



# DEEPFRAME - ASSEMBLY GUIDE

## VERSION 1.1 - ORIGINAL ASSEMBLY GUIDE



It is important to read this manual before using the DeepFrame, and to follow advices and instructions on safety, operation and general use to get the best possible experience with your DeepFrame. DeepFrame is a revolutionary new type of mixed reality display that enables digital content to appear as a hologram on top of reality seen through the lens. The window-like display consists of a high-precision optical lens that can be mounted on the floor stand (optional accessory) or hang suspended in wires.

The DeepFrame is patent-pending. Realfiction and DeepFrame are registered trademarks owned by Realfiction ApS.

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## WHEN RECEIVING THE DEEPFRAME

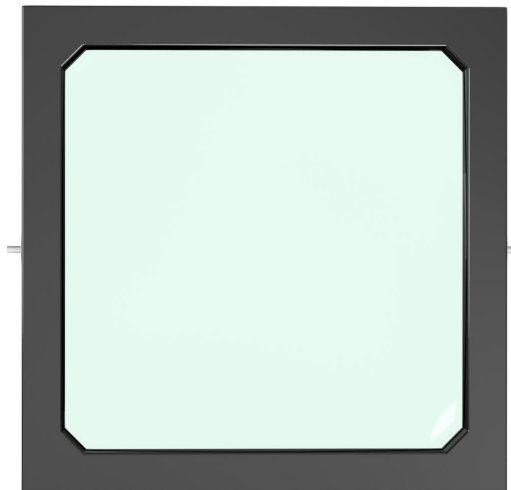
Please note that DeepFrame needs to be combined with an HD or 4K screen (not included) for projecting the digital content through the optical lens. We recommend using a 65" 4K curved OLED screen together with the OLED mount kit (optional accessory).

### Why should I use a curved OLED screen?

The curved OLED, mounted on our optional OLED mount kit, will curve the image to follow the curvature of the DeepFrame lens, thus straightening out the reflected image and minimizing any perceived distortions in the image contents. Further the OLED technology has an extremely good contrast and color performance, which helps and optimizes the 3D effect.

### What happens if I use a flat LCD screen instead?

When using any flat display, you should know that the reflected virtual image will be curved and be distorted. On the center part of the image, the distortion is not really noticeable, but the further to the side your contents are on the screen, the more they will seem distorted and skewed in perspective. If you use an LCD screen, please make sure to try and minimize the so called black level in the screen. This is the amount of light shining through the black parts of the image. A high black level will result in a grey haze being reflected by the DeepFrame, which does not look good and lowers the overall 3D effect and wow-factors.

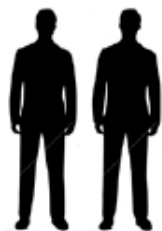


1. 1 x Glass optic

2. 1 x Frame

## Setup time and persons needed

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





# DEEPFRAME BASIC KIT: INTRODUCTION TO THE DEEPFRAME OPTICAL LENS

**The DeepFrame Basic Kit comes in 1 flight case.**

1. As a general rule, this display is designed to be built into custom installations, as each component can be ordered separately. You can of course also choose to purchase a complete DeepFrame setup.
2. When looking at the DeepFrame Optical Lens it is worth noticing that the inside is the most delicate part, which means it should be taken very good care of.



3. The frame holding the Optical Lens is both wide and robust since the display is meant to be integrated into more permanent installations.



4. To allow this, the frame presents several mounting solutions – one being the center point axis, which you can use to rotate the entire optical lens, and attaching it to the floor stand. If needed, you can also choose to detach the center point axis and instead attach your own type of mount solution in that spot.



5. When further examining the frame, you'll see the embedded fly point on all 4 corners, which allow the frame to hang suspended in wires.

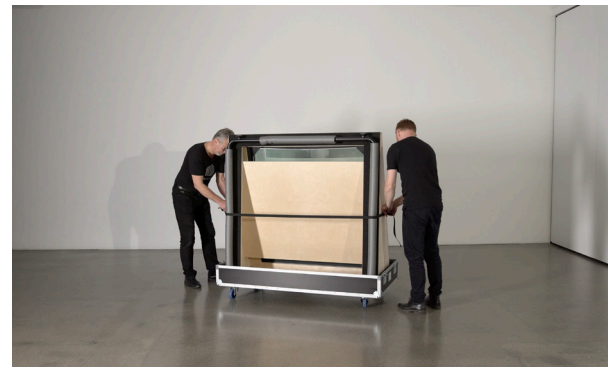


6. You'll also see additional holes for attaching other types of mounting solutions if needed, as well as main grip for your hands.



