

Installation Manual

Contempo Screen



www.dt-screens.com

PLEASE READ PRIOR TO INSTALLATION



Before installation of this projection screen you should fully read these instructions to ensure you are aware of the full installation procedure. In addition to the screen and accessories and in order to carry out the installation you will need:

- 3.5mm Allen key
- Suitable screw fixings of at least 25mm long if the wall which is being fixed into is not a simple wooden structure.
- Spirit level

In the Installation accessories you will find:

- Internal Corner Brackets
- **White Cotton Gloves to be used at all times when handling the white screen fabric**
- Fabric Installation tool
- 30mm fixing screws

It is recommended that at least 2 people install the screen as larger screens can be heavy and awkward to lift. Good lifting practices and lifting aids should be used as required to aid installation.

Important Notes

The symbols below show important notes that must be read and understood at each stage of installation



= Warnings (Safety or Installation Quality)



= Information (Installation requirements or tips)

Unpacking

Each Ultimate Screen is carefully packaged in our factory to ensure that it reaches you in perfect condition. Each section is wrapped in protective packaging or in a PVC sleeve to ensure it is protected and stays clean.



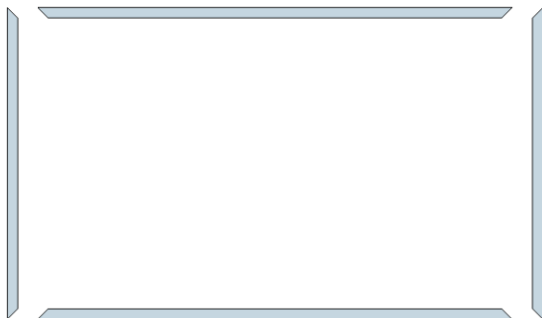
Do not unpack each piece from its protective packaging until you are ready to install it. This will ensure that you do not damage any of the velvet finished pieces accidentally during installation.

You will require a clear, clean area big enough to construct the screen which you have purchased. Ideally you will require a flat floor space slightly bigger than the screen itself. If this is not available then you can build the screen against the wall where it is to be installed, but additional people and support will be required during installation.

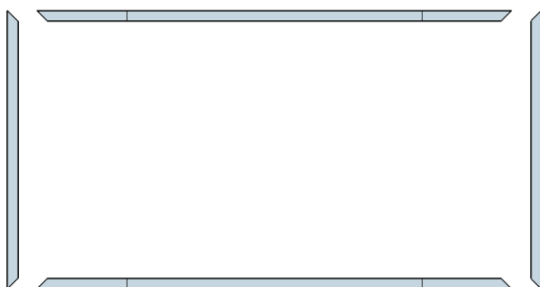
The Ultimate Screen Fixed AT Micro screen is a simple frame which must be mounted to a wall to maintain rigidity.

The size of your screen will affect the configuration of the screen sections supplied. The following diagrams show the different configurations:

Up to 2.8m wide



Over 2.8m up to 6m wide



Frame Section Configurations Fig. 1

Installation

Screen Frame

- Lay out the frame sections in line with the Frame Section Configuration (Fig. 1)
- Start with the top section and work out from there.
- Each straight section (on screens longer than 3m only) should be slotted together and the two Allen grub screws should be tightened on the joining plates. The joining plates will be in your installation box.



Straight Joint example Fig.3

- Now slot the left and right ends of the screen together with the top and bottom sections. Only tighten all the grub screws loosely at first so that they are just touching the metal behind but ensure that you can still move the joint



Internal Corner Bracket Fig. 4

- Once you have slotted together a mitred corner and loosely tightened the grub screws, use a set square to check the corner is at 90 degrees. Once it is, fully tighten all the grub screws on both brackets in that corner.
- The screen rear assembly is now complete.

Screen Hanging



Screens can be heavy and in the case of the micro screen quite flexible and will require at least two people for lifting and hanging of the screen.

- Decide on the height you want the top of your finished screen to be from the finished floor level (FFL). Mark on the wall this point at the centre point of the screen.
- Lift the screen into a vertical position ensuring that the section marked TOP.
- Centre the screen and level it using a spirit level on the mark you have made at the correct height.
- Using the holes in the frame which are at approximately 400mm intervals screw through the frame with a 25mm screw and into the wall behind (or use suitable fixings for the wall structure. Care should be taken to ensure the screen remains level during this process.
- All the fixing holes should be used to ensure a secure fixing of the screen and prevent any later deformation due to the screen fabric tension.

Fabric Installation

Your screen is delivered with two fabrics; the black backing fabric and the main screen fabric. The first one to be installed is the black backing fabric.



Care and time should be taken during handling and installation of the fabric. On larger screens you will need 2 people to complete this task.

- Take the roll of backing fabric and the fabric installation tool. Start to unroll the fabric from the roll by about 500mm. Holding the top corner of the fabric in one hand, line it up with the top left hand corner of the screen so that the edges of the fabric **only overlap the screen frame by 10mm at the top. At the sides you can allow 50mm overlap.**
- With the fabric tool push the tool onto the fabric and down into the white plastic fabric retaining track.

