SCREEN EXCELLENCE

TAM 2 TB

True Aspect Masking Projection Screen

ASSEMBLY INSTRUCTIONS

Caution: preliminary notice

Assembling this screen and installing it requires some professional know how. You will need 2 persons, as the screen is too heavy and bulky to be handled by a single person. You will need to be able to evaluate a totally safe way to fix the provided brackets to the wall where it is to be installed, and to provide it. It can be rubber, steel or plastic wall plugs, or hollow wall anchors.

Additionally the very large masking screens should be placed on a platform or a shelf and secured o the wall accordingly

- Make sure there are at least two of you. One single person cannot handle the whole installation.
- Clear a sufficient space, sufficiently larger that the external dimensions of the screen to allow moving around it.
- Open the crates and take all the components and sub-assemblies out, then remove the crates
- Check parts:

Main frame:

1. Top half sub-assembly – qty 1
2. Bottom half sub-assembly – qty 1
3. Prolongators (joining profiles) – qty 2
4. M6 screws with washers – qty 8

Sub frame:

1. Top sub-assembly – qty 1
2. Bottom sub-assembly – qty 1
3. Stiffening bars (vertical sections) – according to screen size – qty 2 or 4
4. Self-tapping screws – qty 8
5. M6 screws (to join sub frame top and bottom by stiffening bars) – qty 8 or 16

Flanges (velvet covered):

1. Top – qty 2
2. Bottom – qty 2
3. Vertical – qty 2
4. M4 screws – qty various

Fabric:

1. White projection fabric – supplied rolled in cardboard tube
2. Black backing fabric – supplied folded

Control system (due to client preferences):

- RTS with remote
- Connexoon RTS – free app download required – with or without remote
- RS232 – allows building automation systems like Creston, AMX, Vantage, Control4, HAI and others

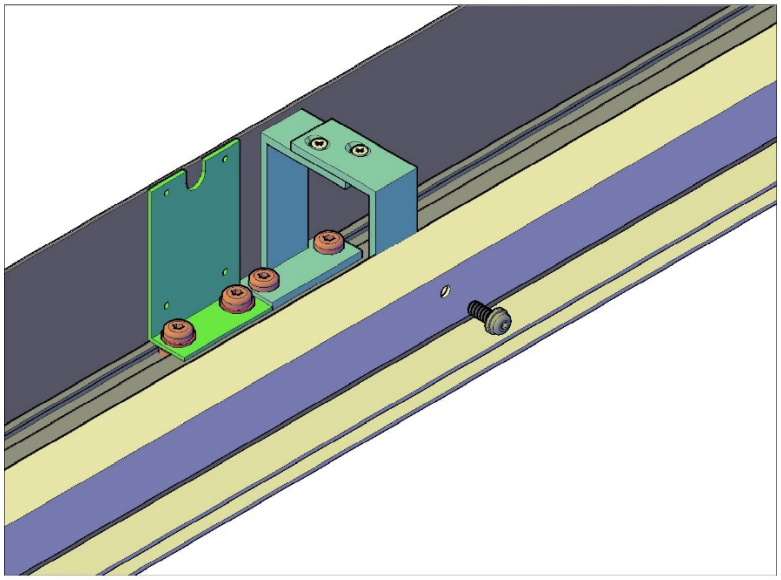
Tools and accessories:

1. Spatula – qty 1
2. Hex keys – qty 2
3. Protective plastic sheet
4. Pair of gloves
5. Velvet strips

You will also need the following items: adhesive tape, tape measure, spirit level, screwdriver, sharp scissors.

