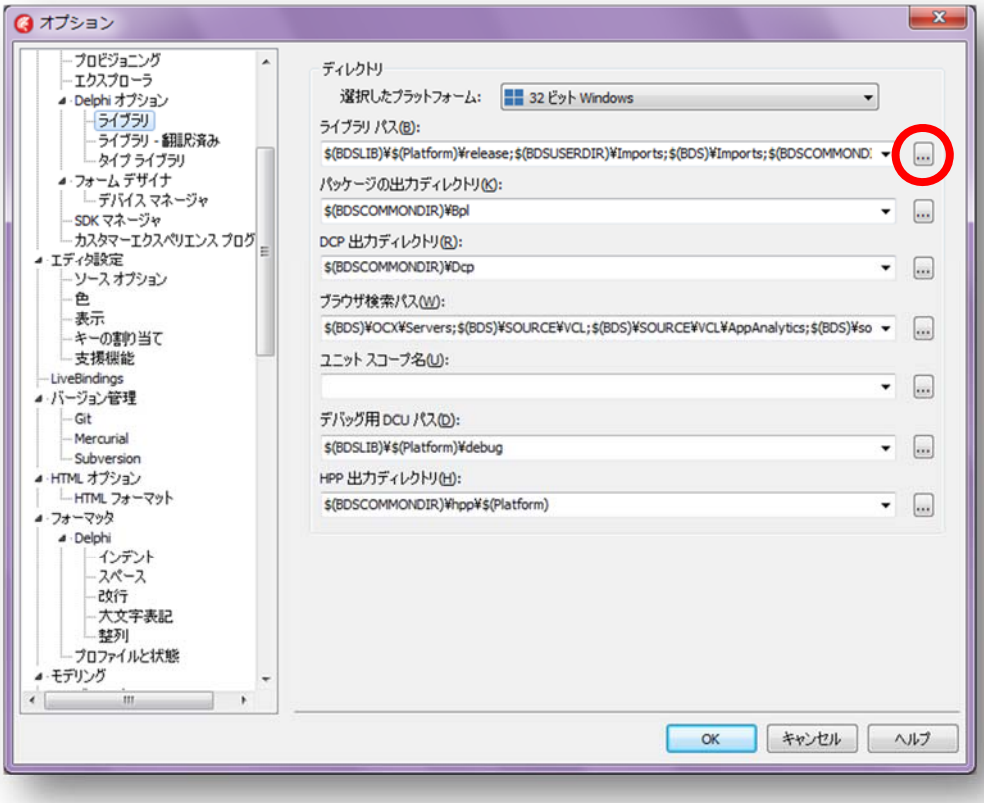
*** 1: The 32-bit only and will.**

3.3 Setting the library path

Components are not street compilation and not in the folder in your path.

To do this, you need to set the library path of Delphi. This section describes the "Delphi XE8" as an example.

[Tools], click [Options], and then display the [Options] screen.



- **Selection of Delphi options**

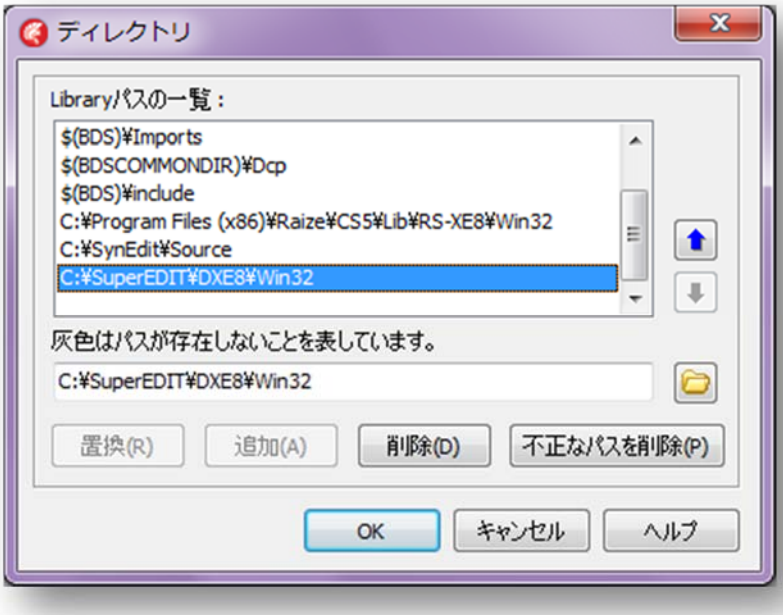
From the left side of the pane, [Delphi Options], and then select the [Library].

- **Setting the library path**

Select the "32-bit Windows" in the [Selected platform] in the right pane.

Next, click the Browse button in the [Library Path] (**circles**), of the components that you have installed, set the folder that matches the Delphi version you are using, and then click the [Add] button.

In this example, it specifies a 32-bit environment of Delphi XE8. (**C:\SuperEDIT\DXE8\Win32**)



Finally is complete, click the [OK] button.

Continue to the setting of the 64-bit environment.

Select the "64-bit Windows" in the [Selected platform], you can make settings of the library path of a 32-bit same 64-bit environment.

For example, it will be "**C:\SuperEDIT\DXE8\Win64**".

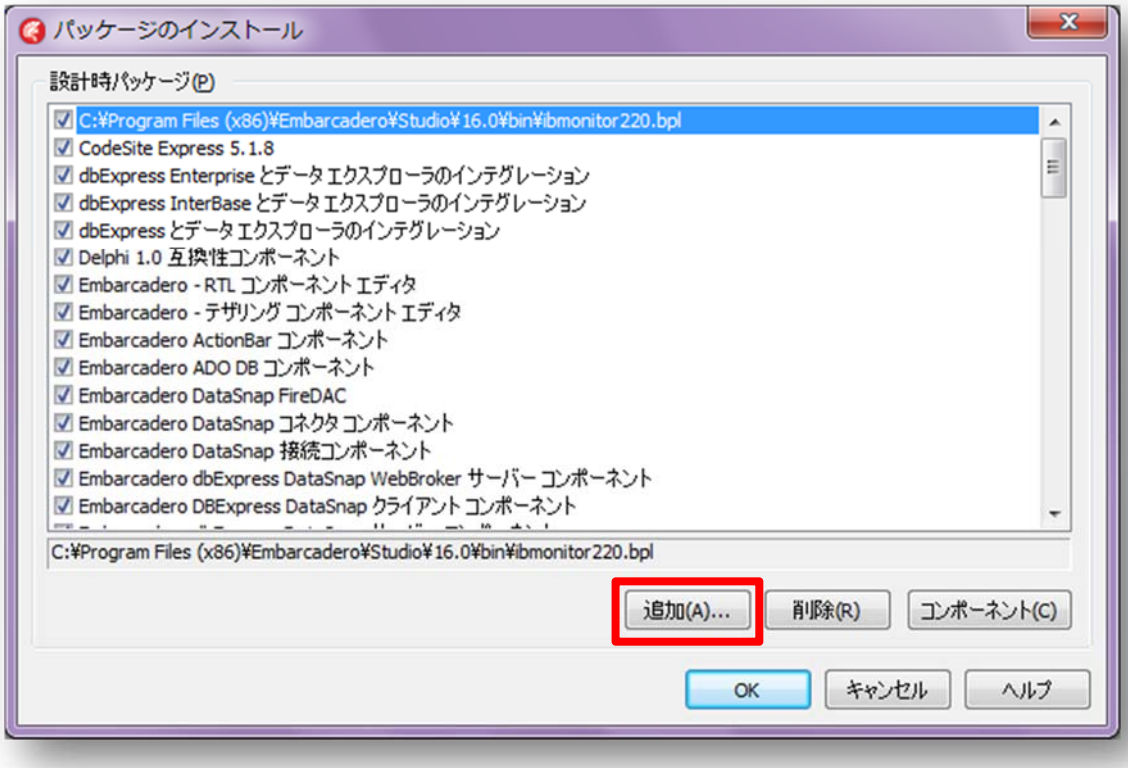
3.4 Installation of the package

Finally, install the "design-time package" in Delphi.

