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# O V E R V I E W

## How To Use This User Guide

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This user guide is designed to help you install, develop, and maintain your system. Each chapter begins with a list of specific objectives that should be met after you have read the chapter. This section should help you find and use the information in this user guide.

### Assumptions

This user guide assumes that the user has a fundamental understanding of computers, basic electrical concepts, basic motion control concepts, and basic serial communication (RS-232C) concepts.

### User Guide Contents

This user guide contains the following information.

#### Chapter ① Introduction

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This chapter provides a description of the product's basic functions, features, and theory of operation.

#### Chapter ② Getting Started

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This chapter lists items you should have received with your shipment. A basic checkout procedure is provided.

#### Chapter ③ Installation

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This chapter contains system mounting and wiring instructions. Upon completion of this chapter, your system should be completely installed and ready to perform basic operations.

#### Chapter ④ Control Mode & Adjustment

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This chapter provides additional information that will help you customize the system to meet your application's needs. Important application considerations are discussed. Sample applications are provided.

#### Chapter ⑤ Hardware Reference

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This chapter contains system performance specifications (torque/speed curves) and motor dimension specifications.

#### Chapter ⑥ Maintenance & Troubleshooting

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This chapter describes system maintenance procedures. Methods for isolating and resolving problems are provided. Diagnostic error codes are listed.

## Installation Process Overview

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To ensure trouble-free operation, you should follow the installation procedures outlined in this user guide. Pay special attention to the environment in which the Dynaserv will operate, the layout and mounting, and the wiring and grounding practices used.

## Developing Your Application

Before you develop and implement your application, there are several issues that you should consider.

- ① Clarify the requirements of your application. Clearly define what you expect the system to do.
- ② Assess your resources and limitations. This will help you find the most efficient and effective means of developing and implementing your application.
- ③ Follow the guidelines and instructions outlined in this user guide. Proper installation and implementation can only be ensured if all procedures are completed in the proper sequence.

## Installation Preparation

Before you attempt to install this product, you should complete the following steps. Successful completion of these steps should prevent subsequent performance problems and allow you to resolve any potential system difficulties before they affect your system's operation.

- ① Become familiar with the user guide's contents so that you can find information that you need quickly.
- ② Develop a basic understanding of all system components, their functions, and interrelationships.
- ③ Complete the basic system configuration and wiring instructions (in a simulated environment, not a permanent installation) provided in *Chapter ② Getting Started*.
- ④ Perform as many basic moves and functions as you can with the preliminary configuration. Try to simulate (with no load attached) the task(s) that you expect to perform when you permanently install your system.
- ⑤ After you have familiarized yourself with and/or tested the system's functions and features, carefully read *Chapter ③ Installation*.
- ⑥ Begin the installation process. Do not deviate from the sequence or installation methods provided.
- ⑦ Before you begin to customize your system, check the system functions and features to ensure that you have completed the installation process correctly.

## Related Publication

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For more information on motion control concepts and Compumotor's complete product line and product capabilities, refer to the current *Parker Compumotor Motion Control Catalog*