

**CHART FX 3.0**

# **DATASHEET**

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*What's new  
in Chart FX 3.0  
Properties and Messages Reference  
Developer speaks about Chart FX 3.0  
A brief Guide to Chart FX 3.0*

For more INFORMATION call:  
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Recognized as the best among graphics libraries for Windows Developers, Chart FX responds to the cycle of popularity providing a new and enhanced feature set in this new Version 3.0. which includes all popular control models, including VBX, DLL and its new OLE Control (OCX) to provide wider support for more development tools, such as MS Access, MS FoxPro and upcoming versions of Visual Basic and Visual C++.

### ***Full of new features and functionality...***

Some of Chart FX new features include: MultiType Charts, Zoom In capabilities, RealTime Charts, 3D Surface Charts, Polar Charts, Conic and Cilindric Charts, full 3D Rotation, Double Y Axis, Logarithmic scale, Tabbed Dialog, Dockable and fully customizable Toolbar, Dockable Legends, Smart Detection, Open Painting Architecture, plus 29 notification messages to allow developers control how charts respond to user interaction.

If the problem is that the chart you provide may not be the chart that your end user really wants, Chart FX is the perfect tool for you, since you can tripled the pizzazz value of your application by giving them charts with toolbar, palettebar, patternbar, Tabbed Dialogs, Data Editor and much more. The beauty of Chart FX is the way it opens itself up to the end user.

With all this emphasis on end user customizability, do you loose anything in terms of pure graph performance? Not at all; Chart FX 3.0 is really fast. The graphs paint snappy and clean. And the best part just may be that your users may never know that it was so easy... **It doesn't get much better than Chart FX 3.0.**

### ***Now available to you at a very affordable price...***

Chart FX 3.0 retails for \$249, including all mentioned models, providing basic and advanced samples for each development tool.

Chart FX 3.0 is royalty free and it provides a 30-Day Money Back Guarantee. For more information on pricing and availability please call:

Toll Free: 1-800-392-4278

Outside US: (407) 998-2377

#### ***Chart FX 3.0:***

***Price: \$249***

***Includes:***

***VBX, OCX and DLL***

***30 Day Money Back***

***Royalty Free***

***32-Bit edition also available***



*A brief guide to . . .*

***Chart FX 3.0***

**In this Information sheet we will guide you through the process of creating a simple chart and converting it, by adding new objects and special effects using the actual Chart FX 3.0 API set.**

# ***WHAT'S NEW IN CHART FX***

## ***It must be Difficult...***

At first glance, you might think it's difficult to create MultiType Charts, which are charts that contain different series in different chart types. Sure, in other graphics libraries you can overlay two charts to "simulate" this kind of display, but what about Axis control, Mouse Detection, 3D and rotation, and overall graph display? Even more, what about if you want to add conic or cylindric forms to your data markers? with Chart FX 3.0 all it takes is two properties to create and display MultiType Charts, which, by the way, support 3D especial effects, rotation, Mouse Detection as if they were a simple chart type.

## ***Reality Checked...***

Automating data capture and being able to display it at realtime using Chart FX 3.0, is a piece of cake! The example accompanying the package show you how to create a RealTime chart with scrollable legends, without any flickering.

## ***Not just promises ...***

Since everyone is promising OLE 2.0 compatibility, you should not be surprised to learn that Chart FX 3.0 provides an OLE Control (OCX) already!. Yes, Chart FX 3.0 works with all current development tools that support OCX, such as: MS Access, FoxPro and upcoming versions of Visual Basic and Visual C++.

## ***It's all in your perspective ...***

One of the really slick pieces of code in Charft FX is the gadget the library uses to change the Charting perspective. It's hard to describe, but Chart FX displays a window with a 3D picture of two intersecting plates, each with a marble on the edge. You use the mouse to drag the marbles around, and get a instant sketch of the new point-of-view.

## ***Dockable and fully customizable Toolbar ...***

Yeah, it was a good idea to open up the graph so my users can customize things, But there are some things I don't want them to do, changing the data being one of them. No problem. At design time I can turn off any of the toolbar buttons. And not only are they then not functional, they don't even show up!. No grayed-out mistery buttons to provoke calls to your support line. Chart FX 3.0 toolbar customization is wide open to developers...

## ***Take a closer look...***

Chart FX 3.0 Zoom In capabilities will amaze you. Your end users have to select a region in any chart to be zoomed and instant zoom-in view will be displayed.

This feature is available to all chart types in Chart FX 3.0 and will give your end users the flexibility to take a close-look of your complicated Multi Series charts.

Make the call now and find all about Chart FX 3.0, there's no way to lose! Chart FX 3.0 provides 30 Day Money Back Guarantee.

*“Chart FX 3.0 new features were implemented with beauty and functionality in mind. This means that you can create the most sophisticated charts without the sacrifice of speed and memory requirements”*

# PROPERTIES & MESSAGES

## How Chart FX works?

Depending on the model you're working with (VBX, DLL or OCX) Chart FX 3.0 provides a standard API set, which makes all models provide the same functionality. Therefore, no matter in which development tool or what model you're working with, you can accomplish the same results.

This fact is also applicable to Chart FX 3.0 32-bit DLL and OCX models.

