Barcode VCL Component

Manual

Version 1.8.6

February 1st, 2006

Contents

Overview

Barcode VCL Component Include **TBarcode**, **TDBBarcode**, **TQRBarcode** and **TQRDBBarcode**. It create barcodes for your applications as easy as typing the code. Simply enter the desired characters and select the type. The barcode will be created!

Developers use Barcode like any other VCL component. Extend your applications with barcode technology with this effective and powerful component.

Barcode supports popular barcodes including Code 39, Code 39 Extended, Code 128, EAN 128, EAN-13, EAN-8, Code 25 Industrial, Code 25 Interleaved, Code 25 matrix, Codabar, UPC-A, UPC-E, UPC+2, UPC+5, Code 93, Code 93 Extended, MSI and Postnet.

Features

- All windows fonts can be used for the optional text, it's Fore- and background colors can be changed free.
- Barcode's fore- and background colors of barcode can be changed free.
- Visual in design time.
- Scaleable and rotatlable barcodes and option text.
- All popular barcode types are supported.
- Verification digits are automatically calculated and added for most barcodes.
- Allows Draw the barcode to a canvas (with Scaleable and rotatlable).
- Allows print the barcode to paper (with Scaleable and rotatlable).
- The Quick Report is supported (Only Delphi 5, 6, 7, 2005, 2006 and C++ Builder 5, 6).
- For EAN128/Code128, you can insert FNC1, etc. to barcode. You can change code set in one barcode.
- It has the ease of use and the excellent functionality.
- Very popular barcode component software.

Installation (source included)

■Delphi 4.x - 7.x, Delphi 2005, 2006

1. Uninstall previous or evaluation version of Barcode from Delphi IDE. Remove or copy to other directory files of old version to prevent crossing old and new version of Barcode, Including: BarcodeDx.bpl, BarcodeDx.dcp, QRBarcodeDx.bpl, and QRBarcodeDx.dcp or BarcodeDxRun.bpl, BarcodeDxRun.dcp, BarcodeDxDgn.bpl, BarcodeDxDgn.dcp, QRBarcodeDxRun.bpl, QRBarcodeDxRun.dcp, QRBarcodeDxDgn.bpl, and QRBarcodeDxDgn.dcp, You can find them in the <Delphi Installation Directory>\Projects\Bpl or <My Document>\Borland Studio Projects\Bpl (Only for Delphi 2005 and 2006).

2. Create directory from which you will install Barcode library: <Barcode directory> (for example, C:\Delphi[X]\Barcode).

3. Copy files from "Source" directory in the barcode archive to <Barcode directory>.

4. Copy package files from "Source\Packages\DelphiX" in the barcode archive to your <Barcode directory>. For Delphi 5.x - 7.x, 2005 and 2006, if you use other version of Quick Report (3.62, 4.05 or 4.06), copy the package files from relevant directory in the barcode archive to your <Barcode directory>, overwrite the original files.

5. Use "File\Open…" menu item of Delphi IDE to open the package file BarcodeDxRun.dpk, in "Package…" window click "Compile" button to compile the package, and then use "File\Open…" menu item of Delphi IDE to open the package BarcodeDxDgn.dpk, in "Package…" window click "Compile" button to compile the package and click the "Install" button to register Barcode components on the component palette.

6. For Delphi 5.x - 7.x, 2005 and 2006, you can install the QRBarcode and QRDBBarcode to support the Quick Report, use the "File\Open…" menu item of Delphi IDE to open the package QRBarcodeDxRun.dpk, in "Package…" window click "Compile" button to compile the package, and then use the "File\Open…" menu item of Delphi IDE to open the package QRBarcodeDxDgn.dpk, in "Package…" window click "Compile" button to compile the package, click "Install" button to register Barcode components on the component palette.

7. Add, (if needed) <Barcode directory> in Tools->Environment Options->Library->Library Path (Please delete the library path of old version).

