aftermarket_8kX_hinge

Production and Development associated with...

3D Connected Printing, Soaring Industries LLC, "mirage335"

Aftermarket hinges to attach Pimax Vision 8kX to Modular Audio Strap, at angles different from those supplied by the original manufacturer Pimax. As a '3D printable' aftermarket modification, including derived third-party work under apparent GNU GPL v2 license, these alternative hinges are an independent offering.

Tools

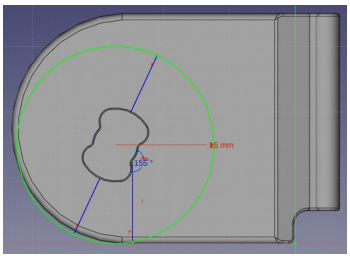
A small Phillips screwdriver, and possibly a small standard (flat) screwdriver, will be required. Typical, widely available, multi-tip 'precision' screwdriver kits, include appropriately sized bits. Please be careful not to allow the Phillips driver/screw to 'cam out', as this may make the screw difficult to remove in the future.

Installation

To remove old hinge, gently unscrew metal hinge pins, and gently twist off locking plastic cap. Attach new hinge using same metal hinge pins and locking plastic cap. Carefully avoid pinching wires.

Angle

How far the strap can bend down before tilting the headset up is determined by the angle of the 'pillar base' on the hinge.



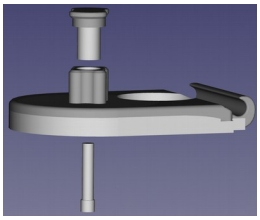
An angle of 161deg is recommended as a starting point.
Lower numbers of degrees will reduce pressure on cheekbones, higher numbers will spread pressure more evenly across the entire face. Plastic hinges shipped by Pimax have been known to use an approximately 155deg angle.

Immovable vs Adjustable vs Flexible

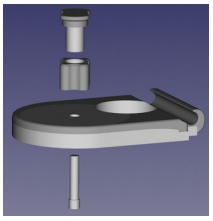
Immovable hinges have pillar bases permanently attached to the hinges at manufacturing. **Hinges are swapped (removed and replaced completely by new hinge) to change angle.**

Adjustable hinges are manufactured as separate parts, allowing the pillar base angle to be changed while loosened. Adjustable hinges may require epoxy and careful measurements to prevent undesired rotation or tilt.

Flexible hinges are usually immovable hinges made of flexible material.



Immovable



Adjustable

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https://github.com/mirage335/aftermarket_8kX_hinge/tree/main/_ref/8kX_SMAS%20Hinge-thirdParty

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https://github.com/mirage335/aftermarket_8kX_hinge

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