When the installation is done correctly, an icon will appear in the component palette.

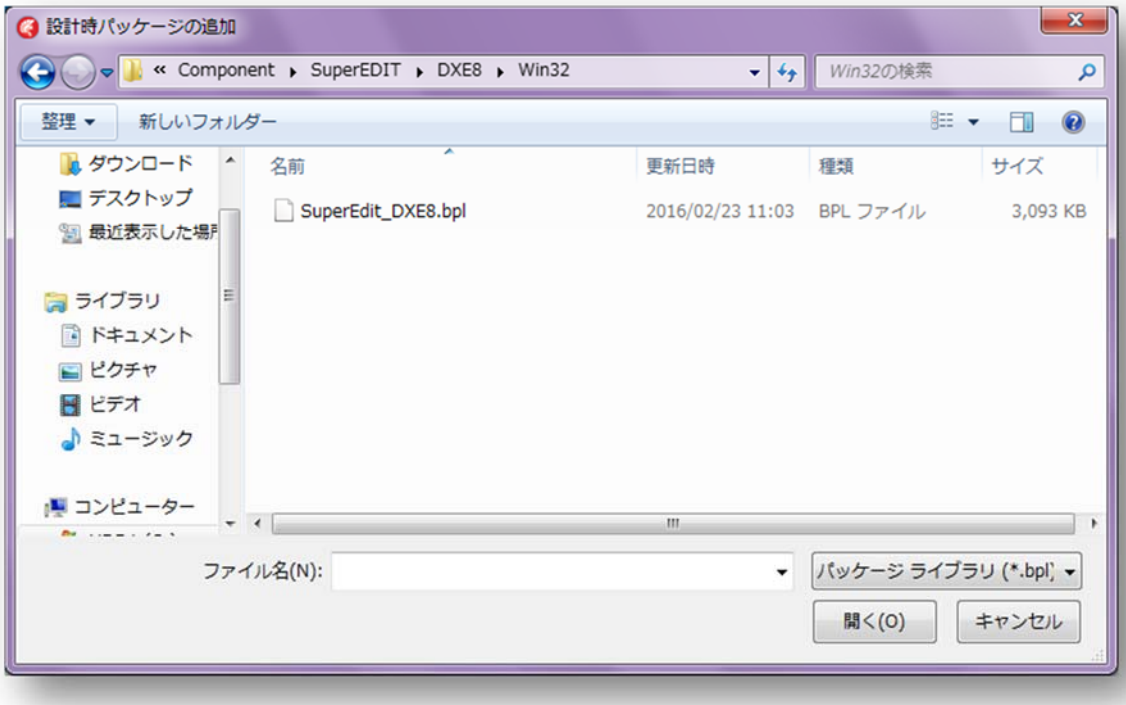
[Components], then click the [Install package], and then display the package installation of the screen.

Click the [Add] button (**red frame**).

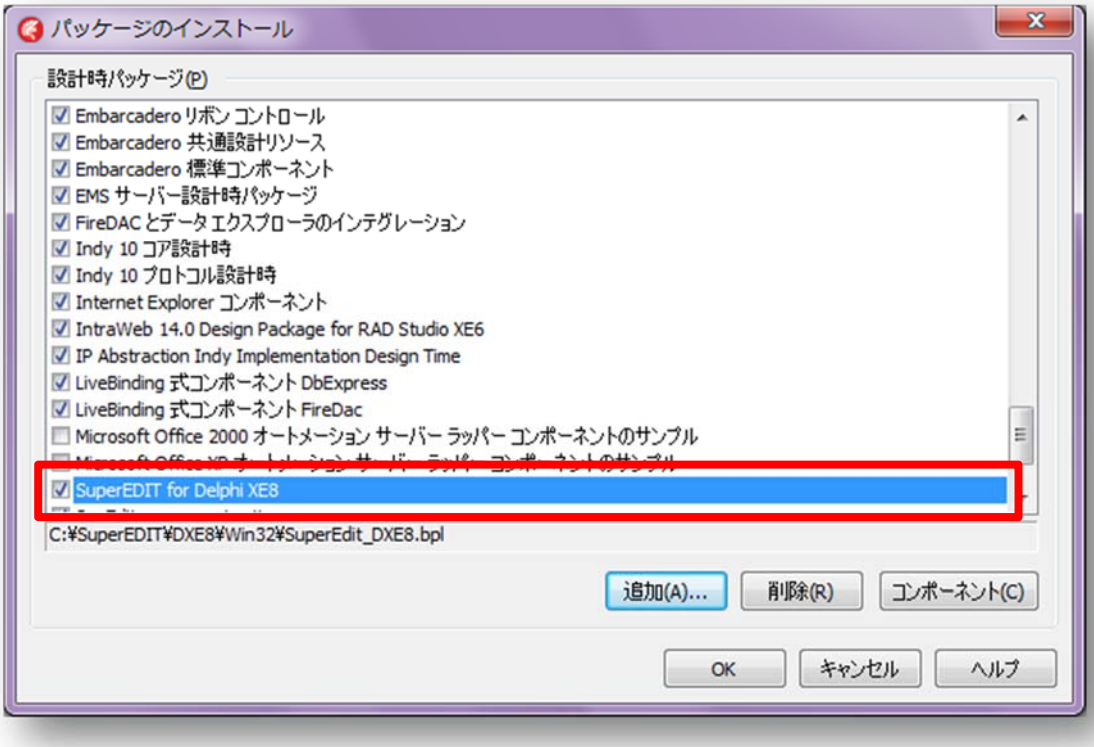


- **Adding Components**

Package file of the same components as the Delphi version to use (extension, bpl), and then click the [Open] button.



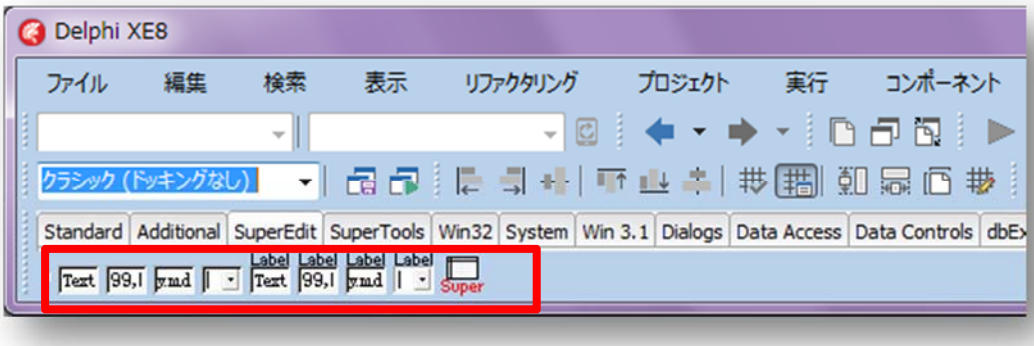
When properly package is installed, you will like the following screen.



Finally is complete, click the [OK] button.

When the installation is done correctly, an icon will appear in the component palette.

Notice: If the display of classic



3.5 For SuperEDIT dynamic link library

Applications that have been developed using SuperEDIT, it must have run during the next dynamic link library (DLL).

- SE32.DLL: 32-bit dynamic link library for the environment.
- SE64.DLL: dynamic link library for the 64-bit environment.

Please use to copy the suits DLL to the environment to "**the same folder as the execution module.**"

4. To uninstall the component

Uninstall of SuperEDIT, perform the following steps.

