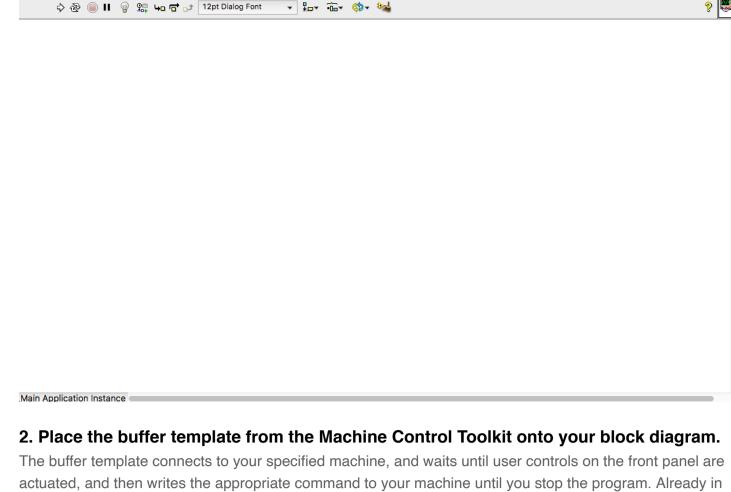
Getting Started

Get started with the Machine Control Toolkit by building a simple machine interface (step-by-step instructions below).

