



# DREAMOC DIAMOND 4K - ASSEMBLY GUIDE

## VERSION 1.2 - ORIGINAL ASSEMBLY GUIDE



It is important to read this assembly guide before using the Dreamoc Diamond, and to follow advices and instructions on safety, operation and general use to get the best possible experience with your Dreamoc. The Dreamoc Diamond is designed to showcase products and other objects in combination with free floating 3D video animations. Realfiction and Dreamoc are registered trademarks owned by Realfiction ApS.

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## When receiving the Dreamoc Diamond

The Dreamoc Diamond comes in a sturdy transport case (plywood) that holds all the different parts.

Please note that we cannot be held responsible for any damage or failure that has occurred due to the use of third party constructed flight case or packaging. This limitation shall also apply if the original packaging has been altered in any way.

## Package content

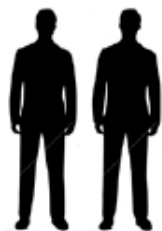


## Additional items

- |   |   |
|---|---|
| 1. 1 x bottom frame                     | 11. 2 x plywood cross sections                  |
| 2. 1 x Installation & Service Toolbox   | 12. 4 x high-level center stage platform pieces |
| 3. 1 x Assembly Parts Toolbox           | 13. 4 x lower side plates                       |
| 4. 4 x light bars                       | 14. 4 x left-side plates                        |
| 5. 1 x magnetic cable cover             | 15. 4 x right-side plates                       |
| 6. 4 x corner profiles                  | 16. 4 x glass optics                            |
| 7. 1 x spirit level                     | 17. 4 x plastic corners for the optics          |
| 8. 2 x picture engine modules           | 18. 4 x rubber protectors                       |
| 9. 1 x light bar holder                 |   |
| 10. 1 x low-level center stage platform |   |

## Setup time and persons needed

Setting up the display can be done by 2 persons in around 1 hour.





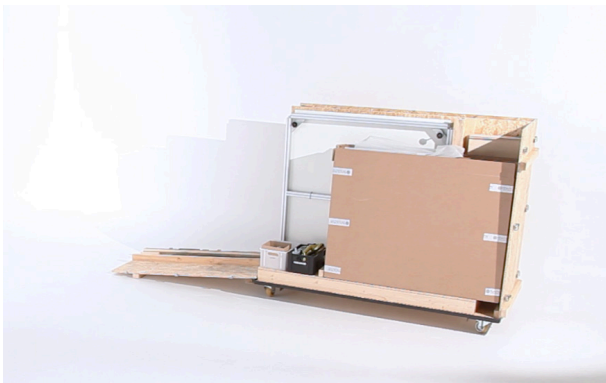
# ASSEMBLING THE DREAMOC DIAMOND

## Unpacking the display

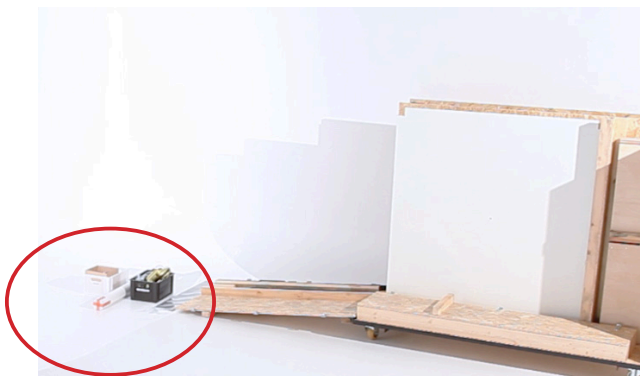
1. Open the hinges on the transport case, and remove the lid. Then open each side and finish by removing the front of the case (the side with logo on)



2. Take out the 4 brown boxes (numbered 1, 2, 3 and 4) and set them aside for now.



3. Locate the installation & service toolbox and place it aside. Also Locate the assembly parts toolbox and place it aside



5. If you have ordered magnet skins for internal branding of the display, you will find a white poster tube inside the transport case holding these.