- **To end the Delphi**

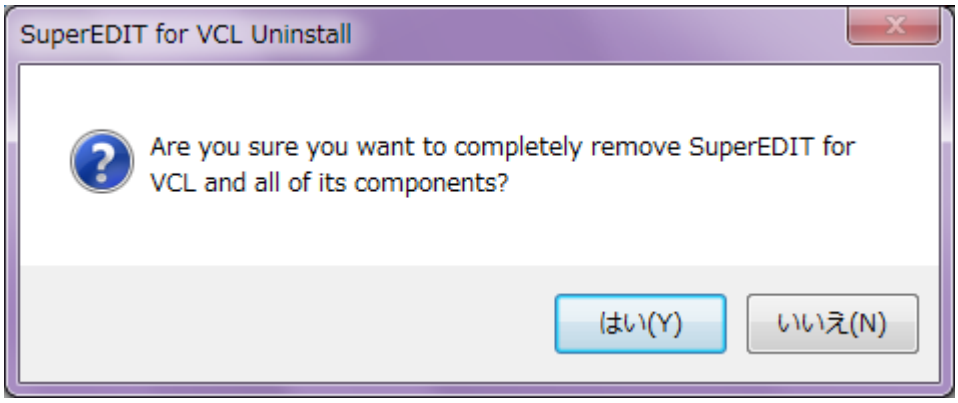
All Delphi it has started to exit.

- **To start the uninstall program**

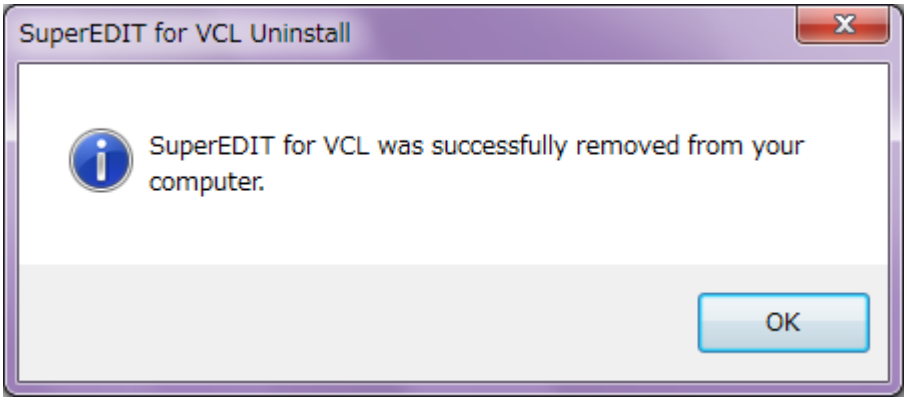
Select [Programs and Features] in Control Panel, please go deletion of application (uninstall).

When the screen of the [User Account Control] appears, click [Yes].

Confirmation screen of the uninstallation appear. Click [Yes] to run the uninstall.



When properly uninstall is executed, so you will see the following screen and click the [OK] button, and exit.



- **To delete a SuperEDIT dynamic link library**

DLL that you copied to the run folder (**SE32.DLL** / **SE64.DLL**) Please also deleted.

Uninstall or more, it was all completed.

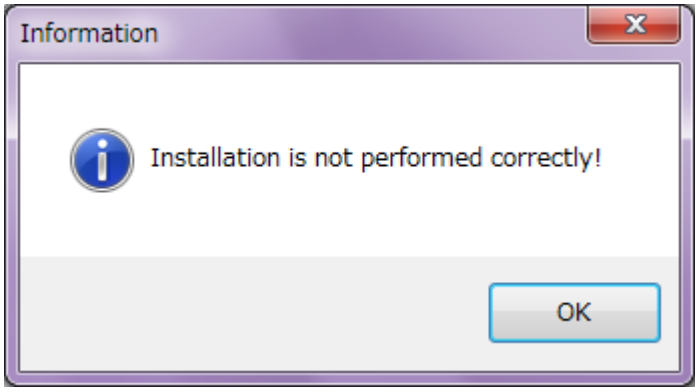
5. About Message Display

This section describes the messages that are displayed during the SuperEDIT run.

- **"Installation has not been done correctly!"**

This message, SuperEDIT dynamic link library will be displayed when there is no to run the application folder.

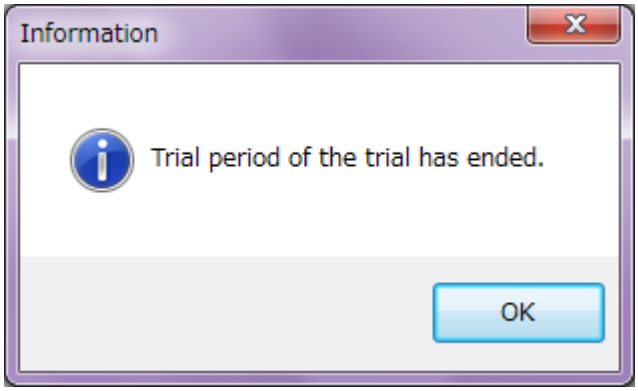
In the folder "**SE32.DLL** (or, **SE64.DLL**)" to copy, please re-start the application.



- **"Trial period of the trial has ended."**

This message is displayed when the trial period of SuperEDIT (30 days) has passed.

If you want to use these products, thank you to purchase and registration of license.



6. Description of Columns (TSuperGridColumns)

Columns property represents the display attributes of the column, and then used to read and set the column display attributes of SuperGRID.

Columns property is TColumn object indexed collections. Using the properties of the TColumn object to specify the display attributes of each column in the SuperGRID.

Columns property, or set in the column editor at design time, and you can set the program at the time of execution.

6.1 Property

Property name	Description	Page
Alignment	Set how to align the text in the column	18
ButtonStyle	Set the button format that is displayed in the cell	18
Color	Set the background color of the column	19
DateFormat	Set the input format of date	19
DisplayFormat	It sets the display format of date	20
DropDownRows	It specifies the maximum number of lines of the items that you want to appear in the drop-down list	20
DropDownWidth	Set the drop-down list width	21
Font	Set the column of font	21
Format	Set the data format of the cell	21
ImeMode	Determines the behavior of the input method editor (IME)	22
ImeName	Sets the IME (kana-kanji conversion program)	22
MaxLength	It sets the maximum length of characters that can be entered into a cell	23
PickList	Set the item that you want to appear in the drop-down list	23
ReadOnly	Sets whether or not to enable editing the data to be displayed in the column	23
Title	Set the column title (For more information, see "Description of 7.TColumnTitle Class")	24
Width	Set the column width	24

6.2 Description of Property

Alignment

Alignment property specifies how to align the text in the column.

When you use the Alignment property, left-justified the value column of, right, you can specify whether to any center-aligned.

Declaration

```
property Alignment: TAlignment;
```

Description

Alignment property specifies how to align the text in the column.

Value	Description
taCenter	Set the text to "centered"
taLeftJustify	Set the text to the "Left"
taRightJustify	Set the text to the "Right"

ButtonStyle

ButtonStyle property specifies the button format that is displayed in the cell.

Declaration

```
type
TColumnButtonStyle = (cbsAuto, cbsCheckBox, cbsEllipsis, cbsNone, cbsPickList);
property ButtonStyle: TColumnButtonStyle;
```

Description

ButtonStyle property specifies the button format that is displayed in the cell.

Value	Description
cbsAuto	When the **Format** property is [**cfNumber**] [**cfDate**], to display a drop-down button
cbsCheckBox	It displays a check box to the cell
cbsEllipsis	To display the "Ellipsis" button on the cell
cbsNone	It does not display the button in the cell
cbsPickList	To display a drop-down button. It displays a list of buttons is set to be when PickList property pressed

Color

Color property sets the background color of the column.