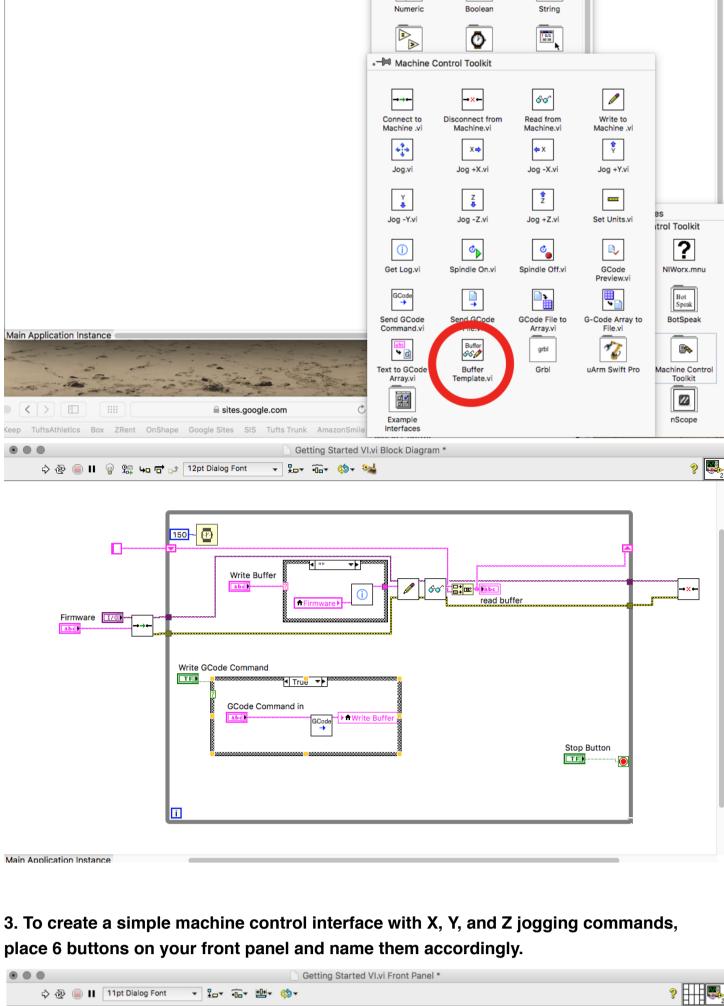
Getting Started VI.vi Block Diagram *

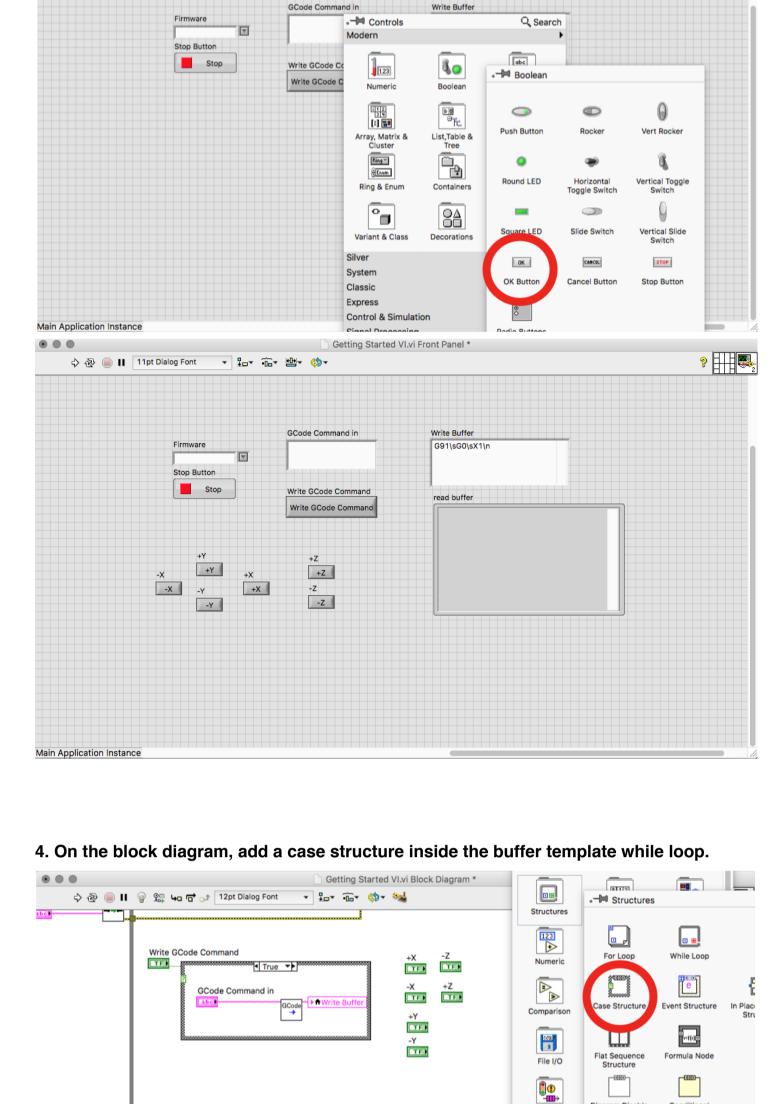
1. Open up a blank LabVIEW VI



Functions Q Search Getting Started VI. R 12 6 3 4 💠 🚱 🥚 🛮 💡 😭 🗤 🕝 💣 🚅 12pt Dialog Font ▼ ╬□▼ ŵ□▼ ��▼ ❖ Cluster, Class, & Variant Structures Array a A

the template is a control to type in a G-Code command and have it written to the machine.





Mathematics Signal Processing **Data Communication** Connectivity Main Application Instance

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add the Jog +X VI inside the case structure.

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Firmware 1701

Write GCode Command

+X

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5. Connect the case selector to the +X control button. From the Machine Control Toolkit,

Structures

Diagram Disable Structure

Synchronization

5

VI Analyzer

Measurement I/O

Instrument I/O

R 12

Array

Vision and Motion

Cluster, Class, &

Conditional Disable ...