## ASSEMBLING THE FLOOR STAND FOR DEEPFRAME BASIC KIT

1. Open the flight case and begin by taking out each of the floor stand legs one by one.





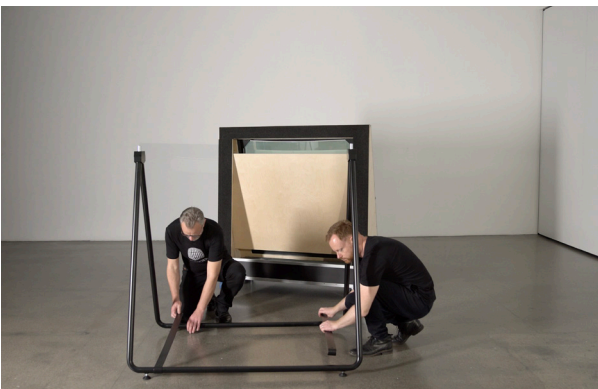
2. Attach the connector blocks on each side and fasten with the small screws using an umbraco key. Make sure the screws are tightly fastened.



3. Adjust the feet to make sure the stand is correctly balanced.



4. Attach the security clamps on the bottom of the stand to lock the positioning of the legs in place.



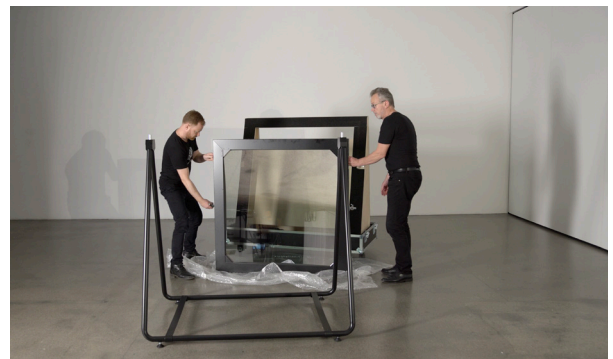
## Attaching the DeepFrame Optic to the floor stand

Important: We recommend being 3 persons for this.

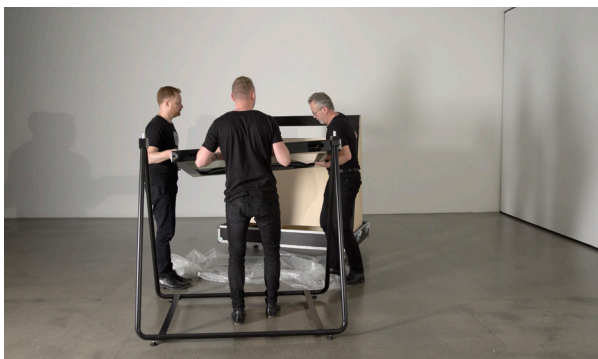
5. When the floor stand has been assembled, flip the flight case around to reveal the DeepFrame Optical Lens.



6. Gently lift out the Optical Lens Optic and rest it on a sheet of protective foam on the floor.



7. Lift it up, and then over the floor stand, before gently lower it down to secure the locks on the frame onto the connector blocks.





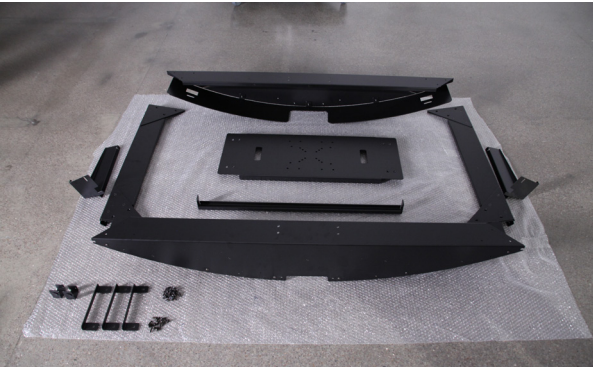
8. Rotate the Optical Lens until you reach the right positioning, and then tighten the locks to secure it in place.



