

Slidamorphic - Installation and Instruction Manual

Precision Anamorphic Lens Slide

Version 1.2



CONTENTS

1. IMPORTANT SAFETY INSTRUCTIONS.....	3
2. Overview of product/Description of your appliance	4
a) Introduction	4
b) Specification & Features of product:	4
c) Anamorphic lens compatibility	4
3. Control & Operation - Basic Functions.....	5
4. Installation Guide	6
a) Desk mounted installation option	6
b) Ceiling mounted installation option	10
c) Mounting the Lens to the Slidamorphic	11
5. Cleaning & Maintenance of your Slidamorphic unit.....	12
6. Troubleshooting Guide	12
7. Warranty	14

1. IMPORTANT SAFETY INSTRUCTIONS



WARNING - The Slidamorphic product contains moving parts. This can be hazardous and result in injury or damage to equipment if instructions are not properly followed. **DO NOT** allow children to handle or operate this product.

* This product should only be installed by a competent and qualified person who is experienced & qualified to install ceiling mounts (eg. projector mounts) with appropriate fixings & supplied parts. A qualified person should consult an engineer or architect to verify any ceiling structural load capabilities.

* If mounting to a ceiling, the installer must ensure that it is fastened to a suitable structural ceiling element that can support the Slidamorphic plus the weight of the attached lens. (See specifications section for load limitations).

2. Overview of product/Description of your appliance

a) Introduction

Congratulations on your purchase of this high quality Anamorphic Lens Positioning system. We believe you will enjoy many years of trouble free use and will be very pleased with the precision motion and ease of use with the Slidamorphic.

Contents included with your purchase:

- 1 x Slidamorphic slider unit
- 1 x 12Volt, 1Amp power pack
- 1 x 3.5mm to 3.5mm cable for 12V Trigger connection
- 1 x Ceiling mount Kit (if ordered)
- 1 x Installation & Instruction manual (this booklet!)

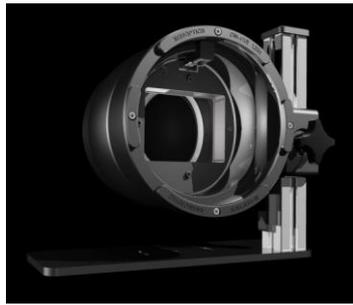


b) Specification & Features of product:

- Unit Weight: 5Kg
- Dimensions: 52cm x 18cm x 7.5cm. (20.4 x 7 x 2.95 inches)
- External Materials: Aluminium, finished in high quality powder coated paint in satin finish.
- Power Supply: Mains adaptor to 12 Volt DC
- Power Draw: 1 Watt in standby and 5-6 Watts (415 mA) when in use.
- Mechanical Movement: The lens carriage is mounted on a high quality steel linear track with a precision ball-bearing system, capable of carrying a lens of up to 10kg, with precise and smooth motion.
- Connectivity: 12v Trigger interface that allows you to connect directly to your projector's 12v Trigger output and programme your projector to automatically activate the Slidamorphic.

c) Anamorphic lens compatibility

The Slidamorphic unit comes standard with a mounting plate for use with the XEIT Optics CM-4KR (Crystalmorphic) Lens (as shown below). Most lenses use similar bolt on plate dimensions. If you will be using a Lens other than the CM-4KR your Slidamorphic will be supplied with the appropriate base plate suitable for your Lens. Please ensure when you order your Slidamorphic that you request the **appropriate Base Plate** for your particular model Lens.



(eg. ZEISS CM-4KR Lens)

3. Control & Operation - Basic Functions

In Normal operation, the Slidamorphic is designed to be activated with the 12v Trigger output from your projector. Connect the supplied 3.5mm cable from your projector's 12v Trigger output to the Slidamorphic 12v Trigger Input at the rear of the unit.

