

# **DMC-2x00**

**Manual Rev. 2.1**

**By Galil Motion Control, Inc.**

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## Using This Manual

This user manual provides information for proper operation of the DMC-2x00 controller. A separate supplemental manual, the Command Reference, contains a description of the commands available for use with this controller.

Your DMC-2x00 motion controller has been designed to work with both servo and stepper type motors. Installation and system setup will vary depending upon whether the controller will be used with stepper motors or servo motors. To make finding the appropriate instructions faster and easier, icons will be next to any information that applies exclusively to one type of system. Otherwise, assume that the instructions apply to all types of systems. The icon legend is shown below.



Attention: Pertains to servo motor use.



Attention: Pertains to stepper motor use.



Attention: Pertains to controllers with more than 4 axes.

Please note that many examples are written for the DMC-2x40 four-axes controller or the DMC-2x80 eight axes controller. Users of the DMC-2x30 3-axis controller, DMC-2x20 2-axes controller or DMC-2x10 1-axis controller should note that the DMC-2x30 uses the axes denoted as XYZ, the DMC-2x20 uses the axes denoted as XY, and the DMC-2x10 uses the X-axis only.

Examples for the DMC-2x80 denote the axes as A,B,C,D,E,F,G,H. Users of the DMC-2x50 5-axes controller, DMC-2x60 6-axes controller or DMC-2x70, 7-axes controller should note that the DMC-2x50 denotes the axes as A,B,C,D,E, the DMC-2x60 denotes the axes as A,B,C,D,E,F and the DMC-2x70 denotes the axes as A,B,C,D,E,F,G. The axes A,B,C,D may be used interchangeably with A,B,C,D.

<p><b>WARNING: Machinery in motion can be dangerous! It is the responsibility of the user to design effective error handling and safety protection as part of the machinery. Galil shall not be liable or responsible for any incidental or consequential damages.</b></p>
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