



Intelligent Paper to CAD Solutions[®]
Please Print Out This Quick Reference Road Map



GTXRaster CAD[®] 2010 Series:

- GTXRaster Tools[™]
- GTXRaster CAD[®]
- GTXRaster R2V[™]
- GTXRaster CAD[®] PLUS

Installation











If you are installing a purchased product, be sure to install the correct product or it will only run in demo mode.

If you are evaluating the software, please note that each product includes different features. You can install *PLUS* to try out most of the series' features.

1. Run **SETUP.EXE** from DVD-ROM.
2. When asked for the product you are installing, select GTXRaster Tools, GTXRaster CAD, GTXRaster R2V or GTXRaster CAD *PLUS*.
3. When asked select either "Licensed" or "Demo" mode, then continue to follow the remaining prompts.

If you are installing a Demonstration version you do not need to activate your license.

Imaging Commands

Command	Result	Available
 GATTACH	L oads or attaches a raster image	ALL
 GINFO	Obtains details about the current raster image	ALL
 GCREATE	C reates a new raster image	ALL
 GSAVE	S aves the currently selected raster image	ALL
 GCUT	C uts raster to a file or a memory buffer.	CAD, PLUS
 GPASTE	P astes raster data into current image from buffer or raster file.	CAD, PLUS
 GRESIZE	R esizes the active image	ALL
 GINVERT	R everses the background and foreground raster colors of the current raster image.	ALL
 GACTIVE	Loads an image and makes it "current"	ALL
 GINACTIVE		

About GTX Corporation

Since 1984, GTX Corporation has been developing Software Solutions for the Technical Imaging Industry to help users bring Scanned Paper Drawings & Maps etc. into their CAD-EDM-GIS Computer Environments.

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Activate Your License

For licensed products:



GTX Raster CAD 2010 Series now includes the option for Software or HASP Hardware locking, this can be either a single user license or a network floating license.

For HASP Hardware locking please refer to the following help file: [Start.chm](#)

For Software Locking please refer to the following help file: [GTX_Flex_Licensing.chm](#)





These files can be found on the GTX product DVD.

Imaging Commands, Continued

Command	Result	Available
 IMAGEFRAME	D isplays image frames so you can select images.	ALL
 GHELP	Launches GTXRaster CAD Help File	ALL









Modify Images Commands

Modify Images commands applies AutoCAD Move, Copy, Scale and Rotate commands to all images at once.

Command	Result	Available
 GMAI	M oves all images.	ALL
 GCAI	C opies all images.	ALL
 GSAI	S cales all images.	ALL
 GRAI	R otates all images.	ALL












Enhance Commands

Enhance commands provide an effective way to prepare an image for editing or conversion.

Command	Result	Available
 GTURN	Quickly rotates the active image by a multiple of 90 degrees.	ALL
 GDESKEW	Deskews the current image.	ALL
 GADESKEW	Automatically deskews the current image.	CAD, R2V, PLUS
 GSPECKLE	Deletes speckles from the current image.	ALL
 GCLEANIOP	Automatically deskews and despeckles the current image.	CAD, R2V, PLUS
 GACLEAN	Automatically cleans and deskews the current image.	CAD, R2V, PLUS
 GCROP	Deletes all raster data outside a specified rectangular window.	ALL
 GERASE	Erases selected raster.	ALL









Edit Commands

Edit commands let you directly edit drawings without converting them to vector first.

Command	Result	Available
 GERASE	Erases selected raster.	ALL
 GCOPY	Copies selected raster to a new location in the current image.	CAD, PLUS
 GMIRROR	Mirrors selected raster across a mirror line.	CAD, PLUS
 GOFFSET	Offsets raster lines, arcs and circles.	CAD, PLUS
 GARRAY	Copies selected raster data in rectangular or polar arrays.	CAD, PLUS
 GMOVE	Moves selected raster data.	CAD, PLUS
 GROTATE	Rotates selected raster data to a specified angle.	CAD, PLUS
 GSCALE	Scales selected raster data by a specified scale factor.	CAD, PLUS
 GCHANGE	Stretches raster lines, arcs and circles.	CAD, PLUS
 GSLICE	Slices raster objects that should not be joined.	RTOOLS, CAD, PLUS
 GRUB	Erases raster under selected vector objects.	RTOOLS, CAD, PLUS























Conversion Commands

Conversion commands translate data from one format to another (i.e., raster to vector).




Command	Result	Available
 GCONVRT	Converts raster data to AutoCAD vector geometry.	R2V, PLUS
 GRASTER	Converts vector objects to raster.	CAD, R2V, PLUS
 GCONVRT	Converts the edges of solid raster to vector objects.	R2V, PLUS
 GEDGE	Removes the inside of solid raster regions, leaving only the edge.	ALL
 GBURN	Converts all vector objects in the drawing to raster ("burns" to raster).	CAD, R2V, PLUS
 DRAWORDER	Moves all raster image entities' draworder to back.	ALL
 GTRACE	Traces over raster objects with vector entities	CAD, R2V, PLUS
 GVECTOR	Converts a single raster entity into vector	CAD, R2V, PLUS

Intelligent Object Picking (IOP)






IOPs permit you to accurately select shapes within raster drawings.

IOP	Result	IOP	Result
 Add	Adds to selection	 Remove	Removes from selection
 Window	All in rectangle	 PWindow	All in polygon
 Crossing	Inside & crossing polygon	 PCrossing	Inside & crossing polygon
 Inside	Entirely within rectangle	 Pinside	Entirely within polygon
 Fence	Crossing polyline	 Arc	Intelligent Arc
 Line	Intelligent Line	 Circle	Intelligent Circle
 2p-Circle	Intelligent Circle	 Segment	Contour/Segment
 AllText	All Text	 Text Win	Text Window
 Text Line	Text Line	 Under	Under vector
 Object	Isolated object	 Previous	Previous selection
 All	All Raster	 Undo	Undo last pick

Edit Commands, Continued




Command	Result	Available
 GSMOOTH	Smooths selected raster data.	CAD, R2V, PLUS
 GWARP	Stretches areas of the current image between source and destination points.	CAD, R2V, PLUS
 GREFLCT	Reflects the current image about the X or Y axis.	ALL

GTX Draw Commands




Command	Result	Available
 GLINE	Draws a raster line in the current image.	RTOOLS, CAD, PLUS
 GARC	Draws a raster arc in the current image.	RTOOLS, CAD, PLUS
 GCIRCLE	Draws a raster circle in the current image.	RTOOLS, CAD, PLUS
 GLINE2	Draws multiple raster lines in the current image.	RTOOLS, CAD, PLUS
 GRECTANGLE	Draws a raster rectangle in the current image.	RTOOLS, CAD, PLUS

Color Commands

GTX provides commands to enable you to Reduce and Separate color images.

Command	Result	Available
 GREDUCE	Reduces the number of colors in an image to a more manageable number	ALL
 GSEPARATE	separates out individual colors, or selected groups of colors from a color image	ALL
 GBITONAL	Automatically reduces a color image to a binary (1-bit) image.	ALL

TEXT Conversion Commands

Command	Result	Available
 GTCONFIG	Configures text conversion.	R2V, PLUS
 GTRAIN	Trains ICR recognition files.	R2V, PLUS
 GTCONVRT	Converts raster text to AutoCAD text objects.	R2V, PLUS