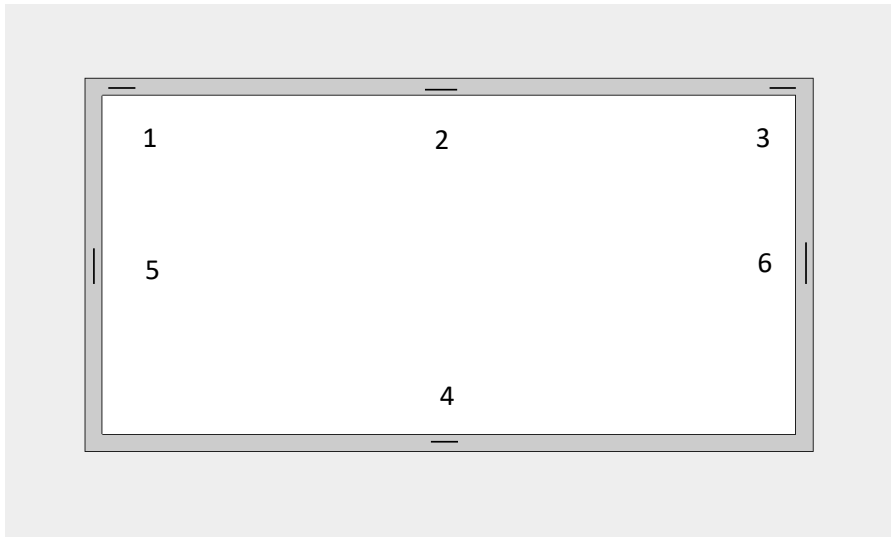


You may want to try pushing the fabric tool into the fabric retaining track without any fabric first to get a feel for where it goes in and how much force is required.



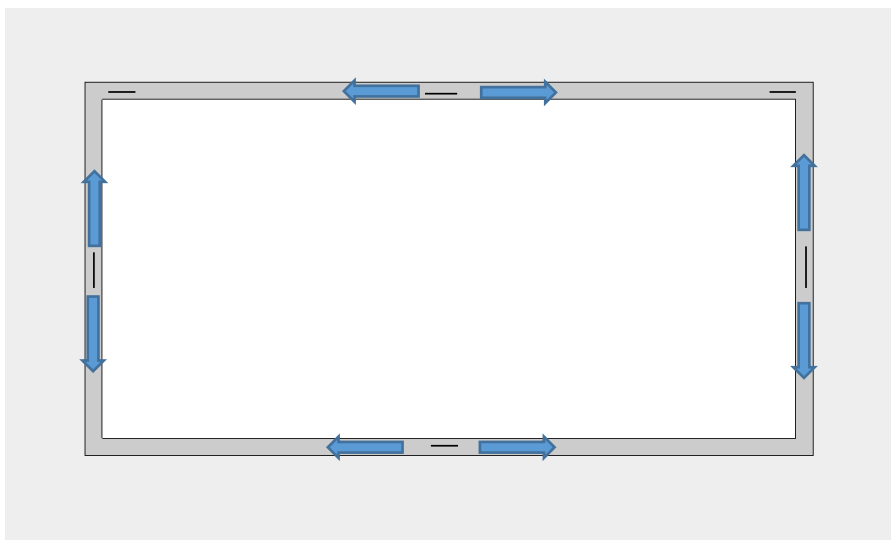
Retaining track insertion point Fig. 5

- Now unwind enough fabric from the roll to take you to the middle of the screen. Again ensuring that the top of the fabric is in line with the top of the screen push the fabric into the fabric retaining track in the centre of the top rail of the screen.
- Now unroll the remainder of the black backing fabric and repeat the process of tucking the fabric into the top right of the screen.
- You should now have the fabric hanging from the three tucked points on the top of the screen.
- Now using one hand apply a little bit of tension to the fabric at the bottom in the middle and then using the fabric installation tool tuck fabric into the centre bottom of the fabric retaining track.
- Now repeat this process on in the centre of the left and then right sides. See Fig.9.



Fabric Tuck Order Fig. 6

- Now continue to tuck in the fabric along the length of the retaining track working out from each central tuck. Only tuck max 300mm at a time in each direction and then go to the opposing side and tuck the same amount. This will ensure an even stretch across all the fabric.




Direction of fabric Tucking Fig.7

- Continue this process until you reach the corners of the screen. You may have to pull out the original tucks in the top left and right corners and re-tuck them to ensure that you have no wrinkles in the fabric.
- Ensure that you are happy that the fabric is flat and wrinkle free.
- Using sharp scissors cut the excess fabric off on the outside of the fabric retaining track leaving a 10mm – 15mm excess.
- Work around the screen to push this excess down into the fabric retaining track. It is best to do this in the same manor as the original tucks working out from the centres until all the excess is tucked in.
- Now repeat the exact same process you have just done for the black backing to install the white projection fabric. Ensure that you have the 'FACE SIDE' label of the fabric facing out in the room as this will be the side the projector will project onto.



Inserting fabric into retaining track. Fig. 8

 **Ensure that you use the white cotton gloves to handle the white projection fabric at all times and keep it away from dust or dirt as it can easily be marked.**