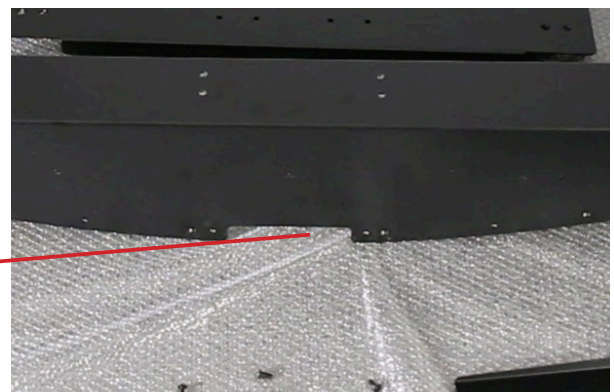
**Important:** If you are installing DeepFrame in public spaces where people can potentially touch the display, we always recommend installing an extra safety device to prevent the locks from opening by accident.

## ASSEMBLING THE OLED MOUNT

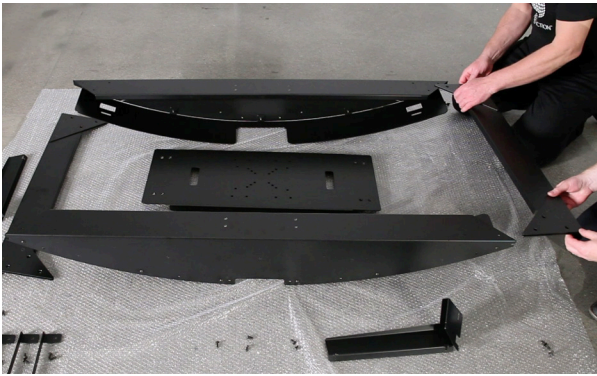
1. Unpack all the parts and place them on a sheet of protective foam on the floor as shown here.



2. Place the 2 curved sections with the opening facing each other, to form the top and bottom of the OLED Mount. To tell the top and bottom apart, the bottom section has a wide incision to fit the connection cable later on.



3. Place the 2 side sections on the left and right side and make sure the notches on each side section matches the notches on the curved sections.



4. Take the first side section and slide it on top, to fit the right side of the 2 curved sections. Fasten with 3 short screws in each end. When all the screws are fitted, tighten them completely with the Umbraco key.



5. Then repeat the same procedure with the left side.



6. Take the Vesa Mount Holder and place it in the middle of the OLED Mount with the flat side facing upwards. Attach it with 4 screws each for the top and bottom. When all the screws are fitted, make sure to tighten them completely.





7. Raise the OLED Mount Kit upwards and then attach the stabilizer inside, with the flat side towards you. Attach it with 1 screw for the top and bottom.