The Slidamorphic has the following front mounted buttons and switches that perform the following functions:

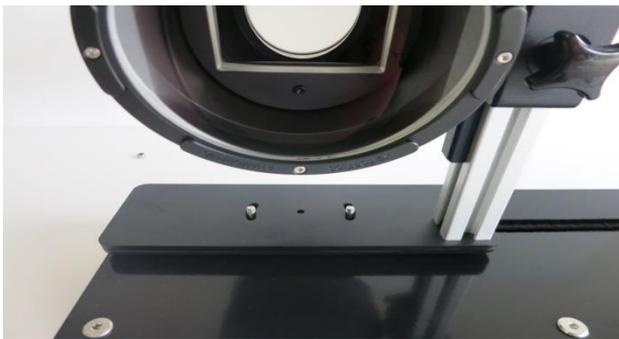
- POWER SW- OFF/ON
- HOME SW- Sets the Home Position to Left/Right
(See further explanation later in chapter)
- TOGGLE - Cycles the Lens from HOME (lens out of light path) to "Lens ON" (lens in light path).
- SAVE - Stores in Memory the desired "Lens ON" position
- Adjust L/R - Allows single step, 3 step & continuous movement of the slider to be set to the desired position depending on length of time the button is held down for (see explanation in Installation Guide section).



4. Installation Guide

a) Desk mounted installation option

Step 1. Unpack the Slidamorphic unit from the box and place it onto its four rubber feet so that the back of the unit (the side that has the power plug) is facing your projector (as shown in figure 1). Remove the two nylock nuts that are attached to the lens base plate, to enable the Anamorphic lens attachment.



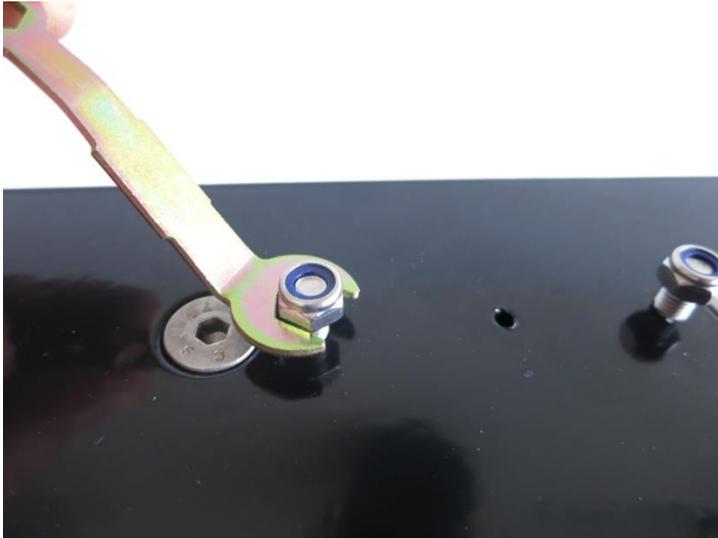
Step 2: Unpack your Anamorphic Lens and orientate it so that the "output" side is facing forwards towards the Slidamorphic unit's (buttons) front panel. Carefully align the two lens plate mounting holes with the protruding bolts from the base plate and place the lens plate flat onto the base plate.

Step 3: Using the 2 nuts removed in Step 1, you can now screw the nylock nuts on to the bolts to secure the lens in place. Ensure that the lens is correctly aligned so that it sits perpendicular to the direction of slide travel (as shown in figure 2).



Fig. 2

Step 4: Use a 10 mm spanner to carefully tighten the nylock nuts (as shown in figure 3); be very careful not to over tighten but ensure that they are secure. Remember these two nuts will be holding up a very expensive lens.



(Figure 3)

Step 5. Now you need to decide which side (Left or Right) you wish to use as the "HOME" position of your Slidamorphic. Each installation may differ slightly, depending on such things as projectors gun position and heat output vents etc. Using the HOME switch, set the desired position to L or R and this will be the "HOME" position. When the unit is turned ON, the Slidamorphic will move and position the base plate/attached lens to the set HOME position. This position will be the "OFF" (lens out of the light path) position.

***** If your lens plate holes do not correctly align with the Slidamorphic base plate then you will need to contact your supplier to order the correct base plate!***

Step 6. Turn on your Slidamorphic unit using Power Switch. Now, using the two Buttons L & R, press the button which corresponds to the direction you wish to move the sled.