8. Barcode components have to appear on 'Han-soft' page of components palette.

Note: For Delphi 2005 and 2006, execute the "Project/Compile" menu item of Delphi IDE to compile package, right click package file in Project Manager and execute the "Install" menu item in popup menu to install package.

■C++ Builder 4.x - 6.x

1. Uninstall previous or evaluation version of Barcode from C++ Builder IDE. Remove or copy to other directory files of old version to prevent crossing old and new version of Barcode, Including: BarcodeBx.bpl, BarcodeBx.tds, QRBarcodeBx.bpl, QRBbarcodeBx.tds, BarcodeBx.lib, BarcodeBx.bpi, QRBarcodeBx.lib, and QRBbarcodeBx.bpi or BarcodeBxRun.bpl, BarcodeBxRun.tds, BarcodeBxDgn.bpl, BarcodeBxDgn.tds, QRBarcodeBxRun.bpl, QRBarcodeBxRun.tds, QRBarcodeBxDgn.bpl, QRBarcodeBxDgn.tds, BarcodeBxRun.lib, BarcodeBxRun.bpi,

BarcodeBxDgn.lib, BarcodeBxDgn.bpi, QRBarcodeBxRun.lib, QRBarcodeBxRun.bpi, QRBarcodeBxDgn.lib, and QRBarcodeBxDgn.bpi. You can find them in the <C++ Builder Installation Directory>\Projects\Bpl and <C++ Builder Installation Directory>\Projects\Lib.

2. Create directory from which you will install Barcode library: <Barcode directory> (for example, C:\CBuilder[X]\Barcode).

3. Copy files from "Source" directory in the barcode archive to <Barcode directory>.

4. Copy package files from "Source\Packages\CBuilderX" in the barcode archive to your <Barcode directory>. For C++ Builder 5.x - 6.x, if you use other version of Quick Report (3.62, 4.05 or 4.06), copy the package files from relevant directory in the barcode archive to your <Barcode directory>, overwrite the original files.

5. Use "File\Open…" menu item of C++ Builder IDE to open the package file BarcodeBxRun.dpk, in "Package…" window click "Compile" button to compile the package, and then use "File\Open…" menu item of C++ Builder IDE to open the package BarcodeBxDgn.dpk, in "Package…" window click "Compile" button to compile the package and click the "Install" button to register Barcode components on the component palette.

6. For C++ Builder 5.x - 6.x, you can install the QRBarcode and QRDBBarcode to support the Quick Report, use the "File\Open…" menu item of C++ Builder IDE to open the package QRBarcodeBxRun.dpk, in "Package…" window click "Compile" button to compile the package, and then use the "File\Open…" menu item of C++ Builder IDE to open the package QRBarcodeBxDgn.dpk, in "Package…" window click "Compile" button to compile the package, click "Install" button to register Barcode components on the component palette.

7. Add, (if needed) <Barcode directory> in Tools->Environment Options->Library->Library Path (Please delete the library path of old version).

8. Barcode components have to appear on 'Han-soft' page of components palette.

Installation (trial or without source)

■ Delphi 4.x - 7.x, Delphi 2005, 2006

1. Uninstall previous or evaluation version of Barcode from Delphi IDE. Remove or copy to other directory files of old version to prevent crossing old and new version of Barcode, Including: BarcodeDx.bpl, BarcodeDx.dcp, QRBarcodeDx.bpl, and QRBarcodeDx.dcp or BarcodeDxRun.bpl, BarcodeDxRun.dcp, BarcodeDxDgn.bpl, BarcodeDxDgn.dcp, QRBarcodeDxRun.bpl, QRBarcodeDxRun.dcp, QRBarcodeDxDgn.bpl, and QRBarcodeDxDgn.dcp. You can find them in the <Delphi Installation Directory>\Projects\Bpl or <My Document>\Borland Studio Projects\Bpl (Only for Delphi 2005 and 2006).

2. Create directory from which you will install Barcode library: <Barcode directory> (for example, C:\Delphi[X]\Barcode).