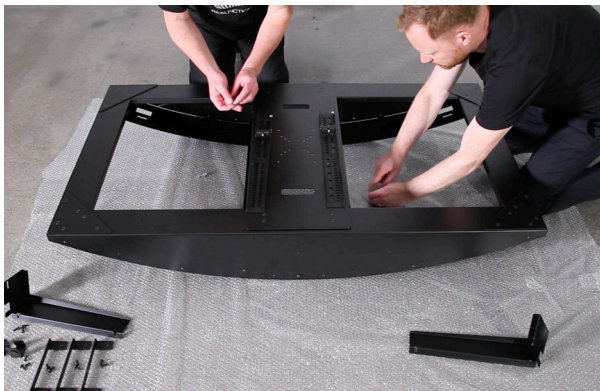


## Attaching your Vesa mount

8. Flip the OLED Mount around so the curved side faces downwards, so the Vesa Mount Holder is visible.



9. Attach the two brackets from your Vesa Mount and fasten with the supplied bolts.



10. Then click the flat panel bracket in place and securely lock it in place by tightening the screws.



11. Now, lift the OLED Mount in place on the OLED Stand. You can easily adjust the tilting if needed.



13. When you are satisfied, remember to secure it in place by pushing down on the lock.





# ATTACHING THE OLED SCREEN TO THE OLED MOUNT

1. Open the box holding OLED Screen and remove the Styrofoam sides.



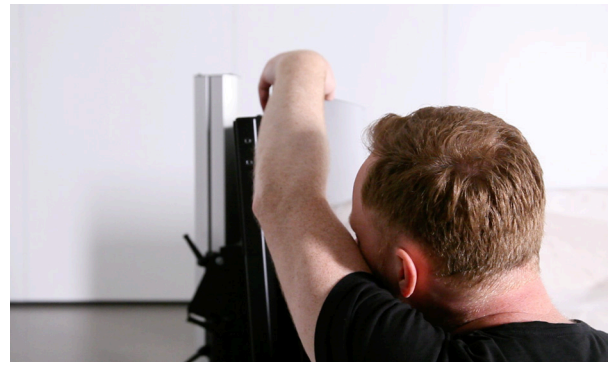
2. On the backside of the OLED Screen, guide the bracket through the bottom of the T-hole first and then slide it up and out towards the corner of the screen. Secure it in place using a piece of tape. Repeat this for the other side as well.



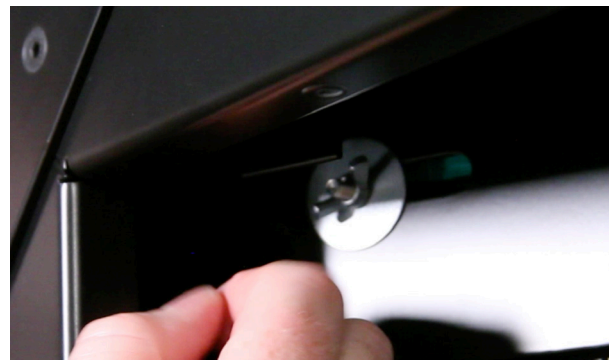
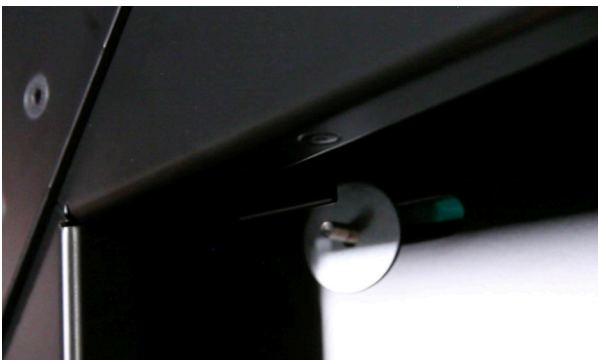
3. Lift the OLED Screen in place, one side at a time, by hinging the bracket to the OLED Mount. Then very gently hinge the other side on, thereby curving the OLED Screen to fit the OLED Mount.

**Important: Do not apply pressure to the bottom part of the OLED Screen, instead allow the bottom corner to bend in a different radius than the top, leaving a wider gap**





4. When both sides are hinged in place, guide the screws through the holes and fasten with the wing nuts and washers to secure it in place, one side at a time.



5. Mount the 2 Corner Protectors on each side using 2 screws on the side and one from below.





5. Locate the Sound Bar and lift it in place on the OLED Floor Stand



6. Then mount the optional Top Protector



7. Take the Connection Cable and mount it to the Sound Bar. Fasten with the 2 small black screws.  
**Beware not to pull the cable towards you as this might damage the part where the cable connects to the screen.**