## Assembling the chassis

1. Take out the bottom frame and place it on the floor.



2. Use the spirit level and umbraco key to adjust the feet on the frame in order to make the display correctly levelled.



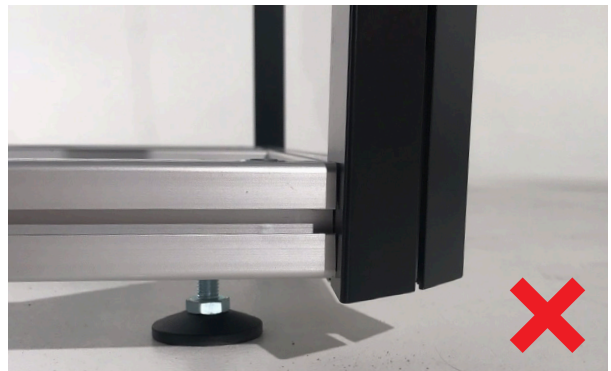
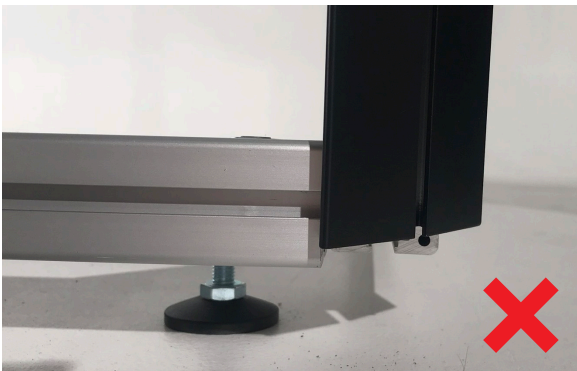
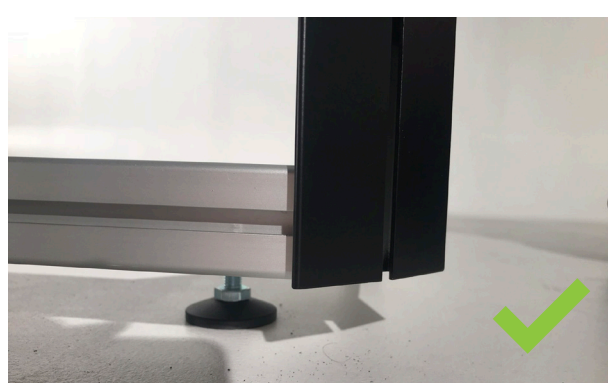
3. Cut the 2 black strips to unbundle the grounding cable.



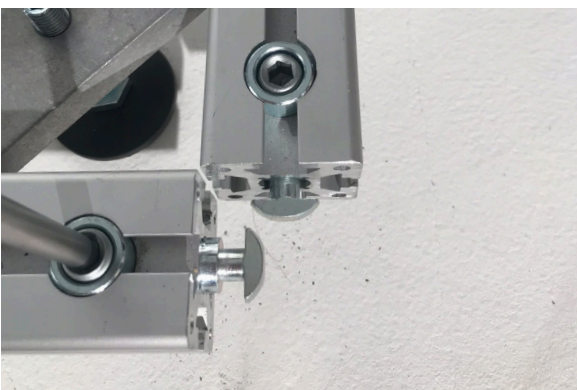
4. In the transport case, open the plywood box and locate the 4 light bars inside. Set these aside.



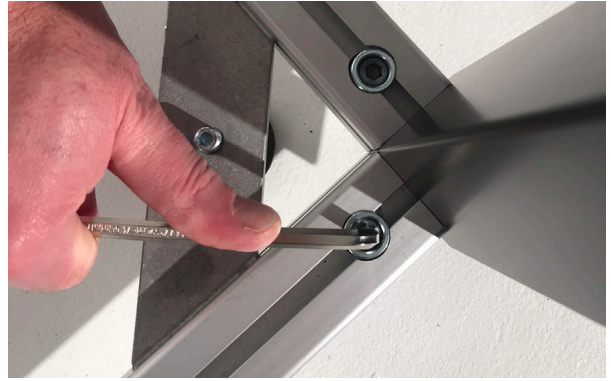
5. Locate the 4 corner profiles in the plywood box. Mount each of them by sliding them into place. Then fasten the 2 screws on each profile with the umbraco key. Make sure that the corner profiles and bottom frame are both mounted so they rest at the same level.



