

Simple Motion GX Works3

OEM: Mitsubishi Electric

COURSE DESCRIPTION

*Course materials are instructed for a three-day duration, though actual class length may vary This course is intended to provide in-depth training on the programming and troubleshooting of the Simple Motion module using the GX Works3 software Content is relevant to the RD77 simple motion modules, FX5-SSC simple motion modules, and RD78G motion module (operating in simple motion mode) with SSCNET, CC-Link IE Field, or CC- Link IE TSN servo amplifiers Programming topics include module configuration and wiring, motion programming, and synchronous control functions

AUDIENCE PROFILE

- Students responsible for programming and troubleshooting simple motion modules in the GX Works3 software

PREREQUISITES

- GX Works3 Programming

The following eLearning courses may be beneficial:

- <https://www.mitsubishielectric.com/fa/service-support/global/e-learning/eng.html>
- Simple Motion Module (MELSEC iQ-R Series)
- Simple Motion Module (iQ-R CC-Link IE Field)
- Simple Motion Module (iQ-F)
- MELSEC iQ-R/iQ-F Series Motion Module Basics (Simple Motion Mode)
- MELSERVO Basics

Course Hardware

- This course may be conducted on the iQ-R Series using the RD77MS or RD77GF simple motion modules, FX5-40SSC simple motion modules, or RD78G in simple motion mode

COURSE OBJECTIVES

By the end of this course, participants will be able to:

- This section doesn't contain any content.

Module 1

- Module Introduction
- GX Works3 Configuration
- Module Configuration
- SSCNETIII Configuration
- CC-Link IE Field Configuration
- CC-Link IE TSN Configuration
- Motion Parameters
- Module Control
- Diagnostics
- Home Position Return
- Positioning Tables
- Positioning Profiles
- Control Profiles
- Advanced Positioning
- Synchronous Mode
- Synchronous Input Axis
- Synchronous Configuration
- Clutches
- Cams
- Additional Programming Methods