



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



GTXRaster CAD[®] Series V9.0:

- 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 CD-ROM.
2. When asked for the product you are installing, select GTXRaster Tools, GTXRaster CAD, GTXRaster R2V or GTXRaster CAD *PLUS*.

If you are just installing a demonstration, **STOP HERE.**

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.	ALL
GPASTE	P astes raster data into current image from buffer or raster file.	ALL
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:

3. Run **HDD32.EXE** to install HASP drivers
4. **A**ttach the **HASP** security key to your computer
5. Run **CUSTOMER.EXE**
6. Select **GET ID** to obtain your HASP ID from your key. The HASP ID is *not* printed on the outside of your key.
7. **R**egister your product:
 - a. **O**nline at www.gtx.com/authorize.asp, or...
 - b. **V**ia fax using the blue form that was shipped with your product
8. GTX will return one or more **RUS PASSWORDS** to authorize your HASP key.
9. Run **CUSTOMER.EXE** again and select **MANUAL**.
10. Enter the **RUS PASSWORD**. The HASP key is authorized and your software fully active! Now you can run your software.

Network Licenses:

Install your software on the computer that is to be the license server. See "Network Security" in your user's manual for more information.

Imaging Commands, Continued

Command	Result	Available
IMAGEFRAME	D isplays image frames so you can select images.	ALL
GINFO	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, R2V, PLUS
GMIRROR	Mirrors selected raster across a mirror line.	CAD, R2V, PLUS
GOFFSET	Offsets raster lines, arcs and circles.	CAD, R2V, PLUS
GARRAY	Copies selected raster data in rectangular or polar arrays.	CAD, R2V, PLUS
GMOVE	Moves selected raster data.	CAD, R2V, PLUS
GROTATE	Rotates selected raster data to a specified angle.	CAD, R2V, PLUS
GSCALE	Scales selected raster data by a specified scale factor.	CAD, R2V, PLUS
GCHANGE	Stretches raster lines, arcs and circles.	CAD, R2V, 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
GECONVRT	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
DRAWWORDER	Moves all raster image entities' draworder to back.	ALL

Intelligent Object Picking (IOP)

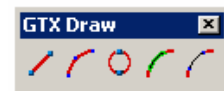
IOPs permit you to accurately select shapes within raster drawings.

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
GRUB	Erases raster under selected vector objects.	CAD, R2V, PLUS
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.	ALL
GARC	Draws a raster arc in the current image.	ALL
GCIRCLE	Draws a raster circle in the current image.	ALL

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	CAD, R2V, PLUS
GSEPARATE	separates out individual colors, or selected groups of colors from a color image	CAD, R2V, PLUS
GBITONAL	Automatically reduces a color image to a binary (1-bit) image.	CAD, R2V, PLUS

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