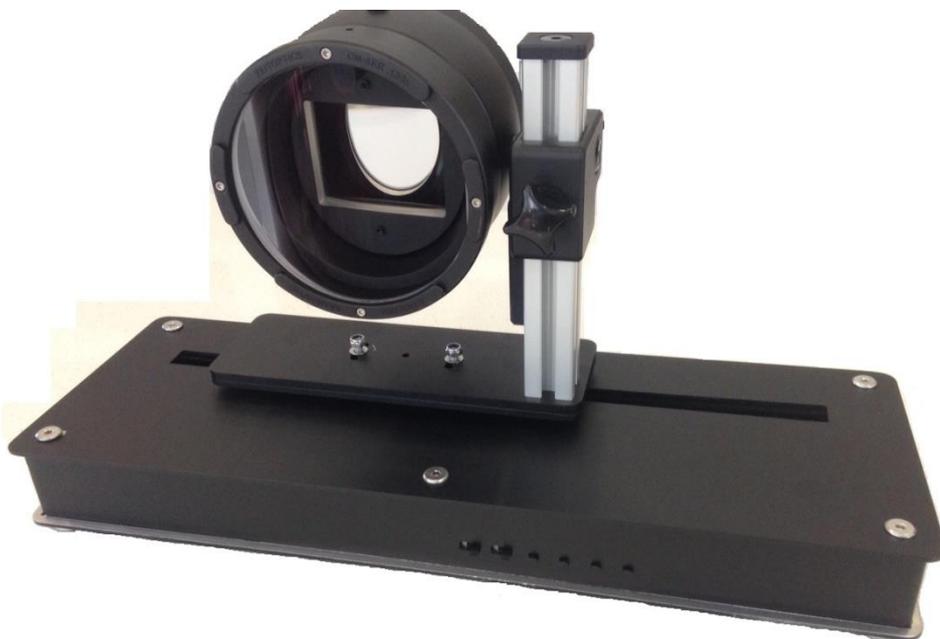
** Note that a single very short press of either button will only move the sled a very small increment; an approximately half second (momentary) press of either button will give you 3 sequential small movements; and pressing either button for longer than 1 second will accelerate to fast speed and continue movement until you release the button.*

To cancel a continuous movement and immediately stop the lens in a particular position, simply let go of the button and immediately press it again; OR press the other button. This tells the unit to immediately cancel movement as opposed to a gradual deceleration (which is programmed to minimise abrupt stop-start and prevent any damage to sensitive lens equipment).

Step 7. Once you are satisfied with the exact position of the Sled in the "ON" mode (lens in path of light beam) you can press Button B once and this will SAVE your set position into Memory.

**Note 1: If you are not happy with the alignment of your lens in the "ON" position simply repeat Step 6 and we recommend using single button presses to achieve very fine tuning of the position required, and once again press Button B to re-SAVE the new position into Memory.*

**Note 2: If the HOME switch position is changed whilst the unit is powered OFF, then once the Slidamorphic unit is powered ON again, the Slider will automatically position (HOME) itself to whichever side (L or R) the HOME switch has been set to.*



b) Ceiling mounted installation option

Attaching the Ceiling Brackets (if supplied) to the Slidamorphic.

1. Unpack the supplied ceiling brackets and place the brackets so that they align with the corresponding left and right markings on the base of the Slidamorphic unit.
2. Hand screw the supplied M8 hex head stainless steel bolts through the bracket and into the four bolt holes at the base of the unit.
3. Using the supplied Allen key, tighten the bolts firmly, ensuring you do not over tighten.



4. It is now time to determine the position where you will mount the Slidamorphic brackets onto the ceiling. As previously mentioned, you must ensure that you have provided a suitable, structural member that is capable of supporting not only the Slidamorphic, but the attached anamorphic lens. Ensure that you do not attach directly to drywall/plasterboard only. It is recommended that two qualified persons carry out this step; one person will need to hold the unit (with brackets attached) and the second person will need to determine the fixing position relative to the specific projector and anamorphic lens combination that is being used for the installation. Ensure that you allow an appropriate gap between the back of the lens and the projector. Once this is determined, using a texta or pencil, mark the position of the pre-drilled holes in the top bracket plate on the ceiling.
5. Using an appropriate battery powered drill and fasteners, attach the Slidamorphic brackets at the marked positions. **All fasteners used to mount a Slidamorphic must be of suitable length and size to support a minimum of 100kg pullout strength per fastener.**



c) Mounting the Lens to the Slidamorphic

Step 1: Remove the 2 nylock nuts that are attached the lens base plate (as shown in figure 1).