Declaration

```
property Color: TColor;
```

Description

Color property specifies the background color of SuperGRID column. Color is either set to one of the constants (such as **clBlue**), which is defined in the Graphics unit, you can set an explicit RGB integer value.

DateFormat

DateFormat property specifies the input format of date.

Declaration

```
type TdateFormat = (dfShort, dfLong);
property DateFormat: TDateFormat;
```

Description

DateFormat property specifies the input format of date.

ButtonStyle property **cbsAuto**, Format property is valid at the time of the **cfDate**.

Value	Description
dfLong	Year be entered in the (AD) 4 digits (default)
dfShort	Year be entered in the (AD) 2 digits

DisplayFormat

DisplayFormat property specifies the display format of numbers and dates.

Declaration

```
property DisplayFormat: String;
```

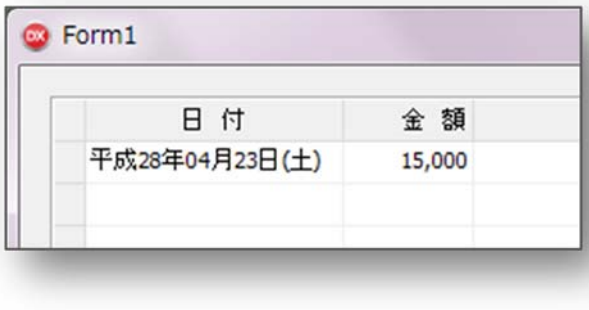
Description

DisplayFormat property specifies the display format of numbers and dates. When a cell loses the input focus, it is edited in the form of DisplayFormat property. Format property cfDate (date), cfNumber (numeric)
Is valid only when the.

Example of the use of DisplayFormat

The following code sets the display format of 2, 3 row.

```
procedure TForm1.FormCreate（Sender: TObject）;
begin
  SuperGrid1.Columns[1].Format := cfDate;
  SuperGrid1.Columns[2].Format := cfNumber;
  SuperGrid1.Columns[1].DisplayFormat := 'gggee"年"mm"月"dd"日"(aaa)';
  SuperGrid1.Columns[2].DisplayFormat := '#,##0';
end;
```



DropDownRows

DropDownRows property sets the maximum number of lines of the items that you want to appear in the drop-down list.

Declaration

```
property DropDownRows: Cardinal;
```

Description

DropDownRows property sets the maximum number of lines of the items that you want to appear in the drop-down list.

DropDownWidth

DropDownWidth property sets the drop-down list width.

Declaration

```
property DropDownWidth: Integer;
```

Description

DropDownWidth property sets the drop-down list width.

Notice: The default value is 0 (do not change the size).

Font

Font property sets the font used to display the data in the column.

Declaration

```
property Font: TFont;
```

Description

Font property, the height of the text when you view the data in the column, font name, attributes (bold, italic) Sets the like.

Notice: TFont, please refer to the help of Delphi.

Format

Format property sets the data format to be entered into a cell.

Declaration

```
type TColumnFormat = (cfDate, cfNumber, cfString);
property Format: TColumnFormat;
```

Description

Format property sets the data format to be entered into a cell.

Value	Description
cfDate	It will be the date format of the cell (which is the input check)
cfNumber	It will be the numerical form of the cell (which is the input check)
cfString	It will be the cell of the character format

ImeMode

ImeMode property specifies the behavior of the IME (kana-kanji conversion program) when you want to edit the column.

Declaration

```
property ImeMode: TImeMode;
```

Description

Determines the behavior of the input method editor (IME).

Set ImeMode to configure the way an IME processes user keystrokes. An IME is a front-end input processor for Asian language characters. The IME hooks all keyboard input, converts it to Asian characters in a conversion window, and sends the converted characters or strings on to the application.

ImeMode allows a control to influence the type of conversion performed by the IME so that it is appropriate for the input expected by the control. For example, a control that only accepts numeric input might specify an ImeMode of imClose, as no conversion is necessary for numeric input.

ImeName

ImeName property specifies the IME (kana-kanji conversion program).

Declaration

```
property ImeName: TImeName;
```

Description

Specifies the input method editor (IME) to use for converting keyboard input to Asian language characters.

Set ImeName to specify which IME to use for converting keystrokes. An IME is a front-end input processor for Asian language characters. The IME hooks all keyboard input, converts it to Asian characters in a conversion window, and sends the converted characters or strings on to the application.

ImeName must specify one of the IMEs that has been installed through the Windows control panel. The property inspector provides a drop-down list of all currently installed IMEs on the system. At runtime, applications can obtain a list of currently installed IMEs from the global Screen variable.

If ImeName specifies an unavailable IME, the IME that was active when the application started is used instead. No exception is generated.

MaxLength

MaxLength property specifies the maximum length of characters that can be entered into a cell.

Declaration

```
property MaxLength: Integer;
```

Description

MaxLength property specifies the maximum length of characters that can be entered into a cell.

PickList

PickList property specifies the item that you want to appear in the drop-down list.

Declaration

```
property PickList: TStrings;
```

Description

PickList property specifies the item that you want to appear in the drop-down list.

ReadOnly

ReadOnly property specifies whether to enable editing the data to be displayed in the column.

Declaration

```
property ReadOnly: Boolean;
```

Description

ReadOnly property specifies whether to enable editing the data to be displayed in the column.

If the ReadOnly property is set to True, the user can not change the value of the column at the time of execution.

If ReadOnly is in False, and the Options property goEditing flag has been set, you can edit the data directly.

Title

Title property specifies the title of the column.

Declaration

```
property Title: TColumnTitle;
```

Description

Title property specifies the title of the column. (For more information, see the 7.ColumnTitle).

Width

Width property indicates the width of the column.

Declaration

```
property Width: Integer;
```

Description

Width property specifies the width of the column, in pixels.

If the Options property **goColSizing** flag is set, the user can change the size of the column at the time of execution.

7. Description of Column Title class

TColumnTitle class specifies the display attributes of the title.

7.1 Property

Property name	Description	Page
Alignment	It specifies how to align the text of the title	25
Caption	Set the column title	26
Color	It specifies the background color of title	26
Font	It specifies the font of the title	26

7.2 Description of Property

P Alignment

Alignment property specifies how to align the text of the title.

Declaration

```
property Alignment: TAlignment;
```

Description

Alignment property specifies how to align the text of the title.

When you use the Alignment property, left-justified the value column of, right, you can specify whether to any center-aligned.

Value	Description
taCenter	Set the text to "centered"
taLeftJustify	Set the text to the "Left"
taRightJustify	Set the text to the "Right"

Caption

Caption property sets the title of the column.

Declaration

```
property Caption: String;
```

Description

Caption property sets the title of the column.

Color

Color property specifies the background color of the title.

Declaration

```
property Color: TColor;
```

Description

Color property specifies the background color of the title.

Color is either set to one of the constants (such as **clBlue**), which is defined in the Graphics unit, you can set an explicit RGB integer value.

Font

Font property specifies the title of the font.

Declaration

```
property Font: TFont;
```

Description

Font property of the text when displaying the title height, font name, attributes (bold, italic) Specifies the like.

Notice: TFont, please refer to the help of Delphi.

8. Description of custom properties

Columns

Columns property represents the display attributes of a column.

Declaration

```
property Columns: TSuperGridColumns;
```

Description

Columns property represents the display attributes of a column.

For more information on TSuperGridColumns, see the "Description of 6.Columns".

EnterLikeTab

EnterLikeTab property specifies whether to move the cell in the [Enter] key.

Declaration

```
property EnterLikeTab: Boolean;
```

Description

EnterLikeTab property specifies whether to move the cell in the [Enter] key.

Value	Description
True	Move the cell in the [Enter] key
False	Do not move in the [Enter] key the cell (the default)

GridStyle

GridStyle property specifies whether or not to stripe display.

