Why to Upgrade?

Version 3.3 has been designed completely new. It overcomes some limitations older versions had and adds some novel functionality.

- Uses GDI+ libraries for drawing operations.
    - Adding anti aliasing to line drawing
    - Extending area fill types, gradients
    - All drawn objects support (semi) transparency using the Alpha RGB color model
- WideString (Unicode) support to all captions on graphs, axes, legends, labels also for compilers older than Studio 2009
- Database access for axes rubrics
- Layering control to series
- Setting orders in legends
- Bars have extended options
    - Captions at the bars
    - Cylinder drawing style
    - Optional database access for bar captions
- New moving average series
- Optional function parser can be used with the non linear regression series
- Interpolation series are reorganized, normal cubic spline was added as calculation method
- Graphs can be stacked and share the same primary X-Axis

Who can Upgrade?

VCL-library packages are available for Delphi 6 -7, Developer Studio 2005, -2006, CodeGear RAD Studio 2007 and 2009. VCL.net libraries are also supplied for Developer Studio 2005, -2006 and CodeGear RAD Studio 2007. Developer Studio 2006, CodeGear RAD Studio 2007 and 2009 versions also support the C++ personality. Older compiler versions are not supported.

Can I use Version 3.0 parallel to older Versions?

No! Most of the new component will use the same file and class names as the old versions this would cause conflicts.
Thus before installing version 3.0 please uninstall older versions. Please also check the environment path and library path of the Borland IDE not pointing to any .bpl and .dcu .dfm .res etc. files of older versions.

Installation

RtTools2D V3 is distributed as an automatic installation file. As the program needs to setup some registry entries for the online help you need to have administrative rights during the setup process. After installation the components can be used with normal user rights.
If you use Delphi 2005, Borland Developer Studio 2006, CodeGear RAD Studio 2007 or 2009 please be patient calling help first after the installation. The MS-Help system needs some minutes to build up a new index. Sometimes it seems to be that the system has crashed but it will recover after some time.

Details

After Installation the tool palette of the IDE will have two new categories named "Rt-Tools2D Standard" and "Rt-Tools2D Graph". The components icons have a new look and support different sizes if you setup the tool palette accordingly.
With the "Rt-Tools2D Standard" category in the palette most of the components have similar ones with the old versions. Please see the users manual or the online help for a more detailed description.

Old	New	Comment
TRtLabel	TRtRichLabel	Now supports multi line WideString captions. The extended syntax now also supports color and font name changes in the caption formulae and variables
TRtResultLabel		Discarded, functionality is implemented with variables and formulae in all captions
TRtCaptionEdit	TRtCaptionEdit	Now also supports multi line and extended syntax as above.
TRtIntegerEdit		No changes
TRtSpinIntegerEdit		Use the AsInteger property of TRtNumericUpDn
TRtFloatEdit	TRtDoubleEdit	Now also supports Date&Time values editing
	TRtNumericUpDn	Input of floating point numbers with up down buttons for incrementing/decrementing.
TRtColorPickCombo	TRtColorPickCombo	Now supports Alpha RGB colors DirectlyShowTuneColors property added
	TRtTuneColorsDialog	Replacement for the standard color dialog, enabling transparency.
TRtLineStylesList	TRtDashStylesList	For GDI+ dash styles
TRtLineStylesCombo	TRtDashStylesCombo	
TRtBrushStylesList	TRtAreaStylesList	For GDI+ hatch styles and solid fill
TRtBrushStylesCombo	TRtAreaStylesCombo	
TRtPointSymbolsList	TRtPointSymbolsList	Point symbols do now support different fill and border line colors
TRtPointSymbolsCombo	TRtPointSymbolsCombo	
TRtUndoStack	TRtUndoStack	Redesigned, now supports multi level undo/redo on nearly any published property
	TRtUndoButton	Speed button linking to undo stack for multi level undo
	TRtRedoButton	Speed button linking to undo stack for multi level redo

Same for the "Rt-Tools2D Graph" category

Old	New	Comment
TRt2DGraph	TRtGraph2D	Supports transparency, gradients for background and data area, distance to border properties added
TRtAxis	TRtAxis	Seconds scaling style added, rubrics can use database, RubricsAngle property added, auto partitions calculated dynamically giving constant "label density" Axis ends now can display an Arrow
TRtGraphSettingsDialog	TRtGraphSettingsTool	Supports all the new GDI+ styles Added series layering support Added legends items ordering
TRtLegend	TRtLegend	GDI+ Support, background gradient, drop shadow, Items ordering added
TRtRealVector	TRtDoubleVector	Real/Live vector choice is obsolete because the series now have an AutoUpdate property. DataSource and DataField now are optional properties. Outliers support added
TRtLiveVector		
TRtDBVector		
TRtLineSeries	TRtLineSeries	GDI+ drawing options. ...ValueTransformation events can modify data by user code Outliers support added
TRtDataSeries	TRtPointSeries	
TRtDataWithErrorSeries	TRtPointWithErrorSeries	
TRtBubbleSeries	TRtBubbles	
TRtOHLCSeries	TRtOHLC	
TRtCandleStickSeries	TRtCandleSticks	
TRtArrowSeries	TRtArrows	
RtBarSeries	TRtBars	Captions at the bars Cylinder drawing style Optional database access for bar captions
		All calculated lines now do not refer to a ParentSeries but use XData and YData as normal series. Layer support has been added
TRtLinearRegressionLine	TRtLinearRegression	
TRtPolynomLine	TRtPolynomial	Improved calculation
TRtFittedLine	TRtFittedLine	
TRtInterpolatedLine	TRtInterpolation	The InterpolationMethod property now controls the algorithm used to derive the interpolating function. Normal cubic spline was added as calculation method
RtApproxSplineLine		
TRtDifferential	TRtDifferential	
TRtASplineDifferential		
TRtIntegral	TRtIntegral	
TRtASplineIntegral		
	TRtMovingAverage	Newly added for financial trend

		charts
TRtVerticalMarker	TRtVerticalMarker	GDI+ (semi) transparency support
TRtHorizontalMarker	TRtHorizontalMarker	
TRtCrossHair	TRtCrossHair	
TRtArrowLabelMarker	TRtLabelWithArrowMarker	BentLength property added Enhanced hovering options

The major changes where made to the logic the data are updated with the graph. The old version was using the TRtLiveVector to link to the series to auto update. Now there is no difference between any vector components. There is only one TRtDoubleVector which holds the data. The database sensitive TRtDBVector has been discarded because the new TRtDoubleVector can attach to a database if the DataSource and DataField properties are set. All graph series components now have an AutoUpdate property controlling the “live” behaviour of the series if data change.
The calculated series now behave as normal series referring to XData and YData properties. The ParentSeries property has been discarded. It has been used to draw the calculated children above its parent data series. Now the order of painting can be controlled with the layer property. This also enables you to draw calculated lines without the need to display the source data points.