Step 2: Unpack your Anamorphic Lens and orientate it so that the "output" side is facing forwards towards the buttons front panel. In this installation scenario, remember you are attaching the Lens upside down to the already installed Slidamorphic. It is highly advisable to have a second person hold the Lens in place whilst the other person carefully aligns the holes with the protruding bolts from the base plate and place the lens flat onto the base plate.

Step 3: Then, using the 2 nuts removed in Step 1, you can now screw them on to the bolts to secure the lens in place. Ensure that the lens is correctly aligned so that it sits perpendicular to the direction of travel (as shown in figure 2).

Step 4: Use a 10 mm spanner to carefully tighten the nylock nuts (as shown in figure 3); be very careful not to over tighten but ensure that they are secure. Remember these two nuts will be holding up a very expensive lens.

**** If your lens plate holes do not correctly align with the Slidamorphic base plate then you will need to contact your supplier to order the correct base plate!**

Step 5: Ensure that you have left enough clearance from the projector so that the lens completely clears the projectors gun and any other protruding parts when it moves from ON to OFF positions.

Step 6: Follow your lens manufacturer's instructions on how



Figure 1

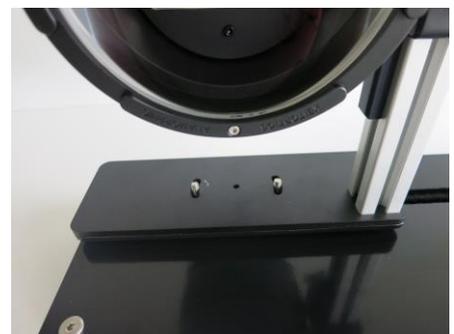


Figure 2

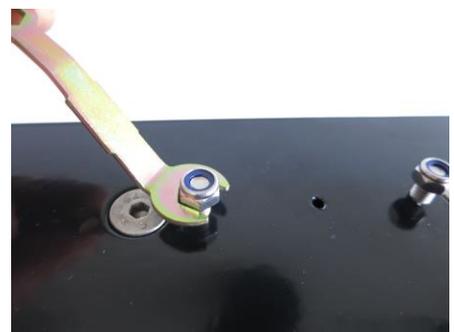


Figure 3



← Example of Finished Ceiling Install



5. Cleaning & Maintenance of your Slidamorphic unit

1. Keeping your Slidamorphic clean will ensure it works trouble free for many years. Using a soft damp cloth wipe off any dust from the exterior of the unit on a regular basis.
2. The Slidamorphic is fitted with a Dust Brush to reduce foreign matter from getting inside the unit; however it is best practise to keep the environment that the Slidamorphic has been installed in as dust free as possible to minimise dust etc getting inside the unit.
3. The Slidamorphic has been designed and engineered to the highest standard and is generally Maintenance free and if installed correctly should continue to operate for many years. Other than adjustments to the position of the lens slider via the front panel buttons, you should not attempt to open the unit for maintenance as this will VOID any Warranty.

6. Troubleshooting Guide

** The Slidamorphic has been engineered and hand built so that it is extremely reliable. Its simple design and minimal moving and electrical parts should ensure minimal problems. Each unit is thoroughly tested and checked before shipping to ensure reliable and trouble free performance. Should you have any problems please refer to the guide below and if this does not resolve the issue then contact your supplier for further assistance.

1. The Slidamorphic does not Power ON?

Check to make sure the 12V power cord is properly inserted into Slidamorphic. If this does not solve the problem you may need a new power supply pack. Please contact your supplier to order another power pack.

2. My projector's 12V Trigger is not talking to my Slidamorphic?

Turn off the Slidamorphic and make sure that the 3.5mm cable is properly connected to the Slidamorphic unit. Now select the desired HOME position and switch the Slidamorphic back on. This should reset the logic and the Slidamorphic will position itself to the set HOME position which should be setup as the "OFF" position. Once you command your projector via its remote control to go into "Anamorphic" viewing mode or V Stretch or similar mode as long as you have correctly configured your projector to output a 12V Trigger signal via the appropriate port it should automatically command the Slidamorphic to move into the "ON" position.

3. The Slidamorphic will not respond to any button presses?

Power off the unit and wait a few seconds then power back on. The Slidamorphic should automatically move the sled to the set "HOME" position. If this does not happen or nothing happens then refer to question 1 for power supply issues.