## ASSEMBLING THE OLED HOUSING

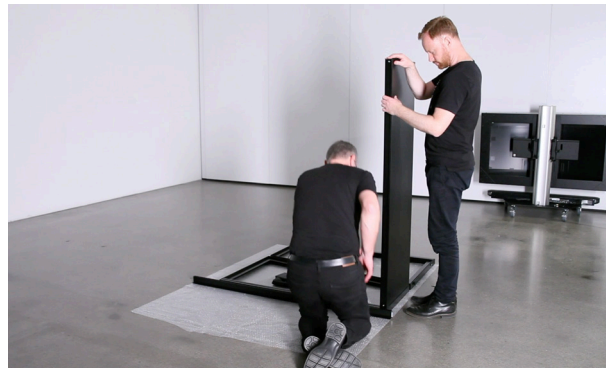
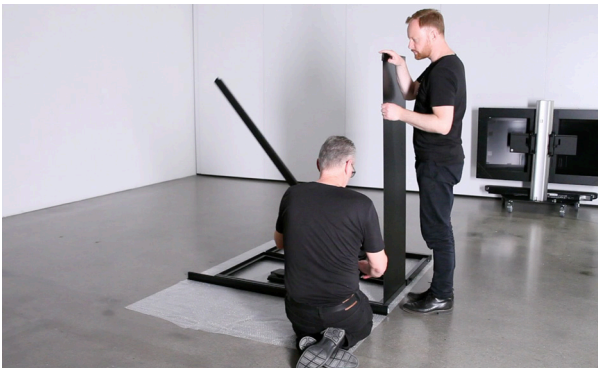
1. Unpack all the parts and place them on a sheet of protective foam on the floor. Please note that all the screws needed for assembling are already fitted. For fast assembling, we recommend not removing the screws or fittings.



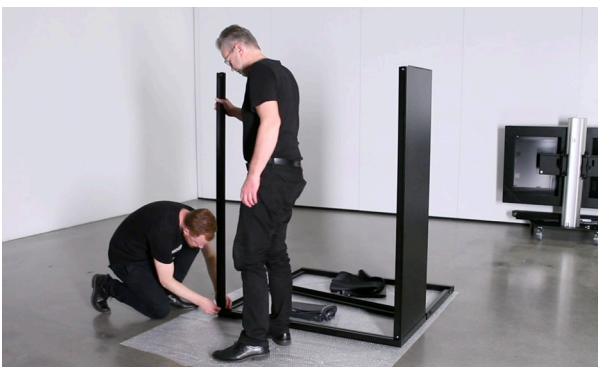
2. Take the top plate and slide it into the groove on one of the side frames.



3. Attach one of the black aluminum profiles to the side frame and lock it in place using an umbraco key.

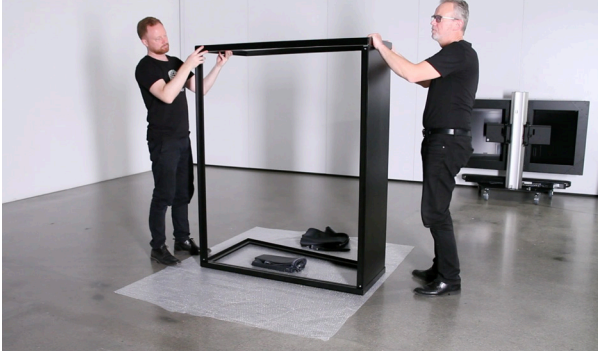


4. The take the second black aluminum profile and attach it in the same way.

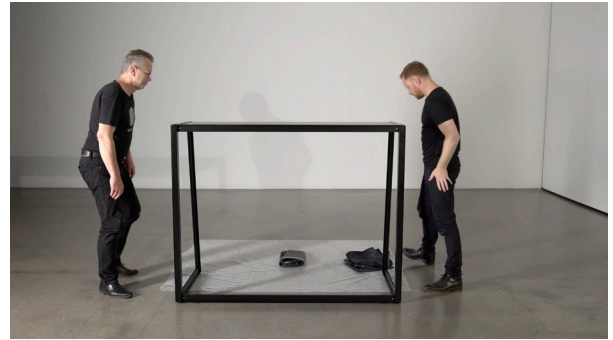
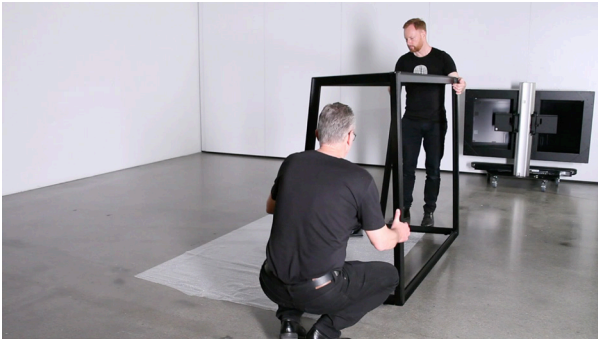