3. Copy files from DelphiX directory in the barcode archive to the <Barcode directory>. Note: If you use other version of Quick Report (3.62, 4.05, etc), please copy files from relevant directory in the barcode archive to your <Barcode directory>.

4. Open "Component\Install packages…" menu item of Delphi IDE, then click "Add" Button to add BarcodeDxDgn.bpl in your <Barcode directory>.

5. For Delphi 5.x - 7.x, 2005 and 2006, you can install the QRBarcode and QRDBBarcode to support the Quick Report, open "Component\Install packages…" menu item of Delphi IDE, then click "Add" Button to add QRBarcodeDxDgn.bpl in your <Barcode directory>.

6. Add, (if needed) <Barcode directory> in Tools->Environment Options->Library->Library Path (Please delete the library path of old version).

7. Barcode components have to appear on 'Han-soft' page of components palette.

■C++ Builder 4.x - 6.x

1. Uninstall previous or evaluation version of Barcode from C++ Builder IDE. Remove or copy to other directory files of old version to prevent crossing old and new version of Barcode, Including: BarcodeBx.bpl, BarcodeBx.tds, QRBarcodeBx.bpl, QRBbarcodeBx.tds, BarcodeBx.lib, BarcodeBx.bpi, QRBarcodeBx.lib, QRBarcodeBx.bpi or BarcodeBxRun.bpl, BarcodeBxRun.tds, BarcodeBxDgn.bpl, BarcodeBxDgn.tds, QRBarcodeBxRun.bpl, QRBarcodeBxRun.tds, QRBarcodeBxDgn.bpl, QRBarcodeBxDgn.tds, BarcodeBxRun.lib, BarcodeBxRun.bpi, BarcodeBxDgn.lib, BarcodeBxDgn.bpi, QRBarcodeBxRun.lib, QRBarcodeBxRun.bpi, QRBarcodeBxDgn.lib, QRBarcodeBxDgn.bpi, You can find them in the <C++ Builder Installation Directory>\Projects\Bpl and <C++ Builder Installation Directory>\Projects\Lib.

2. Create directory from which you will install Barcode library: <Barcode directory> (for example, C:\CBuilder[X]\Barcode).

3. Copy files from CBuilderX directory in the barcode archive to the <Barcode directory>. Note: If you use other version of Quick Report (3.62, 4.05, etc), please copy files from relevant directory in the barcode archive to your <Barcode directory>.

4. Open "Component\Install packages…" menu item of C++ Builder IDE, then click "Add" Button to add BarcodeBxDgn.bpl in your <Barcode directory>.

5. For C++ Builder 5.x - 6.x, you can install the QRBarcode and QRDBBarcode to support the Quick Report, open "Component\Install packages…" menu item of C++ Builder IDE, then click "Add" Button to add QRBarcodeBxDgn.bpl in your <Barcode directory>.

6. Add, (if needed) <Barcode directory> in Tools->Environment Options->Library->Library Path (Please delete the library path of old version).

7. Copy, (if needed) BarcodeBxRun.bpl, BarcodeBxRun.tds, BarcodeBxDgn.bpl, BarcodeBxDgn.tds, QRBarcodeBxRun.bpl, QRBarcodeBxRun.tds, QRBarcodeBxDgn.bpl and QRBarcodeBxDgn.tds to <C++ Builder Install Directory>\Projects\Bpl.

8. Copy, (if needed) BarcodeBxRun.lib, BarcodeBxRun.bpi, BarcodeBxDgn.lib, BarcodeBxDgn.bpi, QRBarcodeBxRun.lib, QRBarcodeBxRun.bpi, QRBarcodeBxDgn.lib and QRBarcodeBxDgn.bpi to <C++ Builder Install Directory>\Projects\Bpl.

9. Barcode components have to appear on 'Han-soft' page of components palette.

Registering and Prices

The Barcode is a Shareware product. If you find it useful and want to receive the latest versions please register your evaluation copy.