4. Can I programme more than one position for the lens ON mode?

No. The Slidamorphic can only be programmed for one "ON" position at a time. Refer to installation instructions on how to set and SAVE the desired sled position.

5. The Slider unit will not move or is sticking and or grinding noises are heard?

The linear slide is constructed from heavy duty high grade materials and uses high quality ball bearings so it is very resistant to foreign matter such as dust etc; however in the event that the movement of the slider unit becomes difficult or completely stuck or you can hear grinding noises you need to switch off the unit and have it repaired by an authorised agent.

7. Warranty

DO NOT DISASSEMBLE THIS PRODUCT. THIS WILL VOID ALL WARRANTY AND COULD CAUSE INJURY

This product is warranted by RDF Pty Ltd in accordance with the terms and **Conditions herein** (see below). Customers must retain their original receipt and the warranty card in event that your product requires repair or replacement during the warranty period. In the event of a claim, customers are required to send the product in suitable packaging, along with a copy of the original receipt and warranty card to:

Oz Theatre Screens

18 Faciles Rd, Alberton Qld 4207.

OZ THEATRE SCREENS RECOMMENDS FREIGHT INSURANCE AS IT IS IN NO WAY LIABLE FOR ANY LOSS OR DAMAGE IN TRANSIT. THE WARRANTY COVERS DEFECTS IN WORKMANSHIP AND MATERIALS, PROVIDED THIS PRODUCT HAS BEEN PROFESSIONALLY INSTALLED IN A NORMAL ENVIRONMENT (BEING INDOORS, AWAY FROM WEATHER AND DIRECT SUNLIGHT) USED FOR THE PURPOSE IT WAS DESIGNED AND MAINTAINED IN ACCORDANCE TO THE WRITTEN INSTRUCTIONS. OZ THEATRE SCREENS WARRANTS THE PRODUCT AGAINST LOSS OF USEFULNESS. THIS WARRANTY APPLIES ONLY WITHIN AUSTRALIA OR LOCATIONS EXPRESSLY STATED IN THE WARRANTY CARD. OZ THEATRE SCREENS EXPRESSLY LIMITS IT'S WARRANTY TO THE OBLIGATIONS CONTAINED IN THE TRADE PRACTICES ACT FROM TIME TO TIME. OZ THEATRE SCREENS MAKES THE FOLLOWING LIMITED WARRANTY TO THE ORIGINAL CONSUMER PURCHASER OF THE CINELSED UNIT:

THE SLIDAMORPHIC UNIT WILL BE FREE OF DEFECTS IN MATERIAL AND WORKMANSHIP FROM THE DATE OF SALE TO THE ORIGINAL CONSUMER PURCHASER, FOR THE PERIODS LISTED BELOW:

Mechanical Parts: 1 Year

Electronic Parts: 1 Year

Labour: 2 Years

CONDITIONS:

OZ THEATRE SCREENS WILL REPAIR OR REPLACE (AT IT'S SOLE DISCRETION), WITH THE LEAST POSSIBLE DELAY, ANY DEFECTIVE EQUIPMENT. ANY EQUIPMENT OR COMPONENTS REPLACED PURSUANT TO THE TERMS OF THIS WARRANTY SHALL BE RETAINED BY OZ THEATRE SCREENS AND BECOMES THE SOLE PROPERTY OF OZ THEATRE SCREENS.

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THIS WARRANTY DOES NOT COVER ANY EQUIPMENT WHERE USAGE, ADAPTION OR INSTALLATION (INCLUDING WIRING OR ELECTRICAL) ARE NOT CARRIED OUT IN ACCORDANCE WITH OUR WRITTEN INSTALLATION AND OPERATING INSTRUCTIONS. OZ THEATRE SCREENS RECOMMENDS THAT THE USER CONTACT OZ THEATRE SCREENS PRIOR TO ANY ACTION NOT IN ACCORDANCE WITH THE INSTALLATION AND OPERATION INSTRUCTIONS FOR ADVICE SHOULD THE USER SO REQUIRE. THE WARRANTY DOES NOT COVER SMALL BLEMISHES TO PAINTWORK THAT CAN ONLY BE SEEN FROM OBSCURE ANGLES AT CLOSE DISTANCE AND DO NOT AFFECT THE PERFORMANCE AND INTENDED OPERATION.

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