Easy Fret Ukulele Playing Device

r **rhammons716**

VIEW IN BROWSER

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Summary

The Easy Fret is intended to assist individuals with motor disabilities play the ukulele or just learn.

Hobby & Makers > Music

Tags: music gadget ukulele musicalinstrument

V1 EASY FRET PARTS:

- 1 x Flexible Plate [TPU]
- 1 x Hard Plate [PLA]
- 1 x F Key [PLA]
- 1 x G Key [PLA]
- 1 x am Key [PLA]
- 1 x C Key [PLA]
- 1 x Head Mount [PLA]
- 1 x Neck Mount [PLA]
- 2 x 91292A197_TYPE 18-8 SS SOCKET HEAD CAP SCREW [McMaster-Carr]
- 2 x 94545A225_18-8 SS WING NUTS [McMaster-Carr]

V2 EASY FRET PARTS:

1 x Flexible Plate V2 [TPU]

- 1 x Hard Plate V2 [PLA]
- 1 x F Key V2 [PLA]
- 1 x G Key V2 [PLA]
- 1 x am Key V2 [PLA]
- 1 x C Key V2 [PLA]
- 1 x Head Mount V2 [PLA]
- 1 x Neck Mount V2 [PLA]
  Assembly & Disassembly Video: https://youtu.be/j3VNtO9CMLo

Project originally developed in Spring of 2019 at Tennessee Technological University in Dr. Stephen Canfield's Dynamics of Machinery course. Finalist in the 2019 Eagleworks Business Competition and winner of the Clouse-Elrod Foundation Social award.

The Easy Fret is currently only compatible with the Mitchell MU40NT ukulele. Reach out to rhammons716@gmail.com for questions, concerns, or ideas for new features/fixes.

Print Settings

Printer Brand:

Prusa

Printer:

I3 MK3S

Rafts:

No

Supports:

No

Category: Music

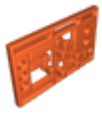# Model files

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c_key_v2a_v6.step

flexible_plate_v2a_v32.stl

f_key_bridge_v2a_v9.stl

c_key.stl

neck_mount.stp

easy_fret_v2a_assembly_v31.step

neck_mount_v2a_v11.stl

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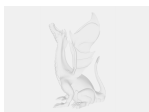

neck_mount.stl

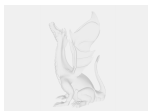**f_key_bridge.stp**
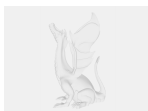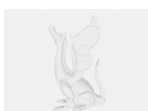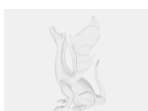
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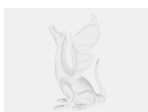
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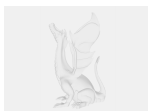
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head_mount_v2a_v18.stl
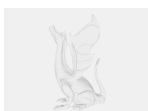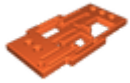
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f_key_bridge_v2a_v9.step

am_key.stl

flexible_plate_v2a_v32.step

flexible_plate.stl

head_mount_v2a_v18.step

hard_plate.stp

hard_plate.stl

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c_key_v2a_v6.stl
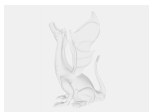
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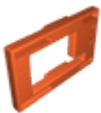
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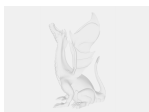
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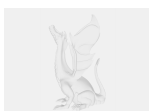
am_key.stp

am_key_v2a_v6.stl

Other files

easy_fret_guide.pdf

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