6. Beware not to loosen the lock tap too much, as this could result in ejecting the spring inside the profile.



7. Finish by tightening the screws completely by using the angled umbraco key.



8. Rotate the transport case to access the items on the other side.



9. Locate the 2 picture engine modules.

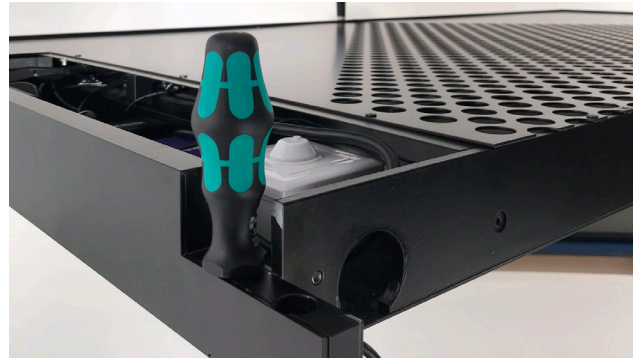


10. Locate the corner profile that holds the power cable and match it with the corner of the picture engine that holds the power cable (screen 1).





11. Gently lift the first picture engine module (screen 1) and place it on top of the corner profiles. Make sure that the power cable in the corner profile matches the power cable on the picture engine module, so they can be connected later. Temporarily secure it in place by using an umbraco key or screwdriver in the holes on top.



12. In the assembly parts toolbox, locate the 2 long bolts and 2 short bolts



13. For the side of the display now holding both power cables, fasten the picture engine module with 1 short bolt using the umbraco key. Do the same for the opposite (diagonal) side across also using 1 short bolt.



14. Now connect the 2 power cables.



15. Fasten 2 long bolts in the third corner.



16. Attach the light bar holder, by first pulling out the black power cable from underneath the picture engine module. Then attach it with 1 screw and connect the black power cable.





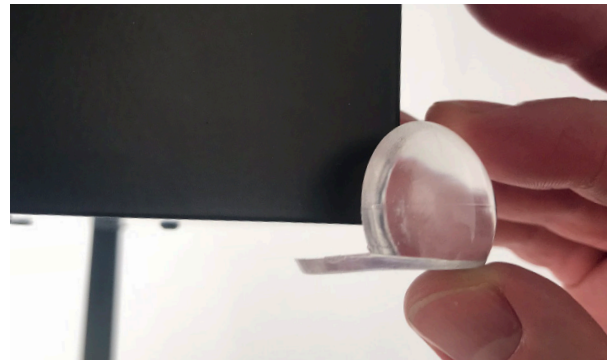
17. Take out the second picture engine module (screen 2) from the transport case, and lift it in place. Temporarily secure it with umbraco keys or screwdrivers in the same way as with the previous picture engine module (screen 1).



18. Fasten the second picture engine module using the remaining 4 long bolts.

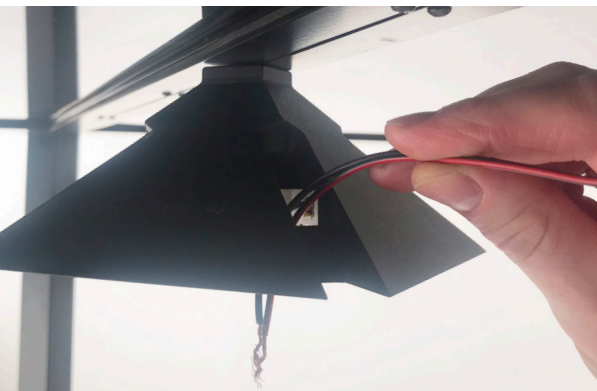


**Important:** When you have mounted the 2 picture engine modules make sure to attach the rubber protectors on each corner to prevent an injury when further assembling the display.