Declaration

```
type TGridStyle = (gsNormal, gsStriped);
property GridStyle: TGridStyle;
```

Description

GridStyle property specifies whether or not to stripe display.

Stripe color is specified in the GridStyleColor property.

Value	Description
gsNormal	Stripe does not display (default)
gsStriped	Stripes display

Options

Options property specifies the appearance and behavior of the grid.

Declaration

```
property Options: TGridOptions;
```

Description

Options property specifies the appearance and behavior of the grid.

Value	Description
goFixedVertLine	Vertical lines are drawn to separate the fixed (nonscrolling) columns in the grid.
goFixedHorzLine	Horizontal lines are drawn to separate the fixed (nonscrolling) rows in the grid.
goVertLine	Vertical lines are drawn to separate the scrollable columns in the grid.
goHorzLine	Horizontal lines are drawn to separate the scrollable rows in the grid.
goRangeSelect	Users can select ranges of cells at one time. **goRangeSelect** is ignored if Options includes **goEditing**.
goDrawFocusSelected	Cells with input focus are drawn with a special highlight color, just like selected cells without input focus. If **goDrawFocusSelected** is not included, the cell with input focus is distinguished by a focus rectangle, not by a special background color.

Continuance

Value	Description
goRowSizing	Scrollable rows can be individually resized.
goColSizing	Scrollable columns can be individually resized.
goRowMoving	Scrollable rows can be moved using the mouse.
goColMoving	Scrollable columns can be moved using the mouse.
goEditing	Users can edit the contents of cells. When **goEditing** is included in Options, **goRangeSelect** has no effect.
goTabs	Users can navigate through the cells in the grid using TAB and SHIFT+TAB.
goRowSelect	Entire rows are selected rather than individual cells. If **goRowSelect** is included in Options, **goAlwaysShowEditor** has no effect.
goAlwaysShowEditor	The grid is locked into edit mode. The user does not need to press ENTER or F2 to turn on EditorMode. If Options does not include **goEditing**, **goAlwaysShowEditor** has no effect. If Options includes **goRowSelect**, **goAlwaysShowEditor** has no effect.
goThumbTracking	The grid image updates while the user is dragging the thumb of the scroll bar. If **goThumbTracking** is not included, the image does not update until the user releases the thumb in a new position.
goFixedColClick	The grid supports clicking fixed columns. **goFixedColClick** is useful when you have fixed columns in the grid control.
goFixedRowClick	The grid supports clicking fixed rows. **goFixedRowClick** is useful when you have fixed rows in the grid control.
goFixedHotTrack	The grid support hot-tracking of fixed columns or rows. **goFixedHotTrack** instructs the grid to highlight the fixed cells whenever the mouse passes over them.

SelLength

SelLength property returns the number (in bytes) of the characters that are selected in the InplaceEditor.

Declaration

```
property SelLength: Integer;
```

Description

SelLength property returns the number (in bytes) of the characters that are selected in the InplaceEditor.

(Read-only)

SelStart

SelStart property, returns the first position of the selected character in InplaceEditor.

Declaration

```
property SelStart: Integer;
```

Description

SelStart property, returns the first position of the selected character in InplaceEditor. **(Read-only)**

SelText

SelText property, in InplaceEditor, shows the selected portion of the text.

Declaration

```
property SelText: String;
```

Description

SelText property, in InplaceEditor, shows the selected portion of the text. **(Read-only)**

StripeColor

StripeColor property, specify the color of the stripe.

Declaration

```
property StripeColor: TColor;
```

Description

StripeColor property, specify the color of the stripe.

GridStyle property is valid only when **gsStriped**. The following shows the value of StripeColor.

Value	Description
clAqua	Cyan (default)
Notice: Others, please refer to the help TColor type of Delphi.	

Version

Version property, version information of SuperGRID is displayed.

Declaration

```
property Version: String;
```

Description

Version property, version information of SuperGRID is displayed. **(Read-only)**

9. Description of custom event

E OnChange

OnChange event occurs when the InplaceEditor is called.

InplaceEditor is called when you want to change the value of the cell.

Declaration

```
type TNotifyEvent = procedure（Sender: TObject） of object;
property OnChange: TNotifyEvent;
```

Description

OnChange event occurs when the InplaceEditor is called.

If there are **goEditing** in Options, it will be effective. By using this event procedure, you can grab the input timing to data entered in a cell.

E OnChangeValue

OnChangeValue event occurs when the value has been changed in the grid.

Declaration

```
type
TchangeValueEvent = procedure(Sender: TObject; ACol, ARow: Integer; OldValue,
  NewValue: String) of object;
property OnChangeValue: TChangeValueEvent;
```

Description

OnChangeValue event occurs when the value has been changed in the grid.

By using this event procedure, you can grab the timing at which the value of the cell has been changed.

ACol: Integer

Column of the cell whose value has changed has been set.

ARow: Integer

Row of the cell value has changed has been set.

OldValue: String

Value before the change of the cell has been set.

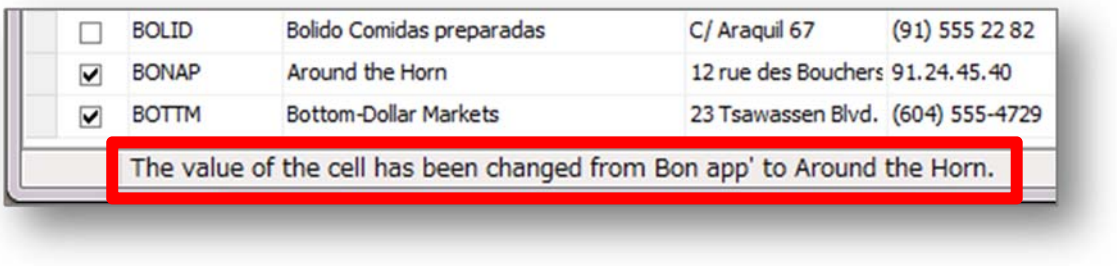
NewValue: String

The value of the cell after the change has been set.

Example of the use of OnChangeValue events

The following code displays the changes in the status bar when the value of the cell is changed.

```
procedure TForm1.SuperGrid1ChangeValue(Sender: TObject; ACol, ARow: Integer;
  OldValue, NewValue: string);
const
  Msg = 'The value of the cell has been changed from %s to %s.';
begin
  StatusBar1.Panels[1].Text := Format(Msg, [OldValue, NewValue]);
end;
```



OnCheckCellClick

OnCheckCellClick event occurs when the check box is clicked.

Declaration

```
type
TcheckCellClickEvent = procedure(Sender: TObject; ACol, ARow: Integer;
  Check: Boolean) of object;
property OnCheckCellClick: TCheckCellClickEvent;
```

Description

OnCheckCellClick event occurs when the check box is clicked.

ACol: Integer

It shows the columns of the cell.

ARow: Integer

It shows the row of cells.

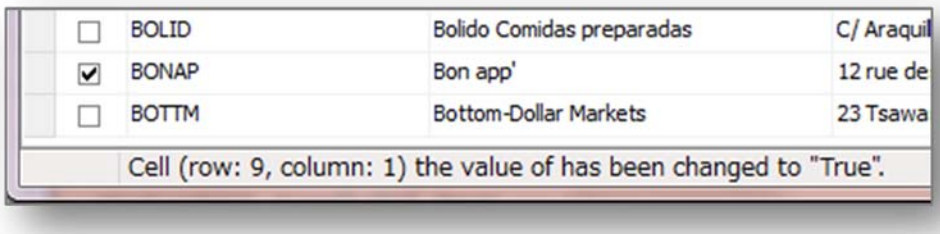
Check: Boolean

The value of the clicked check box has been set.

