



*Intelligent Paper to CAD Solutions<sup>®</sup>*  
Please Print Out This Quick Reference Road Map



**GTXRaster CAD<sup>®</sup> 2011 Series:**

- GTXRaster Tools™
- GTXRaster CAD<sup>®</sup>
- GTXRaster R2V™
- GTXRaster CAD<sup>®</sup> 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	<b>L</b> oads or attaches a raster image	ALL
 GINFO	Obtains details about the current raster image	ALL
 GCREATE	<b>C</b> reates a new raster image	ALL
 GSAVE	<b>S</b> aves the currently selected raster image	ALL
 GCUT	<b>C</b> uts raster to a file or a memory buffer.	CAD, PLUS
 GPASTE	<b>P</b> astes raster data into current image from buffer or raster file.	CAD, PLUS
 GRESIZE	<b>R</b> esizes the active image	ALL
 GINVERT	<b>R</b> 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: <a href="mailto:info@gtx.com">info@gtx.com</a>	Tel: +44 (0) 1256-814444 Fax: +44 (0) 1256-364887 E-mail: <a href="mailto:info@gtx.co.uk">info@gtx.co.uk</a>

**[WWW.GTX.COM](http://WWW.GTX.COM)**

GTX<sup>®</sup>, GTXRaster CAD<sup>®</sup> and Intelligent Paper to CAD Solutions<sup>®</sup> 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 2010 GTX Corporation. All Rights Reserved.

**Activate Your License**

**For licensed products:**

**GTX Raster CAD 2011 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.

**MINIMUM SYSTEM REQUIREMENTS:**

- Windows<sup>®</sup> 7 (32 & 64 Bit)
- Windows<sup>®</sup> Vista (32 & 64 Bit)





Pentium 4 or equivalent processor, 1GB RAM, 80MB free hard disc space & 512MB swap space.

**Imaging Commands, Continued**

Command	Result	Available
 IMAGEFRAME	<b>D</b> 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	<b>M</b> oves all images.	ALL
 GCAI	<b>C</b> opies all images.	ALL
 GSAI	<b>S</b> cales all images.	ALL
 GRAI	<b>R</b> otates all images.	ALL












## Enhance Commands

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

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









## Edit Commands

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

Command	Result	Available
 GERASE	<b>Erases</b> selected raster.	ALL
 GCOPY	<b>Copies</b> selected raster to a new location in the current image.	CAD, PLUS
 GMIRROR	<b>Mirrors</b> selected raster across a mirror line.	CAD, PLUS
 GOFFSET	<b>Offsets</b> raster lines, arcs and circles.	CAD, PLUS
 GARRAY	<b>Copies selected raster data</b> in rectangular or polar arrays.	CAD, PLUS
 GMOVE	<b>Moves</b> selected raster data.	CAD, PLUS
 GROTATE	<b>Rotates</b> selected raster data to a specified angle.	CAD, PLUS
 GSCALE	<b>Scales</b> selected raster data by a specified scale factor.	CAD, PLUS
 GCHANGE	<b>Stretches</b> raster lines, arcs and circles.	CAD, PLUS
 GSLICE	<b>Slices</b> raster objects that should not be joined.	RTOOLS, CAD, PLUS
 GRUB	<b>Erases</b> 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	<b>Converts</b> raster data to AutoCAD vector geometry.	R2V, PLUS
 GRASTER	<b>Converts</b> vector objects to raster.	CAD, R2V, PLUS
 GECONVRT	<b>Converts</b> the edges of solid raster to vector objects.	R2V, PLUS
 GEDGE	<b>Removes</b> the inside of solid raster regions, leaving only the edge.	ALL
 GBURN	<b>Converts</b> all vector objects in the drawing to raster ("burns" to raster).	CAD, R2V, PLUS
 DRAWORDER	<b>Moves</b> all raster image entities' draworder to back.	ALL
 GTRACE	<b>Traces</b> over raster objects with vector entities	CAD, R2V, PLUS
 GVECTOR	<b>Converts</b> 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	<b>Smooths</b> selected raster data.	CAD, R2V, PLUS
 GWARP	<b>Stretches</b> areas of the current image between source and destination points.	CAD, R2V, PLUS
 GREFLCT	<b>Reflects</b> the current image about the X or Y axis.	ALL

## GTX Draw Commands




Command	Result	Available
 GLINE	<b>Draws</b> a raster line in the current image.	RTOOLS, CAD, PLUS
 GARC	<b>Draws</b> a raster arc in the current image.	RTOOLS, CAD, PLUS
 GCIRCLE	<b>Draws</b> a raster circle in the current image.	RTOOLS, CAD, PLUS
 GLINE2	<b>Draws</b> multiple raster lines in the current image.	RTOOLS, CAD, PLUS
 GRECTANGLE	<b>Draws</b> 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	<b>Configures</b> text conversion.	R2V, PLUS
 GTRAIN	<b>Trains</b> ICR recognition files.	R2V, PLUS
 GTCONVRT	<b>Converts</b> raster text to AutoCAD text objects.	R2V, PLUS