Barcode - without source: $79

Barcode - source included: $189

Barcode – site license: $369

You can read detail information about registration at http://www.han-soft.com/purc.php

After registration you will receive (e-mail only) address of registered version for downloading and password for unpacking.

By registering the components you get the following advantages:

1. You will be notified about new versions of the library.
2. You will receive new versions of Barcode FREE till version 3.0.
3. You encourage the author do make the components even better.

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About us

Contact us if you have any questions, comments or suggestions:

Programmer : Han-soft software

Home page : http://www.han-soft.com/

E-mail : support@han-soft.com

Type Define

TUnits =
  (utMillimeter,utInch);

TOrientation =
  (toLeftRight, toRightLeft, toTopBottom, toBottomTop);

TCheckSum =
  (csNone, csModulo10);

TTextShow =
  (tsNone, tsBarCode, tsBarType, tsBoth);

TTextPosition =
  (tpTopLeft, tpTopRight, tpTopCenter, tpBottomLeft, tpBottomRight, tpBottomCenter);

TBarType =
  (bcCode_2_5_interleaved,
    bcCode_2_5_industrial,
    bcCode_2_5_matrix,
    bcCode39,
    bcCode39Extended,
    bcCode128A,
    bcCode128B,
    bcCode128C,
    bcCode93,
    bcCode93Extended,
    bcCodeMSI,
    bcCodePostNet,
    bcCodeCodabar,
    bcCodeEAN8,
    bcCodeEAN13,
    bcCodeUPC_A,
    bcCodeUPC_E0,
    bcCodeUPC_E1,
    bcCodeUPC_Supp2,
    bcCodeUPC_Supp5,
    bcCodeEAN128A,
    bcCodeEAN128B,
    bcCodeEAN128C);

Properties

Table: 1

Property	Type	Descriptions	Components			
			TBarcode	TDBBarcode	TQRBarcode	TQRDBBarcode
BarType	TBarType	Contains the type of the barcode(bcCode39, bcCode39Extended, bcCode128A, bcCode128B,etc, See also the Type Define)	*	*	*	*
BarCode*	string	Contains the barcode number (or text), general without check digit	*	*	*	*
BarHeight	Integer	Height of Barcode in Pixels	*	*	*	*
ColorBar	TColor	Sets the foreground color of the barcode. Black is default	*	*	*	*
ColorSpc	TColor	Sets the background color of the barcode. White is default	*	*	*	*
HMargin	Integer	Left and right margin when auto width	*	*	*	*
CheckSum	TCheckSum	Enable or disable checksum auto-calculation and Algorithms of checksum (csNone, csModulo10)	*	*	*	*
Modul	Integer	Width of the smallest line in the barcode.	*	*	*	*
Ratio	Double	Ratio between a wide and a narrow line in a barcode. Normal Values are from 2.0 to 3.0 .	*	*	*	*
Alignment	TAlignment	Controls the horizontal placement of the barcode within the barcode component(taLeftJustify,taRightJustify,taCenter)	*	*	*	*
AutWidth	Boolean	Auto adjust component width by barcode width and HMargin (pixels)	*	*	*	*
Orientation	TOrientation	Orientation of barcode(toLeftRight, toRightLeft, toTopBottom, toBottomTop)	*	*	*	*
TextShow	TTextShow	Content of barcode line text to display (tsNone, tsBarCode, tsBarType, tsBoth)	*	*	*	*
TextColor	TColor	Background color of text line	*	*	*	*
TextPosition	TTextPosition	Position of text line(tpTopLeft, tpTopRight, tpTopCenter, tpBottomLeft, tpBottomRight, tpBottomCenter)	*	*	*	*
Font	TFont	You can specify the font by name, color, style, effects and the size for the text line	*	*	*	*
BarTypeName	string	Name of barcode type (read only)	*	*	*	*
BarWidth	Integer	Width of barcode in pixels (read only)	*	*	*	*
DataSource	TDataSource	Link the DBBarcode control to a dataset in which the data can be found(Only TDBBarcode)		*		*
DataField	String	Use DataField to bind the DBBarcode control to a field in the dataset(Only TDBBarcode)		*		*
ReadOnly	Boolean	Set ReadOnly to true to prevent the user from changing the contents of the database field(Only TDBBarcode)		*		*
Field	TField	Read Field to get direct access to the contents and properties of the database field without going through the DBBarcode control's Barcode property(Only TDBBarcode)		*		*