Example of the use of OnClick CellClick events

The following code displays the changes in the status bar When the check box is clicked.

```
procedure TForm1.SuperGrid1CheckCellClick(Sender: TObject; ACol, ARow: Integer;
  Check: Boolean);
const
  Msg = 'Cell (row: %s, column: %s) the value of has been changed to "%s".';
var
  v: String;
begin
  StatusBar1.Panels[1].Text := '';
  if Check then v := 'True' else v := 'False';
  StatusBar1.Panels[1].Text := Format(Msg, [IntToStr(ARow), IntToStr(ACol), v]);
end;
```



E OnColumnWidthChange

OnColumnWidthChange event occurs when a column width is changed.

Declaration

```
type TNotifyEvent = procedure (Sender: TObject) of object;
property OnColumnWidthChange: TNotifyEvent;
```

Description

OnColumnWidthChange event occurs when a column width is changed.

E OnEllipsisClick

OnEllipsisClick event occurs when the Browse button is pressed.

Declaration

```
type
TEllipsisClickEvent = procedure (Sender: TObject; ACol, ARow: Integer) of object;
property OnEllipsisClick: TEllipsisClickEvent;
```

Description

OnEllipsisClick event occurs when the Browse button is pressed.

ACol: Integer

Browse button is pressed, the column of the cell has been set.

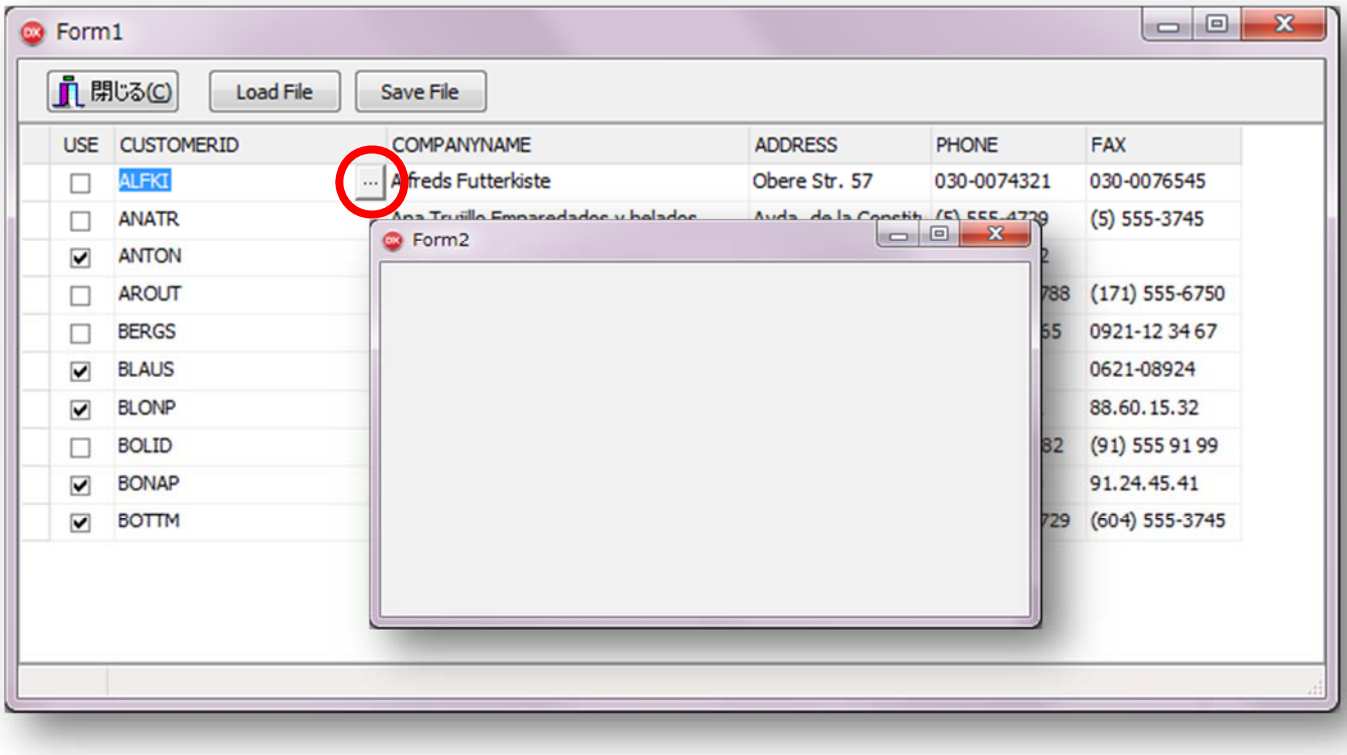
ARow: Integer

Browse button is pressed, the row of the cell has been set.

OnEllipsisClick イベントの使用例

The following code, if the reference button (**red circle**) is pressed, to display the search screen (TForm2).

```
procedure TForm1.SuperGrid1EllipsisClick(Sender: TObject; ACol, ARow: Integer);
begin
  Form2 := TForm2.Create(Application);
  Form2.ShowModal;
  Form2.Release;
end;
```



E OnInvalidListValue

OnInvalidListValue event occurs when there is no value in the drop-down list has been input.

Declaration

```
type
TInvalidListValueEvent = procedure(Sender: TObject; ACol, ARow: Integer;
  var ShowList: Boolean) of object;
property OnInvalidListValue: TInvalidListValueEvent;
```

Description

OnInvalidListValue event occurs when there is no value in the drop-down list has been input.

ACol: Integer

It shows the columns of the cell.

ARow: Integer

It shows the row of cells.

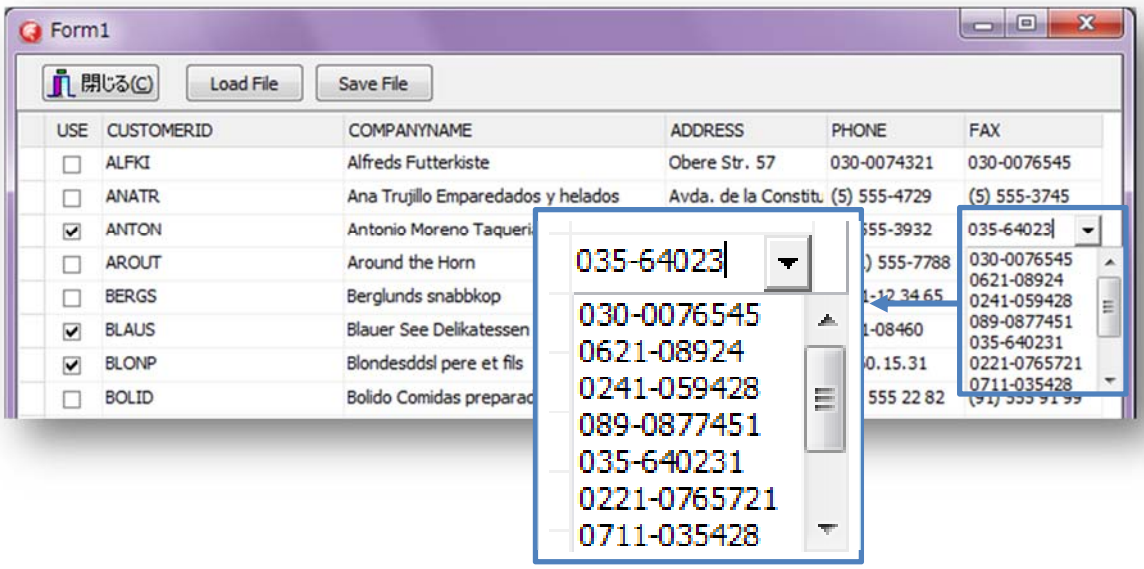
ShowList: Boolean

When set to True ShowList, you can open the list.

