

Other Software Tools

DDE Server, ECAM, HPGL2DMC

DMCDDE

The Galil Generic DDE Server is available in 32 bit versions for all current versions of Windows. DDE is a feature of Windows for communication between two Windows programs. This communication allows one program to send commands or data to another program.

The Galil Generic DDE Server allows a Windows program with DDE communications to send commands to Galil controllers. This connection allows you to send commands to the controller from spreadsheet programs such as Microsoft Excel, database programs such as FileMaker Pro or Microsoft Access, or laboratory automation software such as National Instruments' LabView. Galil also has a dedicated DDE server, called DMCWW, for InTouch from Wonderware.

The Galil Generic DDE Server can also be configured to poll the controller automatically and feed the data back to another Windows program via DDE. Also, the DDE server program window displays controller commands received through DDE communication and any responses from the controller to the command. There is a terminal in the DDE Server windows that allows you to type a command and send that command to the controller.

FUNCTION	DESCRIPTION
DDE Initiate	<i>Starting DDE communications</i>
DDE Execute	<i>Commands are sent to the DDE Server with this function</i>
DDE Poke	<i>Commands can also be sent to the DDE Server with this function</i>
DDE Request	<i>Send text received from controller to another application</i>
DDE Terminate	<i>Ending DDE communications</i>

DMCWW DDE Server for Wonderware

The Galil DDE Server for WonderWare InTouch allows InTouch to send commands and receive responses from a Galil motion controller.

The DDE Server for Galil motion controllers allows you to setup DDE Topics and Items, which can send commands to the controller. These commands could command motion, speed changes, change digital outputs, read digital or analog inputs, as well as set and read variables and arrays on the Galil controller.

Multiple controllers can also be defined and DDE Topics and Items attached, allowing InTouch to send commands to more than one Galil motion controller.

ECAM

Galil's CAM generating software enables the user to define the cam table by motion intervals: Each interval is defined by the endpoint coordinate of the master and the slave. The type of the interpolation within the interval may be specified as linear or cubic. Linear interpolation is used for intervals where the master and the slave must move proportionally, resulting in effectively constant gear ratio. Cubic interpolation is used in intervals where the slave accelerates. The effective gear ratio at the end of the interval may be specified.

HPGL2DMC

HPGL2DMC software takes the output from a plotter file and turns it into a series of commands suitable for DMC motion controllers. This software translates .PLT files into the proper digital motion control commands. These commands are then executed by the controller which, in turn, produces motion. HPGL2DMC is best suited for applications where the DMC controller is connected to a device that emulates a plotter.