GVBox Help Contents

The Contents lists Help topics available for GVBox.   Use the scroll bar to see entries not currently visible in the Help window.

To learn how to use Help, press F1 or choose Using Help from the Help menu

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Registering

GVBox: File Types

Graphics Viewer   VBX will read ART, BMP, CUT, DIB. GEM, GIF, HRZ, IFF, IMG, JPG, LBM, MAC, MSP, PCX, PIC, RAS, RLE, TGA, TIF, WMF, and WPG file formats.

ART   PFS First Publisher
BMP   Microsoft Windows and OS2 bitmaps
CUT   Dr. Halo
DIB   Microsoft Windows Device Independent Bitmaps
GEM   GEM Raster files (Digital Research)
GIF   Compuserve Graphics Interchange Format
HRZ   Slow Scan Television
IFF   Interchange File Format (Amiga Electronic Arts Deluxe Paint)
IMG   GEM Raster files (Digital Research)
JPG   Joint Photographics Experts Group
LBM   Interchange File Format (Amiga Electronic Arts Deluxe Paint)
MAC   Macintosh Paint
MSP   Microsoft Paint
PCX   ZSoft PC Paintbrush
PIC   Pictor PC Paint
RAS   Sun Raster files
RLE   Run-length Encoded BMP files
TGA   Targa TrueVision Files
TIF   Tagged Image File Format (PC or Mac)
WMF   Windows Meta-files
WPG   Word Perfect Graphics

GVBox: Properties

In addition to standard control properties, the GVBox control has the following extra properties:

About	Picture
Autosize	PrintHDC
DCTMethod	PrintX
Dither	PrintY
FancyUpsampling	PrintZoom
FileName	Thumbnail
GVOpenPicture	TwoPassQuantize
hDC	Zoom
JPEGDither	

If you change any of the standard properties at run time, you should invoke the **Refresh** method.

GVBox: Errors

GVBOX.VBX check for errors; however, several graphics formats have variations in their file structures and may not be readable by Graphics Viewer.   Some files may even cause the VBX to lock-up.   If you experience any difficulty reading files with GVBOX.VBX, please contact me.

The following errors may be generated by GVBOX.VBX:
   20000   Unknown error occurred
   20001   Could not open file - can be caused by locked files.
   20002   Error allocating memory
   20003   Error reading file
   20004   Memory error - bad copy
   20005   Could not create DIB handle
   20006   Error allocating huge memory
   20007   Bad code in GIF file
   20008   Bad first code in GIF file
   20009   Bad bit in GIF file
   20010   Bad header in file
   20011   Could not find bitmap in file - Some WPG files do not contain bitmaps.
   20012   Could not create palette
   20013   File type not supported
   20014   Could not load GVJPEG.DLL - check to make sure it is in the WINDOWS\SYSTEM directory
   20015   Unsupported TIFF compression method

 GVBox Properties:About

About tells you the version number of the control and how to contact the author.

GVBox Properties: Autosize

Auotsize can be set to the following values:
  0 - Off
  1 - Fit to Bitmap
  2 - Fit Horizontally
  3 - Fit Vertically

When set to 0 (Off), the size of the control is not changed and the bitmap is displayed in the upper - left corner and sized depending on the Zoom property.

When set to 1 (Fit to Bitmap), the size of the control is set to the size of the bitmap and increased depending on the Zoom property.

When set to 2 (Fit Horizontally), the bitmap is stretched to match the width of the control and the height is set to maintain the aspect ratio.

When set to 3 (Fit Vertically), the bitmap is stretched to match the height of the control and the width is set to maintain the aspect ratio.

The Zoom property has no effect when **Autosize** is set to either 2 or 3.

Non-placeable metafiles are displayed to fit the current size of the control.   If you want to display a non-placeable metafile at a certain size, set the **Width** and **Height** properties before setting the FileName property.

GVBox Properties: DCTMethod

DCTMethod can be set to the following values:
   0 - Slow Integer
   1 - Fast Integer
   2 - Floating Point

DCTMethod only applies to JPEG files.   The default is Fast Integer and will usually give a reasonably good quality picture.

