



D-pad joystick clip for Xbox Adaptive Controller



atom

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updated 7. 10. 2023 | published 7. 10. 2023

Summary

Clip-on adapter for modular Xbox Adaptive Controller D-pad joysticks. No disassembly required!



5.79 hrs



1 pcs



0.20 mm



0.40 mm



PLA



57 g



Prusa
MK3/S/S+

[Gadgets](#) > [Video Games](#)

Tags: [gaming](#) [disability](#) [xbox](#) [disabled](#) [accessible](#)
[onehanded](#) [xboxadaptive](#) [xac](#) [accessibility](#) [a11y](#)
[xboxadaptivecontroller](#) [accessibilityaid](#)

Fully printed clip-on adapter for the [modular Xbox Adaptive Controller joysticks](#) made by [Egon](#). No disassembly required!

Please provide feedback if you have any.

Assembly/Disassembly

Be careful to not put too much strain on the arm connection joints on the main D-pad clip. Due to the print orientation these are prone to breaking when stressed. I'm working on an updated design that allows the main clip to be printed in a stronger orientation.

1. Put the HandiAdapter_Base into the D-pad clip.
2. Screw the multitool adapter into the base to help hold the base in place.
3. Slide the clip onto the XAC.
4. Slide the end of an arm onto a corner of the XAC, gently bending the connector end upwards so that it can align with the opening on the main clip body.
5. Press arm connector into the clip body. It is a press fit, but this should not require large amounts of force. **Excessive force will damage the clip body.** When in doubt, trim a little off of the arm connector and try again.
6. Repeat for the other arm.

To disassemble, lift the arm connector out of the clip body first before attempting to remove the arm from the XAC. This avoids placing excess strain on the connection

Printing

Parts for the clip should be printed as oriented. 0.2mm layer height or lower.

Supports are required on the D-pad clip under the unbridgeable sections of the D-pad cutout and the right side connection point, as well as on the connector ends of the clip arms. See slicer screenshot and 3mf file for details.

For convenience, the Joysticks folder contains the files for the various joystick attachments and accessories from the original project. You can find the the recommended print and assembly instructions [here](#).

This remix is based on



XAC joysticks and universal adapter

by EgonHeuson

Model files



Joysticks and Attachments

27 files



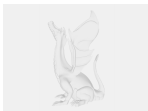
xac_handiadapter_chinjoystick.step



xac_handiadapter_joystick_standard.step



xac_handiadapter_joystick_sphere.step



xac_handiadapter_multitool.step



xac_handiadapter_joystick_ergodesign.step



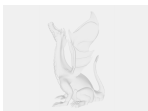
xac_handiadapter_joystick_twistedthin-chinversio.step



xac_handiadapter_joystick_twistedthin.step



xac_handiadapter_spacer_male.step



xac_handiadapter_spacer_female.step



xac_handiadapter_spacer_female-curved.step



xac_handiadapter_joystick_twistedlarge.step



xac_handiadapter_joystick_ergodesign_tighttol.stl



xac_handiadapter_joystick_standard_tighttol.stl



xac_handiadapter_joystick_sphere_tighttol.stl



xac_handiadapter_joystick_twistedthin_tighttol.stl



xac_handiadapter_joystick_twistedlarge_tighttol.stl



xac_handiadapter_spacer_female-curved.stl



xac_handiadapter_multitool.stl



xac_handiadapter_spacer_female.stl



xac_handiadapter_spacer_male.stl



xac_handiadapter_joystick_ergodesign.stl



xac_handiadapter_joystick_standard.stl



xac_handiadapter_joystick_sphere.stl



xac_handiadapter_chinjoystick.stl



xac_handiadapter_joystick_twistedthin-chinversion.stl



xac_handiadapter_joystick_twistedthin.stl



xac_handiadapter_joystick_twistedlarge.stl



xac_dpad_joystick_clip_mk3s_prusament_pla.3mf

☐ All parts including support enforcers



xac-v121_dpad_clip.stl



xac-v120_dpad_handiadapter_base.stl

☐ Modified from the original



xac-v120_rightarm.stl



xac-v120_leftarm.stl



test_joystick.stl

☐ The bottom half of a joystick from the original, useful for testing.



xac_handiadapter_multitool.stl

☐ The exact file from the original, included only for convenience.

Print files



xac_dpad_joystick_clip_mk3s_prusament_pla_02mm_pla_... .gcode

🌀 PLA 🌀 0.40 mm ≡ 0.20 mm ⌚ 5.79 hrs ⚖️ 57 g 🖨️ Prusa MK3/S/S+

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