Example of the use of OnInvalidListValue events

The following code, if not in the list value is input, to display the list.

```
procedure TForm1.SuperGrid1InvalidListValue(Sender: TObject; ACol,
  ARow: Integer; var ShowList: Boolean);
begin
  ShowList := True;
end;
```



E OnNewRow

OnNewRow event occurs when a row is added.

Declaration

```
type TNotifyEvent = procedure（Sender: TObject） of object;
property OnNewRow: TNotifyEvent;
```

Description

OnNewRow event occurs when a row is added.

E OnPicklistCloseUp

OnPicklistCloseUp event occurs when you close the drop-down list.

Declaration

```
type
TPicklistCloseUpEvent = procedure (Sender: TObject; ACol, ARow: Integer;
  ItemIndex: Integer; var ListValue: Variant) of object;
property OnPicklistCloseUp: TPicklistCloseUpEvent;
```

Description

OnPicklistCloseUp event occurs when you close the drop-down list.

ACol: Integer

It shows the columns of the cell.

ARow: Integer

It shows the row of cells.

ItemIndex: Integer

Item number of the selected list has been set.

The index value of the item in the first of the list is the index value of the item of Me 0, the second is 1, also the index is allocated sequentially thereafter.

ListValue: Variant

The selected item name has been set.

E OnPicklistDropdown

OnPicklistDropdown event occurs when the drop-down list is displayed.

Declaration

```
type
TPicklistDropdownEvent = procedure (Sender: TObject; ACol, ARow: Integer;
  var Picklist: TStrings) of object;
property OnPicklistDropdown: TPicklistDropdownEvent;
```

Description

OnPicklistDropdown event occurs when the drop-down list is displayed.

ACol: Integer

It shows the columns of the cell.

ARow: Integer

It shows the columns of the cell.

Picklist: TStrings

The value of the list has been set in the String.

10. Description of custom methods / functions

F ActiveEditor

ActiveEditor function returns the InplaceEdit in the input state.

Declaration

```
function ActiveEditor: TInplaceEdit;
```

Description

ActiveEditor function returns the InplaceEdit in the input state.

M Clear

Clear method, all the contents of the grid to clear.

Declaration

```
procedure Clear;
```

Description

Clear method, all the contents of the grid to clear.

M ClearCol

ClearCol method clears all the contents of the specified column.

Declaration

```
procedure ClearCol(ACol: Integer);
```

Description

ClearCol method clears all the contents of the specified column.

ACol: Integer

It shows the columns of the cell.

ClearRow

ClearRow method clears all the specified line.

Declaration

```
procedure ClearRow(ARow: Integer);
```

Description

ClearRow method clears all the specified line.

ARow: Integer

It shows the columns of the cell.

CopyToClipboard

CopyToClipboard method copies the contents of the InplaceEdit to the clipboard.

Declaration

```
procedure CopyToClipboard;
```

Description

CopyToClipboard method copies the contents of the InplaceEdit to the clipboard.

CutToClipboard

CutToClipboard method is to copy the contents of the InplaceEdit to the clipboard, and then delete the contents of the TInplaceEdit.

Declaration

```
procedure CutToClipboard;
```

Description

CutToClipboard method is to copy the contents of the InplaceEdit to the clipboard, and then delete the contents of the TInplaceEdit.

DeleteCols

DeleteCols method, from the specified column, and then delete the specified number of columns.

Declaration

```
procedure DeleteCols(ACol, Count: Integer);
```

Description

DeleteCols method, from the specified column (ACol), to delete the specified number of columns (Count).

ACol: Integer

Set the column to start the deletion.

Count: Integer

You set the number of columns that you want to delete.

Example of the use of DeleteRow method

The following code, delete the first column (the point to the second column from the left).

```
procedure TForm1.Button1Click(Sender: TObject);
begin
  SuperGrid1.DeleteCols(1, 1);
end;
```

DeleteRows

DeleteRows method, from the specified line, remove the specified number of rows.

Declaration

```
procedure DeleteRows(ARow, Count: Integer);
```

Description

DeleteRows method, from the specified line (ARow), to delete the specified number of rows (Count).

ARow: Integer

It sets the line to start the deletion.

Count: Integer

It sets the number of rows to be deleted.

DropDownList

DropDownList method, to display a drop-down list in the specified cell.

Declaration

```
procedure DropDownList(ACol, ARow: Integer);
```

Description

DropDownList method, to display a drop-down list in the specified cell (ACol, ARow) when the following conditions.

[Display conditions]

1. **goAlwaysShowEditor** is included in the property of the Options.
2. ButtonStyle properties of the specified column (ACol) is **cbsPickList**.

ACol: Integer

Set the column of cells that display a drop-down list.

ARow: Integer

Set the row of cells that display a drop-down list.

InsertCols

InsertCols method, from the specified column, insert the column of the specified number.

Declaration

```
procedure InsertCols(ACol, Count: Integer);
```

Description

InsertCols method, from the specified column (ACol), and then insert a column of the specified number (Count).

ACol: Integer

Set the column to start the insertion.

Count: Integer

You set the number of columns to be inserted.

InsertRows

InsertRows method, from the specified line, insert the specified number of rows.

Declaration

```
procedure InsertRows(ARow, Count: Integer);
```

Description

InsertRows method, from the specified line (ARow), inserts a row for the specified number (Count).

ARow: Integer

Set the row coordinate to start the insert.

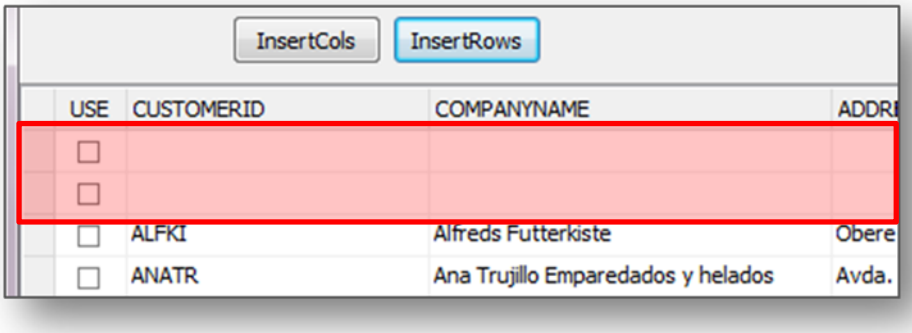
Count: Integer

It sets the number of rows to be inserted.

Example of the use of InsertRow method

The following code, and insert two rows from the first row (point to the second row from the top).

```
procedure TForm1.Button1Click(Sender: TObject);
begin
  SuperGrid1.InsertRows(1, 2);
end;
```



IsEditor

IsEditor function returns either InplaceEdit are displayed.

Declaration

```
function IsEditor: Boolean;
```

Description

IsEditor function returns either InplaceEdit are displayed.

Value	Description
True	InplaceEdit are displayed
False	InplaceEdit is not displayed

IsSelect

IsSelect function returns either InplaceEdit the selected state.

Declaration

```
function IsSelect: Boolean;
```

Description

IsSelect function returns either InplaceEdit the selected state.

Value	Description
True	That character is selected
False	It is not selected characters

LoadFromFile

LoadFromFile method reads the contents of the file to the grid.

Declaration

```
procedure LoadFromFile(FileName: String; DelimiterChar: Char); overload; virtual;
procedure LoadFromFile(FileName: String; DelimiterChar: Char;
  Encoding : TEncoding); overload; virtual;
```

Description

LoadFromFile method reads the contents of the file to the grid. Data format is the CSV format.

FileName: String

Specify the name of the file to read.