GVBox Properties: Dither

Dither can be set to the following values:
   0 - No Dithering
   1 - Dither Always
   2 - Dither extra colors

Dither Extra Colors is the default.   If you set Dither to 0 (No Dithering) and try to display a 24 bit image on a 256 color display, the picture will take a very long time to display and the system will appear locked up. Care should be taken when selecting no dithering.

 GVBox Properties: FancyUpsampling

FancyUpsampling applies to JPEG files and when set to **TRUE** provides a higher quality image at the expense of speed.

GVBox Properties: FileName

FileName is the name of the file you want to load into the GVBox control.   Setting FileName to NULL ()
will clear the picture from the control.

The FileName property can be set directly or by setting the <u>GVOpenPicture</u> property to TRUE
and selecting a file from the common dialog box.

 GVBox Properties: GVOpenPicture

Setting GVOpenPicture to **TRUE** brings up a common dialog box for selecting files to load into the GVBox control.

 GVBox Properties: hDC

hDC is the device context for the GVBox control.   This property can be used for Windows drawing and text functions to draw graphics or display text over graphic images.   Graphics statements should be placed in the **GVBox_Paint** event so that they are updated whenever the control is re-drawn.

GVBox Properties: JPEGDither

JPEGDither can be set to the following values:
   0 - None
   1 - Ordered
   2 - Floyd-Steinberg

The default is 1 (Ordered).   0 (None) is faster; however, the quality is usually not very good.   2 (Floyd-Steinberg) gives higher quality but is much slower.

GVBox Properties: Picture

The Picture property can be used by **SavePicture** to save the image in **BMP** format or to assign to another control (i.e. Picture1.Picture = GVBox1.Picture).   You can not save **WMF** files with **SavePicture** unless you have the <u>Thumbnail</u> property set to **TRUE**.   The Picture property is read only.

GVBox Properties: PrintHDC

Setting PrintHDC to Printer.HDC prints the image to the Printer Object based on the PrintX, PrintY, and PrintZoom properties (the Printer Object should already be started before setting PrintHDC).   You can also pass the HDC of any control to PrintHDC.

 GVBox Properties: PrintX

PrintX is the X coordinate where you want the image placed.   This value is always in Pixels.

GVBox Properties: PrintY

PrintY is the Y coordinate where you want the image placed.   This value is always in Pixels.

 GVBox Properties: PrintZoom

PrintZoom is the percentage by which to size the printed picture. PrintZoom can be set to the following values:
  0 - 100%
  1 - 200%
  2 - 300%
  3 - 400%
  4 - 500%

 GVBox Properties: Thumbnail

Thumbnail, when set to **TRUE,** creates a small preview image of the picture.

GVBox Properties: **TwoPassQuantize**

TwoPassQuantize applies to JPEG images and when set to **TRUE** provides a higher quality image at the expense of speed.
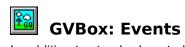
 GVBox Properties: Zoom

Zoom increases the size of the picture up to 400%. Zoom can be set to the following values:
- 0 - 100%
- 1 - 200%
- 2 - 300%
- 3 - 400%

 GVBox: Registering

To get a version of GVBOX.VBX without the nag window, you can register Graphics Viewer VBX online via CompuServe (GO SWREG ID #6170) or by contacting me at:

Compuserve 71742,1451
E-Mail - joe_oliphant@csufresno.edu

GVBox: Events

In addition to standard control events, the GVBox control has the following events:

Paint   Resize

▣ GVBox Events: Paint

The Paint event is fired every time the control is redrawn.   If you want to use the <u>hDC</u> property to draw on the control, statements should be placed in the **GVBox_Paint** event.

 GVBox Events: Resize

The Resize event is fired whenever the control is resized either through changes to the **Width** or **Height** properties or when loading a file when <u>AutoSize</u> is **TRUE**.

 JPEG Files

GVBOX.VBX requires GVJPEG.DLL to read JPEG files.   GVJPEG.DLL should be placed in the WINDOWS\SYSTEM directory.

JPEG files take longer to display than other file types.   The DCTMethod, FancyUpsampling, TwoPassQuantize, and JPEGDither properties control the speed and quality of JPEG images.

 GVBox Help