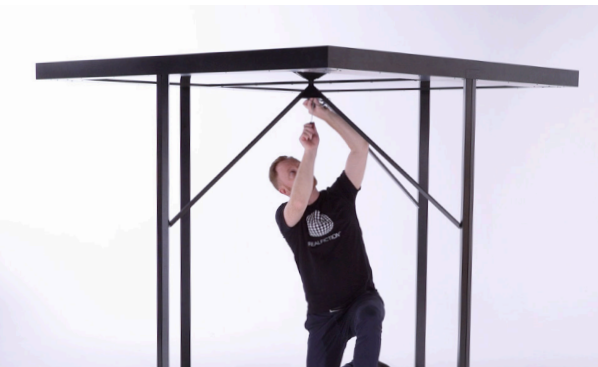
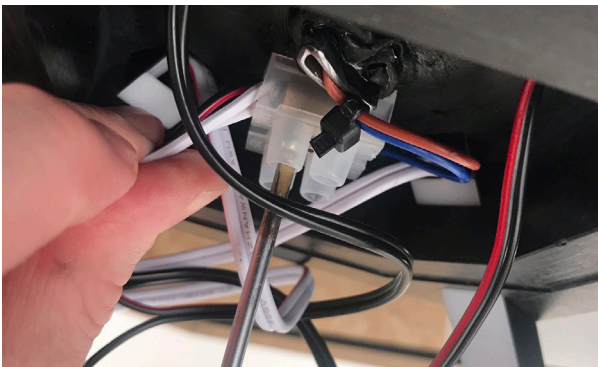
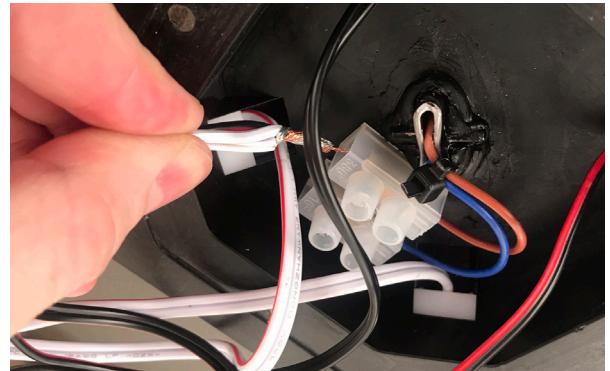
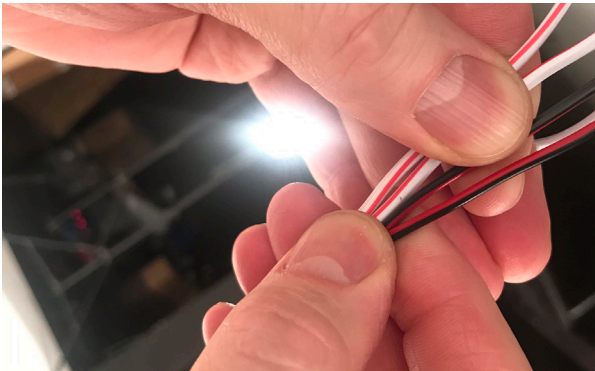
## Attach the light bars

19. Locate the 4 light bars in the plywood box. Mount each of them by first guiding its power cable through the light bar holder. **IMPORTANT!** Beware not to hit the picture engine modules, as this could scratch or damage the screens.





20. When all the light bars have been mounted, connect all the red cables and twist the exposed ends together. Then attach them to the terminal block side with the brown wire. Afterward, connect all the white cables in the same way by twisting the exposed ends together and attach them to the remaining side of the terminal block.



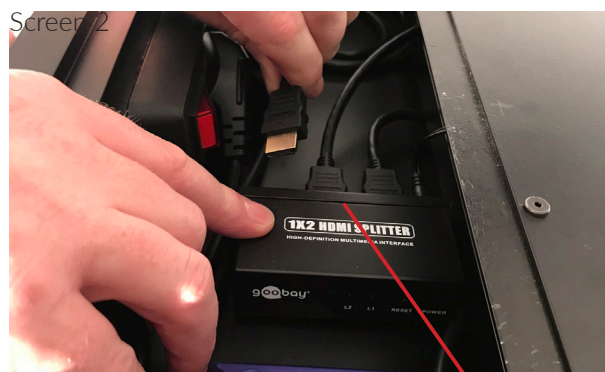


21. Complete by attaching the magnetic cable cover.



## Connect the picture engine modules

22. Connect the power cable from screen 2 to the power outlet located at screen 1. Then connect the HDMI cable from screen 2 to the HDMI splitter located at screen 1.



