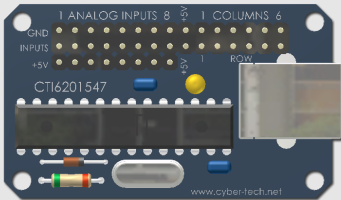


PRECISION HANDLE / JOYSTICK USB CONTROLLER CARD

12-20-2010 DOC: USB

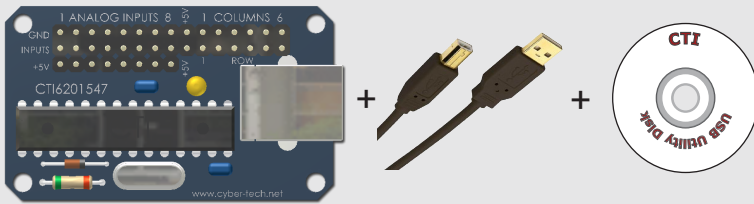
Cyber-Tech, Inc. offers a precision handle and joystick USB controller card, which allows a control device to easily be connected to your computer. The precision USB controller was engineered to except up to eight analog inputs with 10-bit resolution and 32 buttons. This controller comes standard with analog input filtering, full speed 12Mb USB connection and is natively supported by windows XP/2000/Me/98 and Mac OS X

Part# 100-090070-01



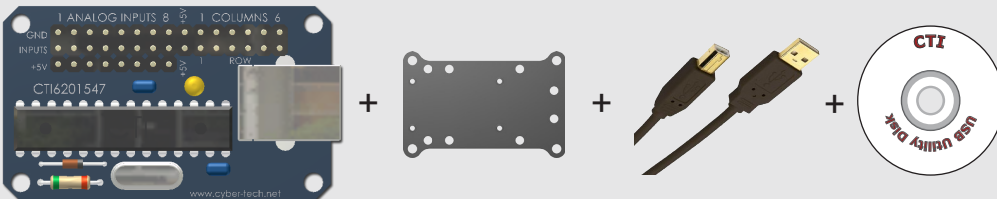
Includes: USB Controller Card (Part# 100-090070-01), software available by download.

Part# 100-090070-02



Includes: USB Controller Card (Part# 100-090070-01), 10' USB Cable and Software CD. If purchased with a Cyber-Tech control grip or joystick we will pre wire to your required specification.

Part# 100-090070-03



Includes: USB Controller Card (Part# 100-090070-01), Mounting Bracket, Hardware, 10' USB Cable and Software CD. If purchased with a Cyber-Tech control grip or joystick we will pre wire to your required specification.

SPECIFICATIONS

- 8 Analog Inputs
- 32 Buttons Inputs
- Hat Switch
- Dimensions (2.2"×1.25")

FEATURES

- Analog Inputs Filtering
- Powered from USB Bus
- Supported by Windows XP/2000/Me/98 and Mac OS X
- Full-Speed 12Mb USB connection 250 position reports per second

CONTROL HANDLE OPTION



CONTROL HANDLE / JOYSTICK OPTION



1.800.621.8754
1.503.620.2285
Fax: 1.503.620.8580
sales@cyber-tech.net

www.cyber-tech.net
Established 1982

HOW TO USE

Switching

Full 6x6 Matrix Connection (Fig 1)

Connect up to 36 switches to six ROWS and six COLUMNS pins on the controller card with diodes if there will be more than 3 contacts activated simultaneously.

Momentary switching requires no diodes.

First 32 buttons are standard buttons.

Last 4 contacts input make up 4-direction point-of-view hat (coolie) switch.

If diodes are required 1N4148 or 1N4004 are recommended.

Simplified Direct Connection To Any GND Pin (Fig 2)

Connect up to 12 buttons or switches. No diodes are required.

Analog

Connect up to 8 potentiometers and/or Hall Sensor with a 0v to +5vDC output by using the 3-Pin Analog Inputs. (Fig3)

Uses standard Windows gaming device calibration.

Curves and dead zones can be fine tuned with DIVIEW.