Table: 2

Property	Type	Descriptions	Components			
			TBarcode	TDBBarcode	TQRBarcode	TQRDBBarcode
Color	TColor	See also the help of TPanel and TQRImage in Delphi/C++ Builder help.	*	*	*	*
Align	TAlign		*	*		
Anchors	TAnchors		*	*		
AutoSize	Boolean		*	*	*	*
BevelInner	TPanelBevel		*	*		
BevelOuter	TPanelBevel		*	*		
BevelWidth	Integer		*	*		
BorderStyle	TBorderStyle		*	*		
BorderWidth	TBorderWidth		*	*		
Ctl3D	Boolean		*	*	*	*
Constraints	TConstraints		*	*	*	*
Enabled	Boolean		*	*	*	*
Left	Integer		*	*	*	*
Height	Integer		*	*	*	*
Top	Integer		*	*	*	*
Cursor	TCursor		*	*	*	*
DockSite	Boolean		*	*	*	*
DragCursor	TCursor		*	*	*	*
DragKind	TDragKind		*	*	*	*
DragMode	TDragMode		*	*	*	*
Picture	TPicture				*	*
Stretch	Boolean				*	*
UseDockManager	Boolean		*	*	*	*
Visual	Boolean		*	*		
Other properties						

* **Note:** For Code128A, Code128B, EAN128A, EAN128B, please insert CHAR(202) for an FNC1; For Code128C, EAN128C, please insert 'F1' for an FNC1.

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Methods

Assign		The Assign method copies all properties from a barcode component to another
Parameters	Source: TPersistent	Source barcode component
Components	TBarcode, TDBBarcode, TQRBarcode, TQRDBBarcode	

Paint		The Paint method is called automatically when a barcode needs update its display area
Components	TBarcode, TDBBarcode, TQRBarcode, TQRDBBarcode	

AutoSetWidth		Auto adjust component width by barcode width and HMargin (pixels)
Parameters	H_Margin: Integer	Left and right margin between barcode and component border (pixels)
Return	Integer	Component width after autowidth (pixels)
Components	TBarcode, TDBBarcode, TQRBarcode, TQRDBBarcode	

Draw		Draw the current barcode to a canvas (with rotate angle)
	DCanvas:TCanvas	Canvas for draw
	const DLeft:Integer	Left margin with Canvas (pixels)
Parameters	const DTop:Integer	Top margin with Canvas (pixels)
	const DHeight:Integer	Height of barcode (pixele)
	const DAngle:Double	Angle of left rotate (degree)
Components	TBarcode, TDBBarcode	

Draw		Draw the current barcode to a canvas (current orientation)
	DCanvas:TCanvas	Canvas for draw
Parameters	const DLeft:Integer	Left margin with Canvas (pixels)
	const DTop:Integer	Top margin with Canvas (pixels)
	const DHeight:Integer	Height of barcode (pixels)
Components	TBarcode, TDBBarcode	

GetBarWidth		Get current barcode width
Return	Integer	Barcode width (pixels)
Components	TBarcode, TDBBarcode, TQRBarcode, TQRDBBarcode	

GetBarHeight		Get current barcode height
Return	Integer	Barcode height (pixels)
Components	TBarcode, TDBBarcode, TQRBarcode, TQRDBBarcode	