HDMI-splitter

## Grounding the chassis

23. Install the grounding cable to your appropriate electrical installation.

24. Unbundle the power cable and connect to the power outlet. Both picture engine modules and all 4 light bars will now automatically turn on.

## Assembling the center stage platform and side plates

25. Locate the low-level center stage platform in the transport case and lift it in place. If you want to position your physical object at the high level (standard configuration), make sure that the middle hole in the platform is pointing upwards.



26. Locate the 2 plywood cross sections and assemble the first one so that the metal pin fits in the middle hole in the low-level center stage platform. Then lift the second cross section in place.



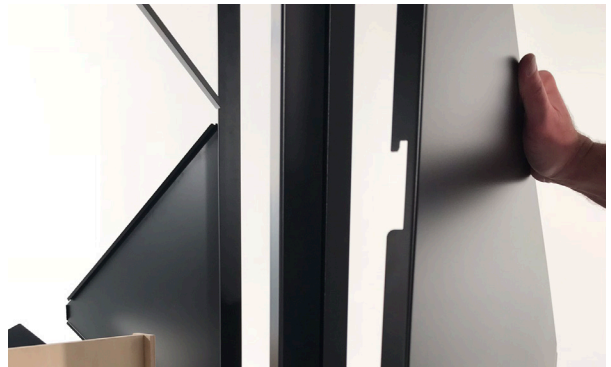
27. Locate brown box no. 1, containing the 4 lower side plates.



28. Attach each of the lower side plates by hinging them in place.



29. Locate brown box no. 2, containing the left-side plates. Attach these by hinging them in place.



30. Locate brown box no. 3, containing the right-side plates. Attach these by hinging them in place.



31. Lastly, connect all the plates and slide down the connector joint from the inside of the display. Then fasten the 2 screws to lock all the plates together.







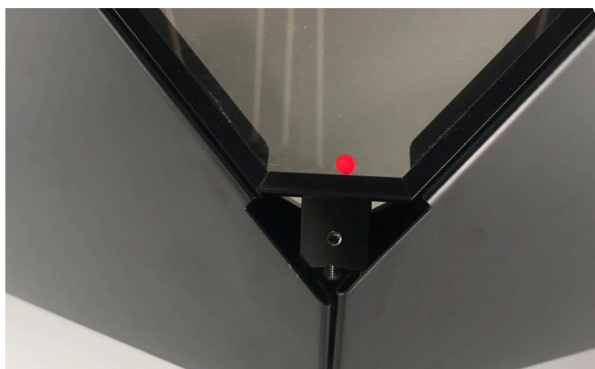
32. Locate brown box no. 4, holding the 4 high-level center stage platform pieces.



## Mounting the optics

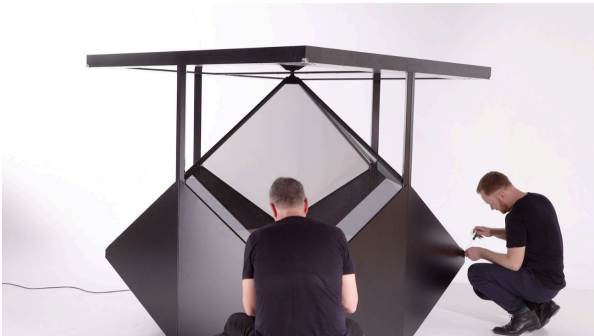
34. Locate the optics in the transport case. Use the supplied suction cups to safely lift the optics one by one out of the transport case, and gently mount them to the display. We recommend being two persons for this task.

Important: **Make sure that the red spot on each of the optics is pointing downwards.**





35. Complete the assembling by locking the optics in place using the 4 plastic corners and fastening the screw on each of them.



Assembly is now finished. Please see the user manual for how to operate the display.



# *Magic Matters*



For further information and pricing please contact Realfiction  
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