











# GTX Draw Commands

Command	Result	Available
 A	GTEXT Draws raster Text in the current image.	RTOOLS, CAD, PLUS
 L	GLINE Draws a raster line in the current image.	RTOOLS, CAD, PLUS
 A	GARC Draws a raster arc in the current image.	RTOOLS, CAD, PLUS
 C	GCIRCLE Draws a raster circle in the current image.	RTOOLS, CAD, PLUS
 X	GLINE2 Draws multiple raster lines in the current image.	RTOOLS, CAD, PLUS
 R	GRECTANGLE Draws a raster rectangle in the current image.	RTOOLS, CAD, PLUS
 R	GROTRACTANGLE Draws a raster rectangle at any orientation angle.	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

## Intelligent Object Picking (IOP)

IOPs permit you to accurately select shapes within raster drawings.

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

### GTX Corporation

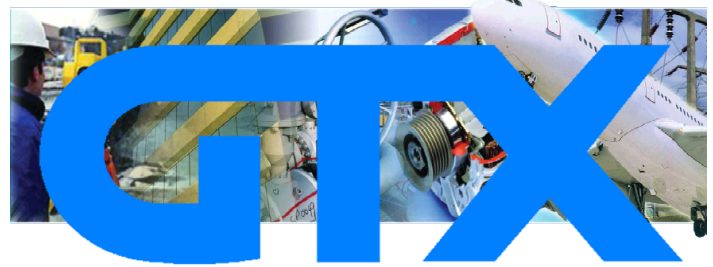
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**Intelligent Paper to CAD Solutions®**

**GTXRaster CAD® 2015 Series Quick Reference booklet**

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.

## Activate Your License

**For licensed products:**

**GTX Raster CAD 2015 Series** is licensed by a Software lock, this can be either a single user license or a network floating license.

For Software Locking please refer to the following help file: [GTX\\_Flex\\_Licensing.chm](#)

These files can also be found on the GTX product DVD.
















### MINIMUM SYSTEM REQUIREMENTS:

Windows® 8/8.1 (32 & 64 Bit)

Windows® 7 (32 & 64 Bit)

















Pentium 4 or equivalent processor, 2GB RAM, 100MB free hard disc space & 512MB swap space.

## Imaging Commands

Command	Result	Available
 GATTACH	Loads or attaches a raster image	ALL
 GPDFAttach	Loads or attaches a PDF image	ALL
 GDETACH	UNLoads or detaches a raster image	ALL
 GINFO	Obtains details about the current raster image	ALL
 GCREATE	Creates a new raster image	ALL
 GSAVE	Saves the currently selected raster image	ALL
 GPDFSave	Saves the currently selected raster image to a PDF	ALL
 GCUT	Cuts raster to a file or a memory buffer.	CAD, PLUS
 GPASTE	Pastes raster data into current image from buffer or raster file.	CAD, PLUS
 GRESIZE	Resizes the active image	ALL
 GINVERT	Reverses the background and foreground raster colors of the current raster image.	ALL
 GACTIVE	Loads an image and makes it "current"	ALL
 GINACTIVE		
 IMAGEFRAME	Displays image frames so you can select images.	ALL
 GHHELP	Launches GTXRaster CAD Help File	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
 GMCOPY	Multiple Copies of 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
 GCOORDS	Resizes the raster image by a specified measurement.	CAD, PLUS
 GCHANGE	Stretches raster lines, arcs and circles.	CAD, PLUS
 GCTEXT	Change raster text by text replacement	RTOOLS, CAD, PLUS
 GSLICE	Slices raster objects that should not be joined.	RTOOLS, CAD, PLUS
 GRUB	Erases raster under selected vector objects.	RTOOLS, CAD, PLUS
 GSMOOTH	Smoothens the 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









## Modify Images Commands

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

Command	Result	Available
 GMAI	Moves all images.	ALL
 GCAI	Copies all images.	ALL
 GSAI	Scales all images.	ALL
 GRAI	Rotates all images.	ALL











## Enhance Commands

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




Command	Result	Available
 GTURN	Quickly Turns 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

## Conversion Commands

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

Command	Result	Available	
 R2V	GCONVRT	Converts raster data to AutoCAD vector geometry.	R2V, PLUS
 A'	GHTEXT	Edit vector text and create a raster underlay.	CAD, R2V, PLUS
 O	GHYBIRDMODE	Enable vector overlay of drawn raster lines, arcs, circles, rectangles and text.	CAD, R2V, PLUS
 V2R	GRASTER	Converts vector objects to raster.	CAD, R2V, PLUS
 E	GECONVRT	Converts the edges of solid raster to vector objects.	R2V, PLUS
 E	GEDGE	Removes the inside of solid raster regions, leaving only the edge.	ALL
 BURN	GBURN	Converts all vector objects in the drawing to raster ("burns" to raster).	CAD, R2V, PLUS
 DRAWORDER	DRAWORDER	Moves all raster image entities' draworder to back.	ALL
 TRACE	GTRACE	Traces over raster objects with vector entities	CAD, R2V, PLUS
 VECTOR	GVECTOR	Converts a single raster entity into vector	CAD, R2V, PLUS

## TEXT Conversion Commands

Command	Result	Available	
 R2T	GTCONFIG	Configures text conversion.	R2V, PLUS
 C	GTRAIN	Trains ICR recognition files.	R2V, PLUS
 R2T	GTCONVRT	Converts raster text to AutoCAD text objects.	R2V, PLUS