GetCanvasHeight		Get canvas height of current barcode (with rotate angle)
	const DHeight:Integer	Height of barcode (pixels)
Parameters	const DAngle:Double	Angle of left rotate (degree)
	Integer	Canvas height of current barcode with rotate angle (pixels)
Components	TBarcode, TDBBarcode	

GetCanvasHeight		Get canvas height of current barcode (current orientation)
Parameters	const DHeight: Integer	Height of barcode (pixels)
Return	Integer	Canvas height of current barcode
Components	TBarcode, TDBBarcode	

GetCanvasWidth		Get canvas width of current barcode (with rotate angle)
Parameters	const DHeight: Integer	Height of barcode (pixels)
	const DAngle: Double	Angle of left rotate (degree)
Return	Integer	Canvas width of current barcode with rotate angle (pixels)
Components	TBarcode, TDBBarcode	

GetCanvasWidth		Get canvas width of current barcode (current orientation)
Parameters	const DHeight: Integer	Height of barcode (pixels)
Return	Integer	Canvas width of current barcode (pixels)
Components	TBarcode, TDBBarcode	

Print *		Print current barcode (with rotate angle)
Parameters	const DUnit: TUnits	Unit of length and width(utMillimeter,utInch)
	const DLeft: Double	Left margin with paper (mm/inch)
	const DTop: Double	Top margin with paper (mm/inch)
	const DHeight: Double	Barcode height (mm/inch)
	const DModul: Double	Width of thin bar (mm/inch)
	const DAngle: Double	Angle of left rotate (degree)
Components	TBarcode, TDBBarcode	

Print *		Print current barcode (current orientation)
Parameters	const DUnit: TUnits	Unit of length and width(utMillimeter,utInch)
	const DLeft: Double	Left margin with paper (mm/inch)
	const DTop: Double	Top margin with paper (mm/inch)
	const DHeight: Double	Barcode height (mm/inch)
	const DModul: Double	Width of thin bar (mm/inch)
Components	TBarcode, TDBBarcode	

GetPrnBarWidth		Get barcode width to print
Parameters	const DUnit: TUnits	Unit of length and width(utMillimeter,utInch)
	const DModul: Double	Width of thin bar (mm/inch)
Return	Double	Print barcode width (mm/inch)
Components	TBarcode, TDBBarcode	

GetPrnCanvasHeight		Get canvas height of current barcode (with rotate angle)
Parameters	const DUnit: TUnits	Unit of length and width(utMillimeter,utInch)
	const DHeight: Double	Barcode height (mm/inch)
	const DModul: Double	Width of thin bar (mm/inch)
	const DAngle: Double	Angle of left rotate (degree)
Return	Double	Canvas height of current barcode to print (mm/inch)
Components	TBarcode, TDBBarcode	

GetPrnCanvasWidth		Get canvas width of current barcode (with rotate angle)
Parameters	const DUnit:TUnits	Unit of length and width(utMillimeter,utInch)
	const DHeight:Double	Barcode height (mm/inch)
	const DModul:Double	Width of thin bar (mm/inch)
	const DAngle:Double	Angle of left rotate (degree)
Return	Double	Canvas width of current barcode to print (mm/inch)
Components	TBarcode, TDBBarcode	

GetPrnCanvasHeight		Get canvas height of current barcode (current orientation)
Parameters	const DUnit:TUnits	Unit of length and width(utMillimeter,utInch)
	const DHeight:Double	Barcode height (mm/inch)
	const DModul:Double	Width of thin bar (mm/inch)
Return	Double	Canvas height of current barcode to print (mm/inch)
Components	TBarcode, TDBBarcode	

GetPrnCanvasWidth		Get canvas width of current barcode (current orientation)
Parameters	const DUnit:TUnits	Unit of length and width(utMillimeter,utInch)
	const DHeight:Double	Barcode height (mm/inch)
	const DModul:Double	Width of thin bar (mm/inch)
Return	Double	Canvas width of current barcode to print (mm/inch)
Components	TBarcode, TDBBarcode	

