

LSP: Laser Scanning Projection

SAFETY INSTRUCTIONS

- Do not drop or apply impact to the display module.
- Do not expose the display module to water or sources of heat.
- Do not touch the display module with any metal objects.
- Please operate the display module under the recommended ambient temperature (5°C - 35°C).

LASER SAFETY LABELS

- Nebra AnyBeam is a class 1 LASER PRODUCT (IEC/EN 60825-1:2014)
- Please do not look directly at the laser beam as this can damage your eyes.
- THIS MANUAL CONTAINS IMPORTANT INFORMATION
DO NOT DISREGARD.



Laser Colour	GREEN	RED	BLUE
MAX CW Output	80 mW	120 mW	80 mW
Wave-Length	515 nm	530 nm	632 nm

LED Indicator 1
(Power Status)Function Switch
(Up/Down/Enter)LED Indicator 2
(Video Link Status)Micro USB Port
(Power Input, 5V 1.5A)HD Video/Audio Input Port
(720p Input Source)

LED INDICATOR

STATUS AND SOLUTION

Indicator 1 on	Normal Operation, Power is connected
Indicator 2 on	Normal Operation, Video link and Power are connected
Indicator 1 Flashing	Abnormal Operation, Please refer to P11 Troubleshooting
Indicator 2 Flashing every 2 sec	Normal Operation, Enter ECO mode

CAUTION

If some problems are still present after going through page 11 to 14 instructions then please contact Nebra customer support and provide the error information via email.

Please provide the info below when contacting us:

- I A copy of the original purchase invoice to verify your warranty.
- II A product serial number.
- III A description of the problem.
- IV Customer's name, address and telephone number

The products warranty may be disqualified by removing any labels from the module (including removing the Nebra AnyBeam Heatsink screws) or any physical damage that is caused by the user.

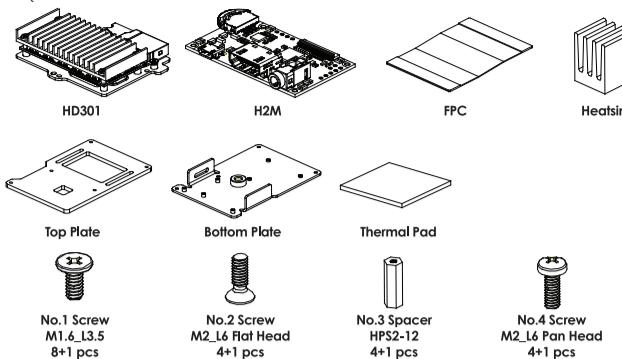
If users need to execute the warranty rights for product exchange, please do it during the 10 day period when the product has arrived. In addition, please re-confirm the display module conditions before power on.

Nebra Ltd (Company No. 06732600)
Unit 4 Bells Yew Green Business Court, Bells Yew Green, East Sussex, TN3 9BJ, United Kingdom
Email: sales@nebra.com

PACKAGE CONTENTS

Please make sure you have received all items with the box.

If anything is missing please contact customer support at [NEBRA](#).



TROUBLESHOOTING 1

No image is displayed on the screen

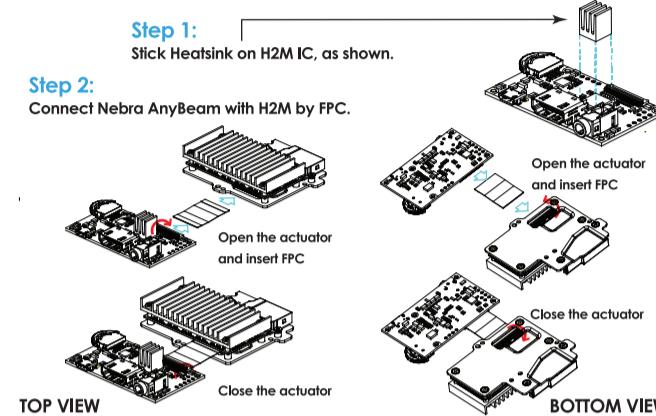
SITUATION	SOLUTION
Indicator 1 OFF	The USB cable is not connected properly. Ensure the USB cables and power supply are securely connected. The power spec should be DC 5V.
Indicator 1 FLASHING	Due to an unknown issue, the device has enable protected mode. Re-plug the power cable to reset the device. If the problem persists, please change to another power adapter (DC 5V, 1.5A output) and try again.
Indicator 2 FLASHING every 3 seconds, Indicator 1 OFF	The device has enabled ECO mode. If the device hasn't received a signal from the video source it will automatically enable ECO mode. Please push the function key to return the device to its normal status.