Encoding: TEncoding

It specifies the encoding of character. (**Caution. only a valid Unicode version of Delphi)**

Example of the use of LoadFromFile method

The following code reads the data in the grid. (File format, Shift-JIS)

```
procedure TForm1.Button1Click(Sender: TObject);
begin
  SuperGrid1.LoadFromFile('D:\Delphi.exe\GridData.txt');
end;
```

The following code reads the data in the grid. (File format, **UTF-8**)

```
procedure TForm1.Button1Click(Sender: TObject);
begin
  SuperGrid1.LoadFromFile('D:\Delphi.exe\GridData.txt', TEncoding.UTF8);
end;
```

M PasteFromClipboard

PasteFromClipboard method, paste the contents of the clipboard into InplaceEdit.

Declaration

```
procedure PasteFromClipboard;
```

Description

PasteFromClipboard method, paste the contents of the clipboard into InplaceEdit.

Example of the use of PasteFromClipboard method

The following code, cell (6 columns, 3 rows) the contents of the clipboard and paste it in.

```
procedure TForm1.Button1Click(Sender: TObject);
begin
  SuperGrid1.Col := 6; SuperGrid1.Row := 3;
  SuperGrid1.PasteFromClipboard;
end;
```

M SaveToFile

SaveToFile method saves the contents of the grid to a file.

Declaration

```
procedure SaveToFile(FileName: String; DelimiterChar: Char); overload; virtual;
procedure SaveToFile(FileName: String; DelimiterChar: Char; Encoding: TEncoding);
  overload; virtual;
```

Description

SaveToFile method saves the contents of the grid to a file. Data format is the CSV format.

FileName: String

Specify the file name to save.

Encoding: TEncoding

It specifies the encoding of character. (**Caution. only a valid Unicode version of Delphi)**

Sort

Sort method sorts the specified column in ascending order.

Declaration

```
procedure Sort(ACol: Integer);
```

Description

Sort method, which sorts the specified column (ACol) in ascending order.

ACol: Integer

Specify the sort column.

11. Using the calculator

SuperGRID components, you can use the calculator function at the time of input.

Numeric that have been entered will be as it is taken over by the calculator.

In addition, results of the calculation are automatically set to the call control (InplaceEdit).

11.1 Start

The call method of the calculator function, there are two ways of following.

·[ButtonStyle] properties [**cbsAlways**], set to [**cfNumber**] the [Format] property, click the drop-down button at the time of execution.

·[F4] key or pressing the [Alt] + [↓] (down arrow).

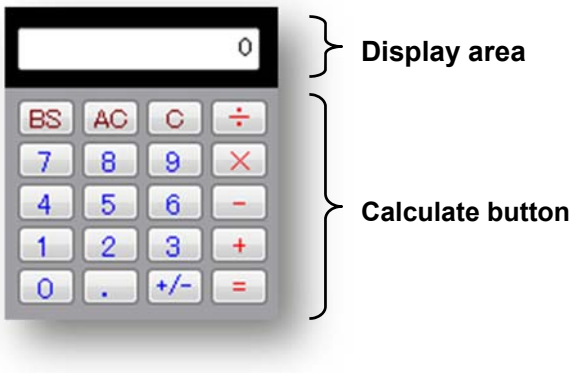
11.2 End

[End] and press the key calculator is completed, control is passed to the called control (InplaceEdit). At this time, if the calculation result is non-zero result also passed at the same time.

In addition, press the [Esc] key, but you can to end the calculator when you click on the non-calculator, the result is not passed. (Cancel)

11.3 Names of each part

Calculator displays the contents and calculation results input "display area" and the (top), to specify the input and calculation method of the number, farewell to the "calculation button" (bottom).



11.4 Correspondence table of buttons and keyboard

It is also possible to input directly from the keyboard in addition to the button.

Button name	Corresponding key
Numerical buttons (0-9)	0～9
Sign switching button (+/-)	F9
Point button	. (Depending on the setting of the control panel)
Calculation instruction button (÷)	/
(X)	*
(－)	-
(＋)	+
(＝)	Enter
Control button (ＢＳ)	Backspace
(ＡＣ)	A
(Ｃ)	Delete

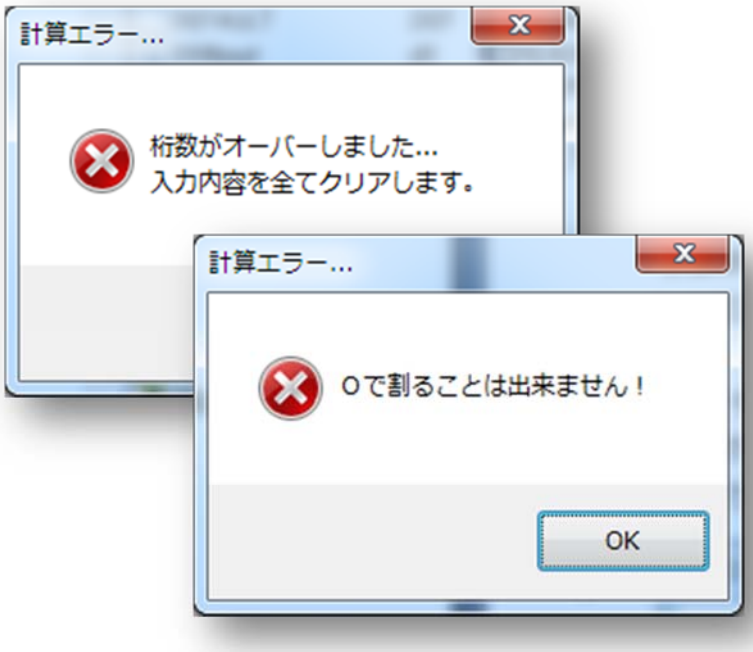
11.5 Correction method

·Press mistake of the number buttons, press the [C (Clear)] button. If able to re correctly numeric and continue, it will be able to continue as it is calculated.

·Press mistake of calculation instruction button, press the correct calculation instruction button to continue. It will be corrected in the calculation instruction button pressed later.

11.6 Error checking

When the integer part exceeds the 13-digit, when the division of the divisor 0, a message box is displayed, you will not be able to the subsequent calculation. (Calculated up to it, all will be cleared)



12. Use the drop-down calendar

SuperGRID components, you can use the calendar function.

The date that has been input is as it is taken over by the calendar.

In addition, it is automatically set to the control (InplaceEdit) that call the selected date.

12.1 Start

The call method of the calendar, there are two ways of following.

·[ButtonStyle] properties [cbsAlways] or, set to [cfDate] the [Format] property, click the drop-down button at the time of execution.

·[F4] key or pressing the [Alt] + [↓] (down arrow).

12.2 End

[Enter] or press the [End] key, or calendar will close when you select a date with the mouse.

12.3 Names of each part

The calendar, you can see the one month of the calendar of the selected date.

The movement of the display month, [PageUp] or [PageDown] key, move the date, done with the arrow keys, the selection is done in the [Enter] (or [End]) key or mouse.

It should be noted, also changes at the same time the value of the InplaceEdit when the date changes.

12.4 Change Display month

·[PageUp] or [PageDown]: to move the display month.

·Click on the calendar title: I can move to any of the years. (See figure below)

13. User support

Bug reports, requests, inquiries, etc., I hope in e-mail.

E-mail address: yoshiki.tanaka-avsoft@nifty.com

If the failure occurs in SuperEDIT it is,

- ·usage environment
- ·Usage state
- ·Key operation
- ·Mouse operation
- ·The presence or absence of reproducibility
- ·Defect Details

If you can report, it will help solve.

[Please]

Support for the bug will proactively deal, but sometimes it is not possible to respond quickly due to circumstances of the environment or the like for possession.

Also, version-up by function addition, we do not assume the Company its performance obligation.

 (Blank)

SuperGRID

Reference Manual

Version 1.0 (Jun 2016)

Distributor : On And On Corp.
http://on-and-on.biz/en
Developer : Adventure software
http://www.avsoft.jp/