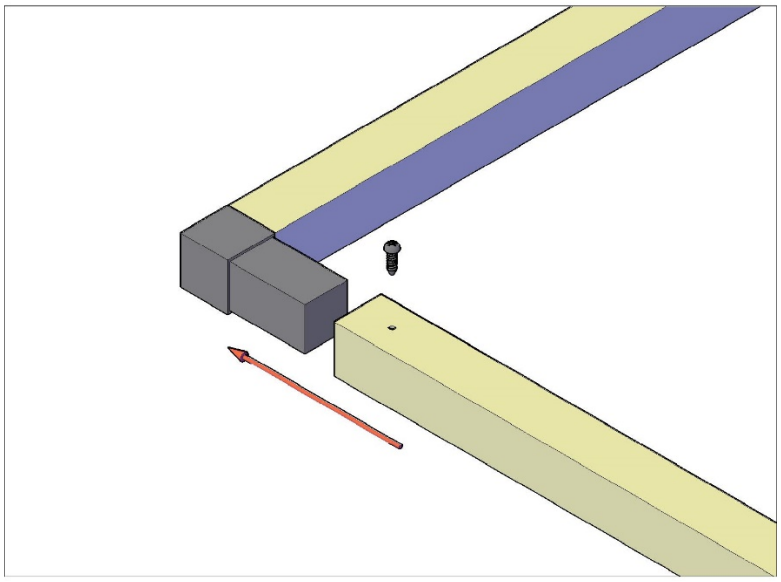
Screen was pre-assembled, programmed and tested in factory. Colour coding is important.

- Locate protective plastic sheet and spread it out onto your soft assembly surface
- Start installation from sub frame assembly
- First remove top and bottom part of sub frame from main frame by removing two M6 screws in each part – **keep them screws in safe place as you will need them to join finished sub frame with main frame**

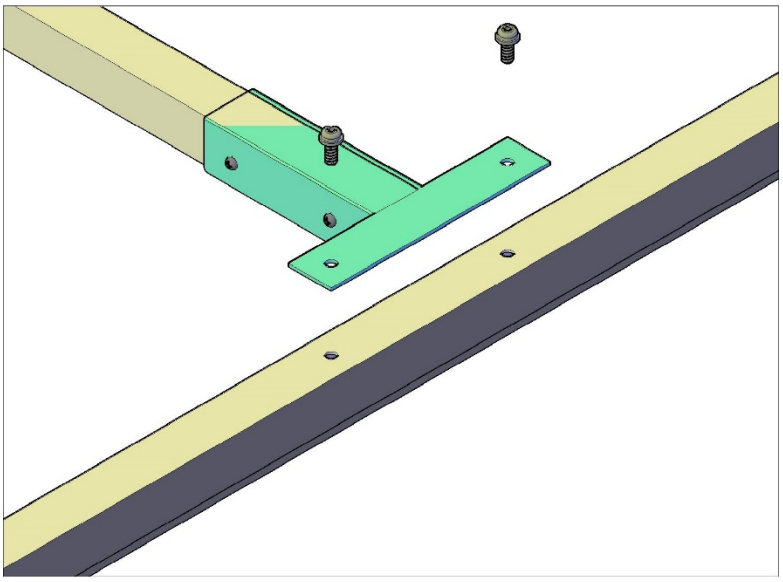


- Lay the two parts on the floor as shown below

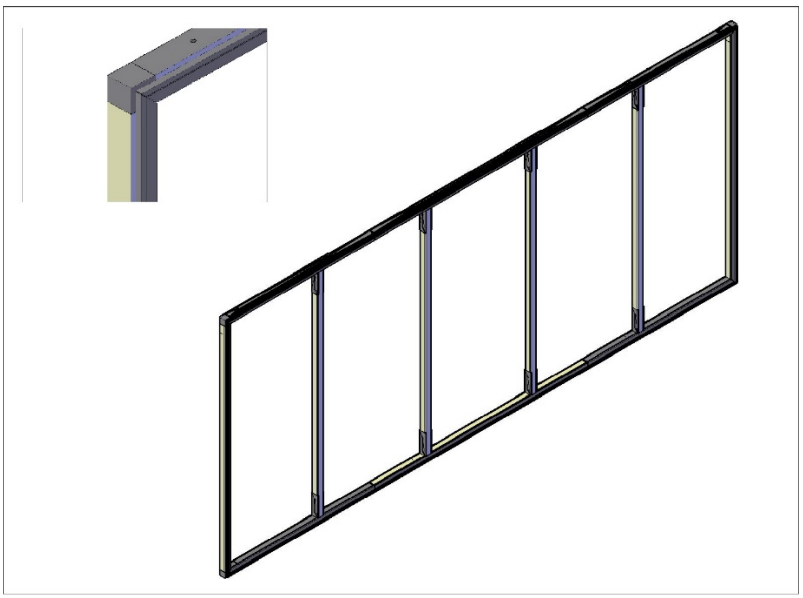
- Next insert the two side tubes. Follow colour codes. Tubes slides over the plastic corner bracket. Use provided self-drilling screw.DO NOT TRY TO MOVE SUB FRAME AT THIS POINT.