H_DrawBar		Draw a barcode on canvas
Parameters	H_Canvas:TCanvas	Canvas
	const H_BarType:TBarType	Barcode type(bcCode39, bcCode39Extended, bcCode128A, bcCode128B,etc, See also the Type Define)
	const H_BarCode:string	Barcode value
	const H_Modul:Integer	Width of thin bar (pixels)
	const H_Ratio:Double	Ratio of thick and thin bar
	const H_CheckSum:TCheckSum	Algorithms of checksum(csNone, csModulo10)
	const H_Left:Integer	Left margin with form (pixels)
	const H_Top:Integer	Top margin with form (pixels)
	const H_Height:Integer	Barcode height (pixels)
	const H_TextFont:TFont	Font of brcode text to display
	const H_TextShow:TTextShow	Content of barcode text to display(tsNone, tsBarCode, tsBarType, tsBoth)
	const H_TextPosition:TTextPosition	Position of barcode text(tpTopLeft, tpTopRight, tpTopCenter, tpBottomLeft, tpBottomRight, tpBottomCenter)
	const H_BarColor:TColor;	Color of bar
	const H_SpcColor:TColor;	Background Color of barcode
	const H_BackColor:TColor;	Background Color of barcode text
	const H_Angle:Double	Angle of left rotate (degree)
Components	TBarcode, TDBBarcode	

H_GetBarWidth		Get barcode width to display (pixels)
Parameters	const BW_BarType:TBarType	Barcode type(bcCode39, bcCode39Extended, bcCode128A, bcCode128B,etc, See also the Type Define)
	const BW_BarCode:string	Barcode value
	const BW_Modul:Integer	Width of thin bar (pixels)
	const BW_Ratio:Double	Ratio of thick and thin bar
	const BW_CheckSum:TCheckSum	Algorithms of checksum(csNone, csModulo10)
Return	Integer	Barcode width (pixels)
Components	TBarcode, TDBBarcode	

H_GetCanvasWidth		Get canvas width to display (pixels)
Parameters	const CW_BarType:TBarType	Barcode type(bcCode39, bcCode39Extended, bcCode128A, bcCode128B,etc, See also the Type Define)
	const CW_BarCode:string	Barcode value
	const CW_Modul:Integer	Width of thin bar (pixels)
	const CW_Ratio:Double	Ratio of thick and thin bar
	const CW_CheckSum:TCheckSum	Algorithms of checksum(csNone, csModulo10)
	const CW_Height:Integer	Barcode height (pixels)
	const CW_Angle:Double	Angle of left rotate (degree)
Return	Integer	Canvas width to display (pixels)
Components	TBarcode, TDBBarcode	

H_GetCanvasHeight		Get canvas width to display (pixels)
Parameters	const CH_BarType:TBarType	Barcode type(bcCode39, bcCode39Extended, bcCode128A, bcCode128B,etc, See also the Type Define)
	const CH_BarCode:string	Barcode value
	const CH_Modul:Integer	Width of thin bar (pixels)
	const CH_Ratio:Double	Ratio of thick and thin bar
	const CH_CheckSum:TCheckSum	Algorithms of checksum(csNone, csModulo10)
	const CH_Height:Integer	Barcode height (pixels)
	const CH_Angle:Double	Angle of left rotate (degree)
Return	Integer	Canvas width to display (pixels)
Components	TBarcode, TDBBarcode	

