Zaber Technologies Inc.
#2 - 605 West Kent Ave.
Vancouver, BC

1-604-569-3780 *Direct*
1-888-276-8033 *Toll Free*
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# X-JOY3 Datasheet



- Eight programmable keys for functions like storing and recalling positions
- Controls up to three axes, each with programmable sensitivity and velocity profile
- Compact bench-top design for manual control with or without a computer
- Intuitive ASCII protocol simplifies complex automation tasks
- Technical Article - Manual Control Using a Joystick
- Custom versions available

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## X-JOY3 Overview

The X-JOY3 is ideal for XY or XYZ applications requiring manual control. The joystick is intuitive to use, and the keys are pre-programmed with commands to home the devices, save positions, and switch between coarse and fine positioning. Each key can also be reprogrammed to send commands to any daisy-chained device. After programming, the joystick can be operated with or without a computer attached.

The X-JOY3 is compatible with all Zaber motor controllers and devices with built-in controllers. When connected with other X-Series products, power can be shared between all devices in the chain, reducing the number of power supplies needed.

For more information visit: https://www.zaber.com/products/controllers-joysticks/X-JOY3?part=X-JOY3

## X-JOY3 Part Numbering & Options

Part number: X-JOY3

**X-JOY 3**

**Number of Axes**
**3 — 3-Axis (this part)**

## X-JOY3 Drawings

- X-JOY3 (Dimension drawing for the X-JOY3)
- View all drawings and documents at zaber.com

## X-JOY3 Specifications

### Overview

| Specification | Value |
|---|---|
| Manual Control | 3-axis joystick, 8 programmable keys |
| LED Indicators | Yes (power, communication, error) |
| Weight | 0.52 kg<br>(1.146 lb) |

## Power and Communication

| Specification | Value |
|---|---|
| Communication Interface | RS-232 |
| Communication Protocol | Zaber ASCII (Default), Zaber Binary |
| Data Cable Connection | Locking 4-pin M8 |
| Power Supply | 24-48 VDC |
| Power Plug | 2-pin Screw Terminal |
| Maximum Current Draw | 50 mA |

## Environmental & Compliance

| Specification | Value |
|---|---|
| Operating Temperature Range | 0-50 °C |
| CE Compliant | Yes |
| Vacuum Compatible | No |

## Contact

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