



USB accessibility joystick with extra button port



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Summary

This is a housing for using generic USB Arcade kits with the xbox accessibility controller.

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Tags: [accessibility](#) [arcade](#) [joystick](#) [usb](#) [xac](#) [xbox](#)

This is a housing for using generic USB Arcade kits for accessibility. Any USB arcade will work as long as it uses a typical SANWA style microswitch joystick and an Easyget button to usb board. These can typically be gotten on amazon for about \$20 total.

Optionally, you can re-solder the K5 - K8 button connectors to the backside of the board so you can connect additional buttons through the usb joystick. Take care not to short these connections and to rotate the connector such that the same wires connect to the same pins.

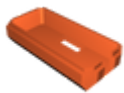
You also have the option of including a selector switch on the bottom allowing you to mechanically switch between a 4 and 8 position joystick. 8 positions is typically better, but some player may have trouble controlling between up and up-left, for example. this mechanism is dependent on the joystick you get, some have a rotating disk on the original joystick that facilitates this option, others do not.

Xbox accessibility controllers only recognize the K5 - K8 buttons (sometimes labeled L1, R1, L2, R2)

To assemble, first screw in the joystick and glue in the usb board before wiring them together. Then you can just glue the three parts together with a thick bead of hot glue. There is also a hole on the back plate for adding a 1/4-20 15mm threaded insert allowing the joystick to be independently mounted.

Category: Video Games

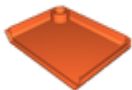
Model files



usbaj_board-with_connectors_255543.stl



usbaj_plate-with_switch_255543.stl



usbaj_plate-no_switch_255543.stl



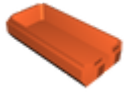
usbaj_switch_key_255543.stl



usbaj_housing_255543.stl



usbaj_mode_switch_255543.stl



usbaj_board-no_connector_255543.stl

button_mount.stl

[Find source .stl files on Thingiverse.com](#)

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