



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



GTXRaster CAD[®] Series V12.0:

- 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*.
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.

GTX Corporation	GTX Europe, Ltd.
15333 North Pima Road Scottsdale, AZ 85260 Suite 116	Unit 8 Cedarwood Chineham Park, Crockford Lane Basingstoke, Hampshire RG24 8WD United Kingdom
Tel: (480) 889-8600 Fax: (480) 889-8610 E-mail: info@gtx.com	Tel: +44 (0) 1256-814444 Fax: +44 (0) 1256-364887 E-mail: info@gtx.co.uk

WWW.GTX.COM

GTX[®], GTXRaster CAD[®] and Intelligent Paper to CAD Solutions[®] are registered trademarks of GTX Corporation. GTXRaster Tools[™], GTXRaster R2V and Where Paper and CAD Connect[™] are trademarks of GTX Corporation. GTXScanClean[™] is protected by US Patent No 7,016,536 © Copyright 2008 GTX Corporation. All Rights Reserved.

Activate Your License

For licensed products:



GTX Raster CAD Series V12.0 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 CD.

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
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
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