TROUBLESHOOTING 2

The screen shows 'WAITING FOR CONNECTION'

SITUATION	SOLUTION
No image on the screen with Indicator1 is on and Indicator2 is off	Ensure video/audio cable is securely connected on both ends (input and output).
No image on the screen with Indicator1 is on and Indicator2 is off	Please make sure the projector is on the correct video input and try re-seating (unplug, plug back in) the video/audio cable on either end.

ASSEMBLY GUIDE



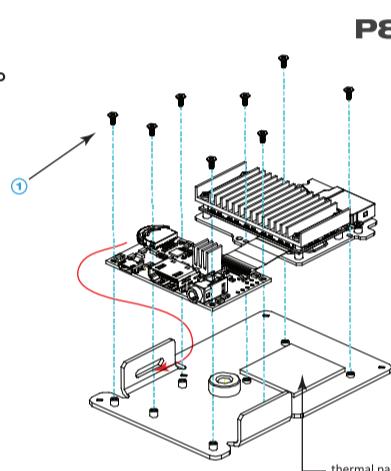
TROUBLESHOOTING 3

Display image abnormal

SITUATION	SOLUTION
The projected colour is abnormal.	1. Ensure the colour of output device 2. Reset the projector by power on/off (Unplug USB cable, plug back in)
The projected image is jumping or shaking.	1. Reset the projector by powering on/off (Unplug USB cable, plug back in). 2. Try using another power adapter (With DC 5V, 1.5A output) and test again. 3. Please keep away from all magnetic devices. 4. The projector is sitting on an unstable or vibrating surface (Such as a speaker).
The projected image is blurry.	Please press function key for more than 3 seconds to enter OSD operation mode, select [Sharpness Adjustment] to make adjustment.
Unexpected colour on screed edge / character edge	Please press function key for more than 3 seconds to enter OSD operation mode, select [Green Alignment] or [Blue Alignment] to make adjustment.
Shows blurred and hazy images.	Please make sure the cover glass of projector is clean and check again.

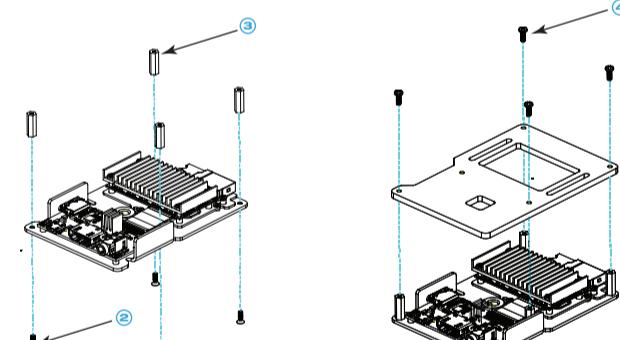
Step 3:

Stick thermal pad on bottom plate.
Follow the direction of the red arrow to assemble H2M & bottom plate.
Use No.1 screw to fix them.



Step 4:

Assemble No.2 screws & No.3 spacers to bottom plate.



Step 5:

Assemble top plate to 4 spacers by No.4 screws.

TROUBLESHOOTING 4

Display image abnormal

SITUATION	SOLUTION
Projected image is jittering or shaking.	Ensure the input resolution is 720p
Other display image is abnormal	Re-plug the power cable to reset the device, check if the problem still exists.
No audio output	

SITUATION

SITUATION	SOLUTION
Image is projected, but no audio output	Please check the source device audio settings
Image is projected, but no audio output. Projector is in mute mode.	Please press the function keys up or down until the volume bar appears on the screen, then confirm whether it is in mute mode.
Another abnormal audio output.	Reset the projector by power on/off (Unplug USB cable, plug back in)

QUICK START GUIDE

Step 1:

Connect cable to Nebra AnyBeam & 720p HD Video/Audio signal source only or Raspberry Pi / Pi Zero



Step 2:

5V, 1.5A Power source to Nebra AnyBeam via Micro-USB cable.

Step 3:

After all of the wires are connected, the display module will project an image within three seconds.