H_PrintBar *		Print barcode
Parameters	const H_Unit:TUnits	Unit of width and Height (utMillimeter,utInch)
	const H_BarType: TBarType	Barcode type(bcCode39, bcCode39Extended, bcCode128A, bcCode128B,etc, See also the Type Define)
	const H_BarCode:string	Barcode value
	const H_Modul:Double	Width of thin bar (mm/inch)
	const H_Ratio:Double	Ratio of thick and thin bar
	const H_CheckSum: TCheckSum	Algorithms of checksum(csNone, csModulo10)
	const H_Left:Double	Left margin with form (mm/inch)
	const H_Top:Double	Top margin with form (mm/inch)
	const H_Height:Double	Barcode height (mm/inch)
	const H_TextFont:TFont	Font of brcode text to display
	const H_TextShow: TTextShow	Content of barcode text to display(tsNone, tsBarCode, tsBarType, tsBoth)
	const H_TextPosition: TTextPosition	Position of barcode text(tpTopLeft, tpTopRight, tpTopCenter, tpBottomLeft, tpBottomRight, tpBottomCenter)
	const H_BarColor:TColor;	Color of bar
	const H_SpcColor:TColor;	Background Color of barcode
	const H_BackColor:TColor;	Background Color of barcode text
	const H_Angle:Double	Angle of left rotate (degree)
Components	TBarcode, TDBBarcode	

H_GetPrnBarWidth		Get barcode width to print (mm/inch)
Parameters	const BW_Unit:TUnits	Unit of width and Height(utMillimeter,utInch)
	const BW_BarType:TBarType	Barcode type(bcCode39, bcCode39Extended, bcCode128A, bcCode128B,etc, See also the Type Define)
	const BW_BarCode:string	Barcode value
	const BW_Modul:Double	Width of thin bar (mm/inch)
	const BW_Ratio:Double	Ratio of thick and thin bar
	const BW_CheckSum: TCheckSum	Algorithms of checksum(csNone, csModulo10)
Return	Double	barcode width (mm/inch)
Components	TBarcode, TDBBarcode	

H_PrnCanvasWidth		Get canvas width to print (mm/inch)
Parameters	const CW_Unit:TUnits	Unit of width and Height(utMillimeter,utInch)
	const CW_BarType:TBarType	Barcode type(bcCode39, bcCode39Extended, bcCode128A, bcCode128B,etc, See also the Type Define)
	const CW_BarCode:string	Barcode value
	const CW_Modul:Double	Width of thin bar (mm/inch)
	const CW_Ratio:Double	Ratio of thick and thin bar
	Const CW_CheckSum: TCheckSum	Algorithms of checksum(csNone, csModulo10)
	const CW_Height:Double	Barcode height (mm/inch)
	const CW_Angle:Double	Angle of left rotate (degree)
Return	Double	canvas width (mm/inch)
Components	TBarcode, TDBBarcode	

H_PrnCanvasHeight		Get canvas height to print (mm/inch)
Parameters	const CH_Unit:TUnits	Unit of width and Height(utMillimeter,utInch)
	const CH_BarType: TBarType	Barcode type(bcCode39, bcCode39Extended, bcCode128A, bcCode128B,etc, See also the Type Define)
	const CH_BarCode:string	Barcode value
	const CH_Modul:Double	Width of thin bar (mm/inch)
	const CH_Ratio:Double	Ratio of thick and thin bar
	const CH_CheckSum: TCheckSum	Algorithms of checksum(csNone, csModulo10)
	const CH_Height:Double	Barcode height (mm/inch)
	const CH_Angle:Double	Angle of left rotate (degree)
Return	Double	canvas height (mm/inch)
Components	TBarcode, TDBBarcode	

H_GetBarTypeName		Get barcode type name
Parameters	BN_BarType:TBarType	Barcode typ e
Return	string	Barcode type name
Components	TBarcode, TDBBarcode	

* **Note:** Please use the **H_PrintBar** and **Print** methods between printer.BeginDoc and printer.EndDoc.

Events

Events	Descriptions	Components			
		TBarcode	TDBBarcode	TQRBarcode	TQRDBBarcode
OnChange	Occurs when the barcode, bartype, etc. for the BarCode control may have changed.	*	*	*	*
OnInvalid Char	Occurs when the barcode value is invalid, you can repair the value in the event.	*	*	*	*
Other Events	See also the help of TPanel or TQRImage in Delphi/C++Builder Help.				