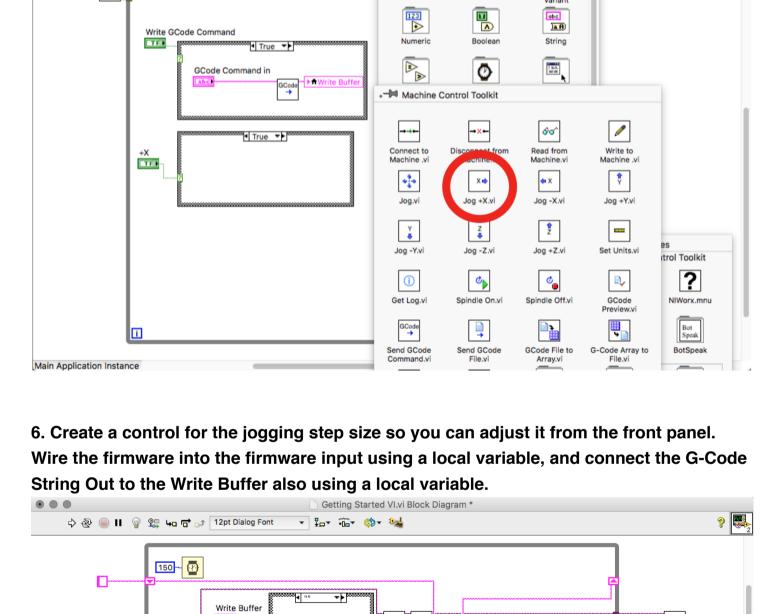
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Global

Feedba

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Main Application Instance

Getting Started VI.vi Block Diagram *

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①

* True ▼▶

⁴ True ▼▶

GCode Command in

Step Size

7. Repeat for the other 5 directions (-X, +Y, -Y, +Z, -Z)

-Z

Stop Button

?

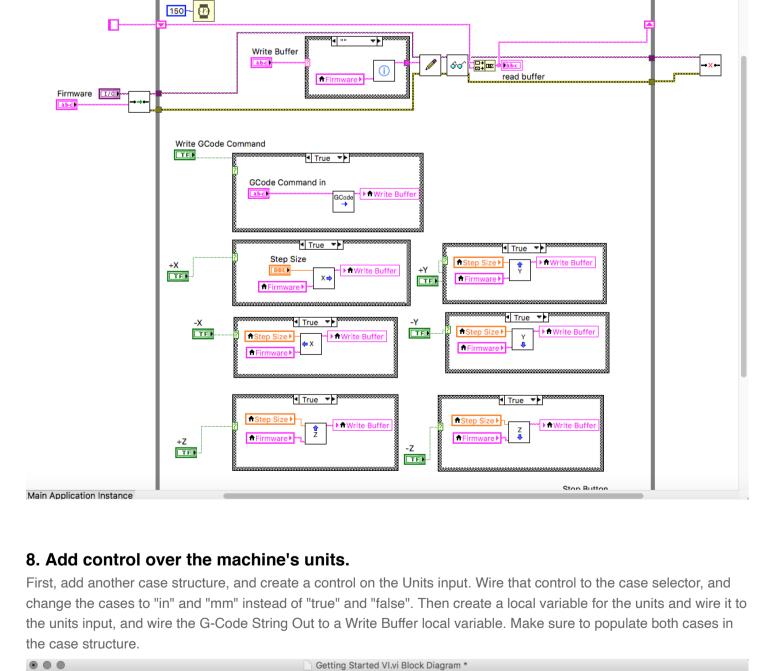
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TF.

-X +Z

+Y

-Y



150 - (2) Write Buffer **∅** 🗍 જેજ 1

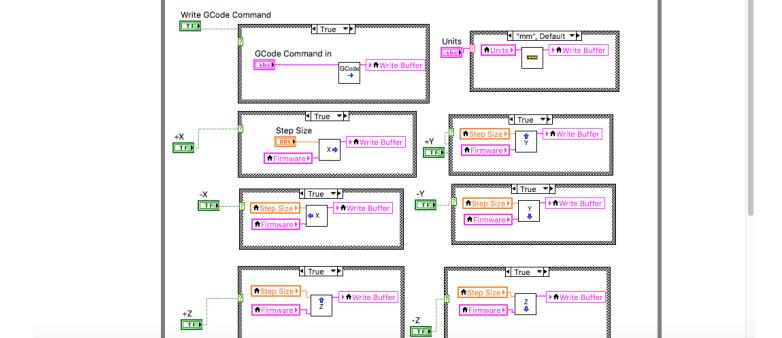
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Firmware 1/0

Main Application Instance

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Getting Started VI.vi Front Panel *
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♦

(a)

(b)

(c)

(d)

(e)

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