### ***DLL Model:***

Chart FX 3.0 DLL API provides the easiest way to create and interact with charts. Since all you do, once the chart is created is send messages to it by filling wParam and lParam the same way you do it with Windows SDK

To create a chart using the DLL model you must use the **chart\_Create** function which returns the window handle of the chart you've just created, i.e:

```
hChart = chart_Create( ... )
```

Once the chart is created you use the **chart\_Send** function in conjunction with the chart handle with an specific message and filling wParam and lParam with specific information regarding that message, i.e:

```
chart_Send(hChart, mess, wP, lP)
```

### ***VBX/OCX Model:***

To create a chart using any of these models, just select the Chart FX control and drag the desired size for the chart.

Once the chart is created you can use the available properties at design time to set chart preferences, including all end user tools, such as Toolbars, PaletteBars, etc.

Another set of properties is available at run time, so you can further customize your charts within your source code.

### ***Properties (Messages) List \*:***

BarHorzGap	<b>ClearLegend</b>	FixLeg	KeyLeg
KeySer	Legend	SerLeg	YLeg
<b>ConstType</b>	DecimalsNum	Font	hFont
<b>ItemColor</b>	<b>ItemStyle</b>	<b>ItemWidth</b>	<b>Title</b>
Db1Clk	HText	RigClk	Scroll
<b>MarkerSize</b>	<b>MarkerVolume</b>	<b>MultiLineStyle</b>	<b>MultiPoint</b>
<b>MultiShape</b>	<b>MultiType</b>	PointType	<b>SeparateSlice</b>
<b>Shape</b>	<b>CurrentAxis</b>	Grid	<b>MultiYAxis</b>
PixFactor	VertGridGap	<b>CustomTool</b>	<b>EnableTbItem</b>

**GalleryTool**

StatusText

**ToolPos**

Color

RGBBarHorz

Language

Edit

NSeries

**DataStyle**

RGBBk

View3D

WallWidth

Style

**LegStyle****TbBitmap****ToolSize**

Pattern

ThisSerie

CloseData

**Import**

PrintIt

**DataType**

RGBFont

Angles3D

**Zoom****StyleEX**

ShowStatus

**TbItemId****ToolStyle**

RGB2DBk

Value

Type

**Export**

ShowDialog

IniValue

Scheme

**View3DDepth****MaxValues**

Status

**TbItemStyle**

BKColor

RGB3DBk

XValue

**TypeEx**

NValues

Adm

**OpenData**

Stacked

**View3DLight****RealTimeStyle**

*\* Every property has its corresponding message with the CM\_ prefix. Bold Names represent new or enhanced in Chart FX 3.0*

## ***Events (Notification Messages) List\*:***

Chart FX most valuable asset for developers its the way it opens to the programmer to control different events triggered by the end user in the chart. Usually, you will want to control how your charts respond to user interaction such as: Mouse events, color changing, File Saving and Retrieving, and many other events that can be handle in different situations. In the following we will present you the different notification messages that you can capture while working with Chart FX 3.0

ChangeColor	ChangeFont	ChangePalette	ChangePattern
ChangePattPal	ChangeString	<b>ChangeType</b>	ChangeValue
Destroy	GetLegend	GotFocus	<b>InternalCommand</b>
LButtonDblClk	<b>LButtonDown</b>	<b>LButtonUp</b>	LostFocus
Menu	<b>MouseMove</b>	<b>PaintMarker</b>	<b>PostPaint</b>
<b>PrePaint</b>	<b>RButtonDblClk</b>	RButtonDown	<b>RButtonUp</b>
ReadFile	ReadTemplate	<b>ShowToolBar</b>	<b>UserCommand</b>
<b>UserScroll</b>			

*\* Every event has its corresponding notification message message with the CN\_ prefix. Bold Names represent new or enhanced in Chart FX 3.0.*

# DEVELOPER SPEAKS

*Chart FX and Software FX, Inc technical support staff, have received the most eloquent opinions from our users. This is the best award any company can receive, and we're proud of it ...*

*"I wanted to drop you a note and let you know how thrilled I am with both Chart FX and the support you've given us. Not only is Chart FX the best thing out there (I know, I've looked at them all!), but your responsiveness to my questions and problems has been unbelievable!. The thing that is most impressive to me is that if I call you with a problem that you can't answer on the phone, I have a solution via e-mail within a few hours. This type of service is unheard of, and I would like to congratulate you on the lengths you go through to make customers happy. Besides being a technically superior product, the user interface to Chart FX is superb. I hear comments all the time about how easy and FUN our graphics are to use (it's all Chart FX)"*

David Fein  
Application Development Manager  
John Wiley & Sons, Inc.  
Publishers Since 1807

## **Other Technical Highlights...**

The following Chart types are available in Chart FX 3.0, supporting 2D as well as **3D special effects and rotation capabilities**:

**LINE**  
**BAR**  
**HORIZONTAL BAR**  
**SPLINE or CURVE**  
**POINTS**  
**PIE and EXPLODING PIE**  
**AREA**  
**SCATTER**  
**HILOW and CANDLESTICKS**  
**SURFACE**  
**POLAR**  
**CUBE**  
**DOUGHNUT**  
**PARETO**  
**CONIC**  
**CILINDRIC**  
**MULTIPLE TYPE**

### ***Development tools:***

Chart FX 3.0 has been fully tested and provides sample code for the following development tools:

**Borland Delphi**

**Microsoft Visual Basic**

**Microsoft Visual C++**

**Microsoft Access**

**Borland C/C++**

**Gupta SQL Windows**

**Model Sizes:**

**VBX: 305K**

**OCX: 430K**

**DLL: 275K**