KEY POINTS

Full 6x6 Matrix
36 Buttons Matrix
12 Button (Simple Alternative)
Zero Configuration Required
Uses Standard Computer Ports
Momentary Switch required no diodes

6x6 SWITCH MATRIX

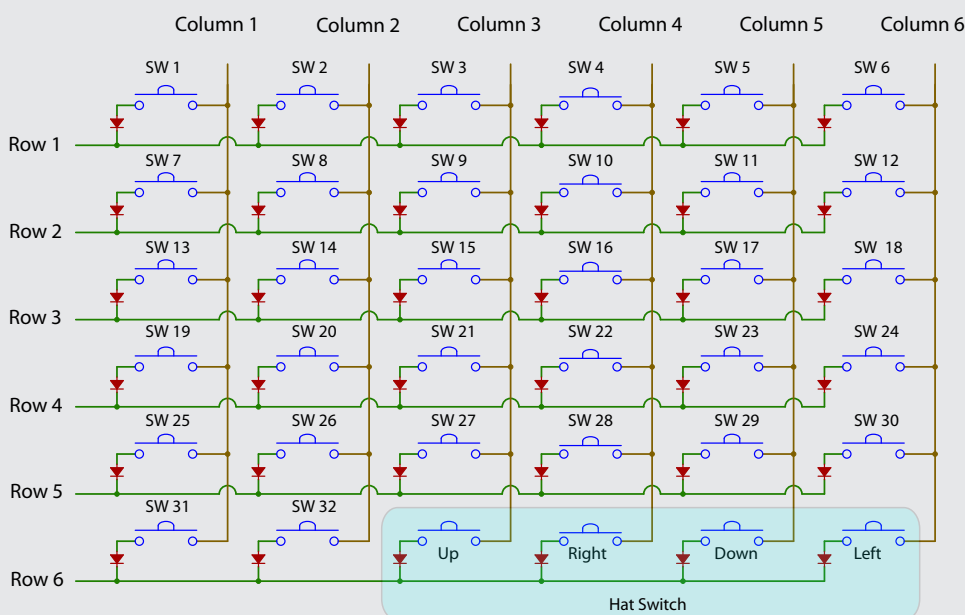


Fig 1

SIMPLE INSTALLATION

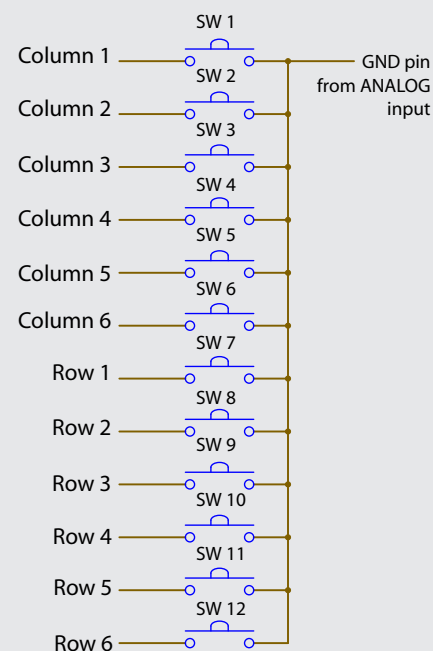


Fig 2

Analog Input

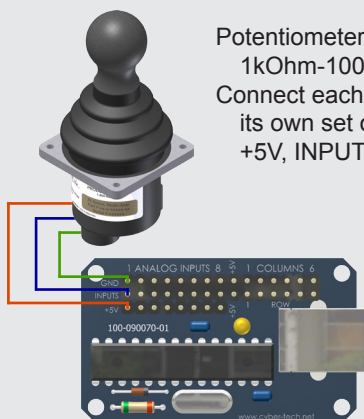
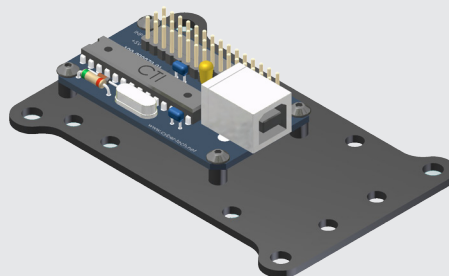


Fig 3

OPTIONAL MOUNTING BRACKET



GENERAL DIMENSION