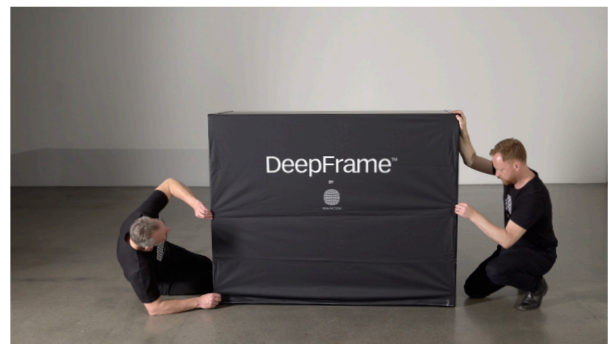
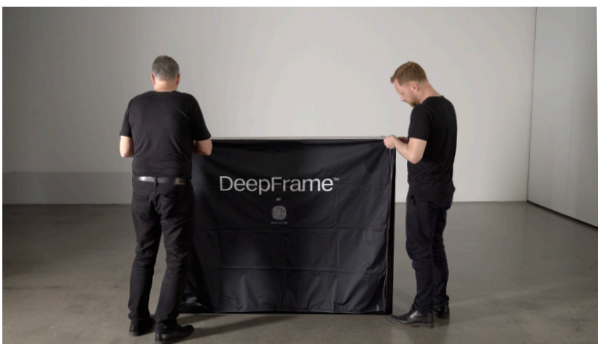
5. Lift the other side frame in place on top and lock it in place.



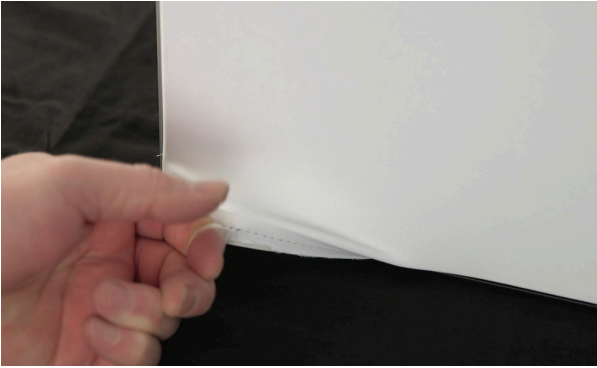
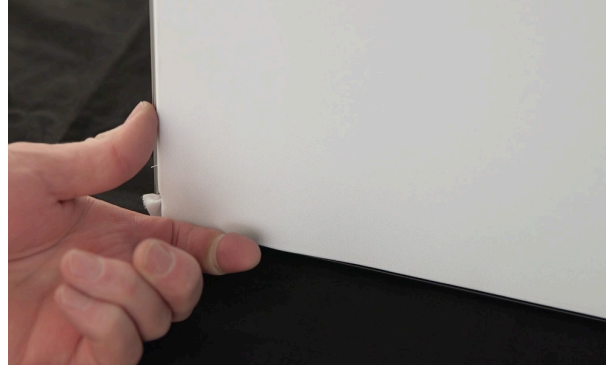
6. Now, place the OLED Housing with the top plate facing upwards.



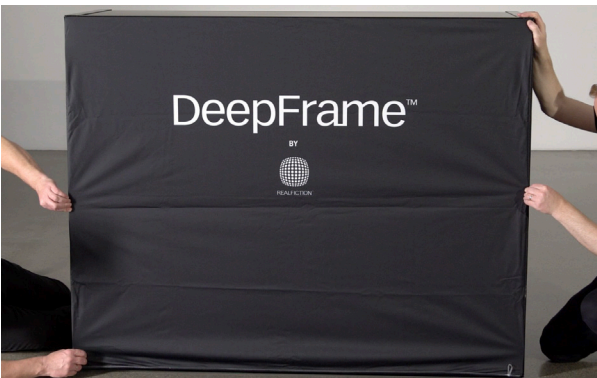
7. Attach the fabric sides by pushing the rubber seam into the groove on the side frames and front. For each side, start with the corners and progress to the middle of the fabric until it is completely attached and stretched.



8. To remove the fabric sides again use the little pull-tab.



9. When ordering the OLED Housing you can upload your own artwork for the fabric sides, and also re-order new ones when needed



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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