- Place stiffening bars in right position and screw them to top and bottom sub frame elements.

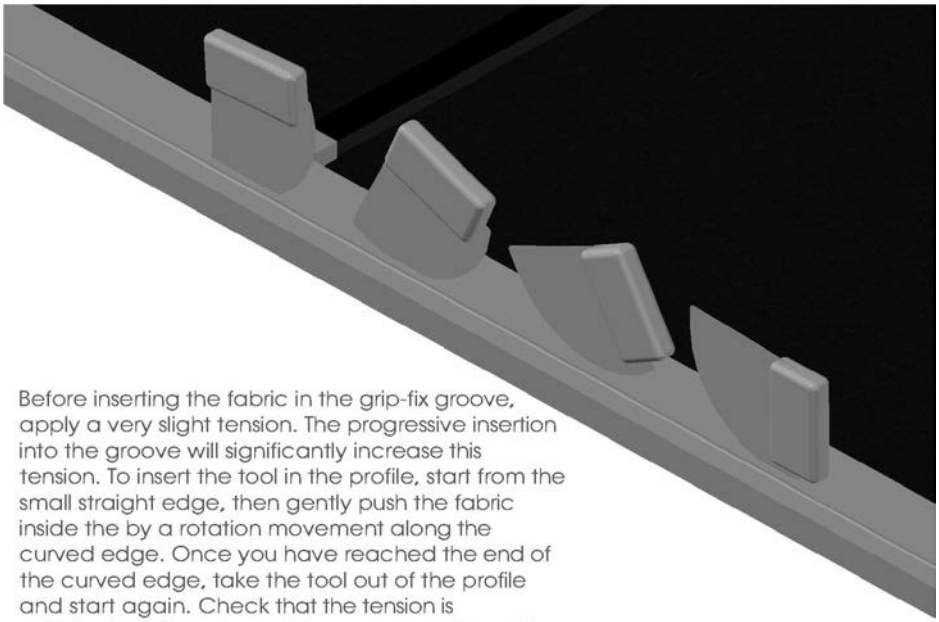


- Your finished sub frame should look like on the drawing below.



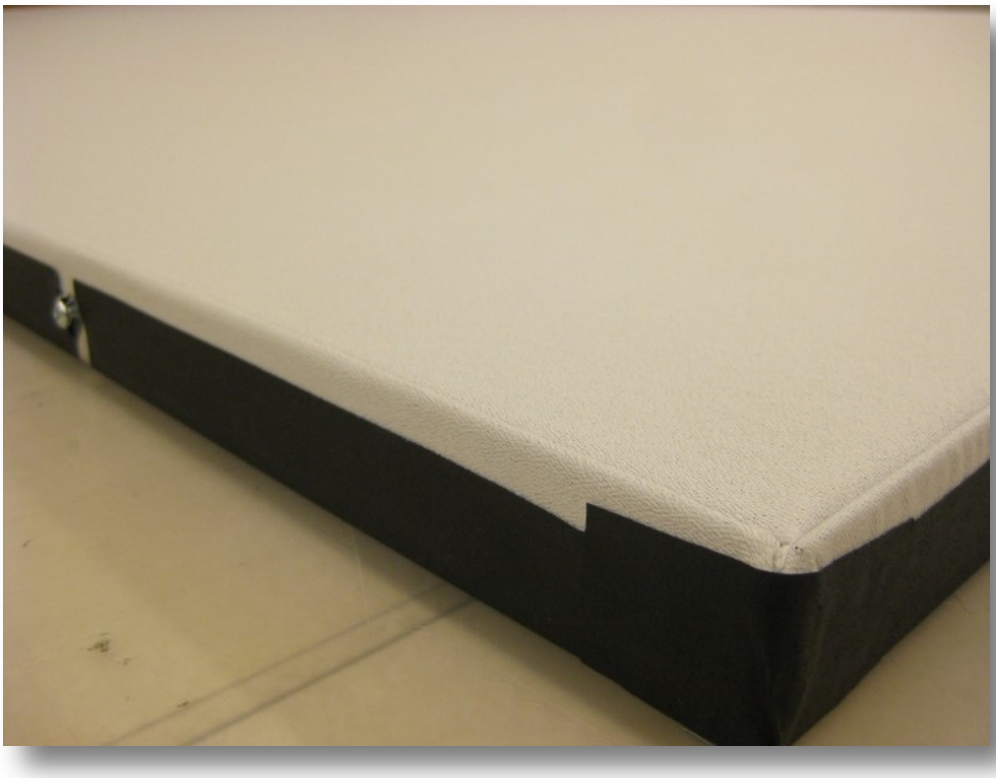
- Install the black backing fabric:

Place the frame on the protective sheet; unfold the black backing fabric. Insert the fabric into the groove of the Gripfix profile with the provided spatula. Start by the middle of the four sides (the large sides first), and then progress towards the corners.



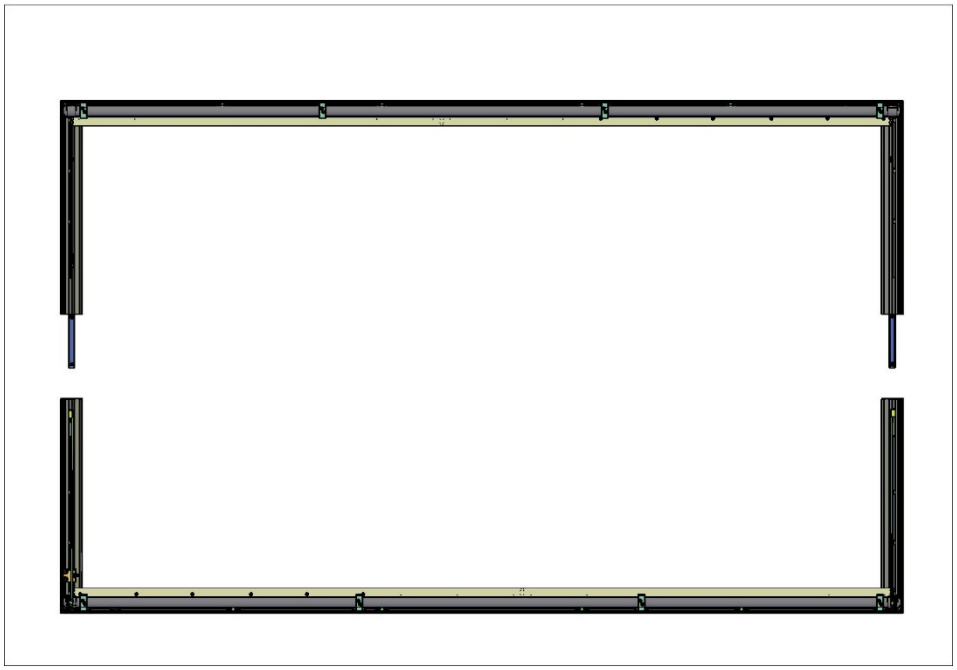
Before inserting the fabric in the grip-fix groove, apply a very slight tension. The progressive insertion into the groove will significantly increase this tension. To insert the tool in the profile, start from the small straight edge, then gently push the fabric inside the by a rotation movement along the curved edge. Once you have reached the end of the curved edge, take the tool out of the profile and start again. Check that the tension is sufficiently uniform to avoid uneven bending of the screen frame.

- Install the white projection fabric.
- Once the material is neatly fitted into the Gripfix and the projection surface is free of wrinkles, with a pair of scissors neatly and carefully trim the excess black and white material so that it is flush with the outside of the sub frame.

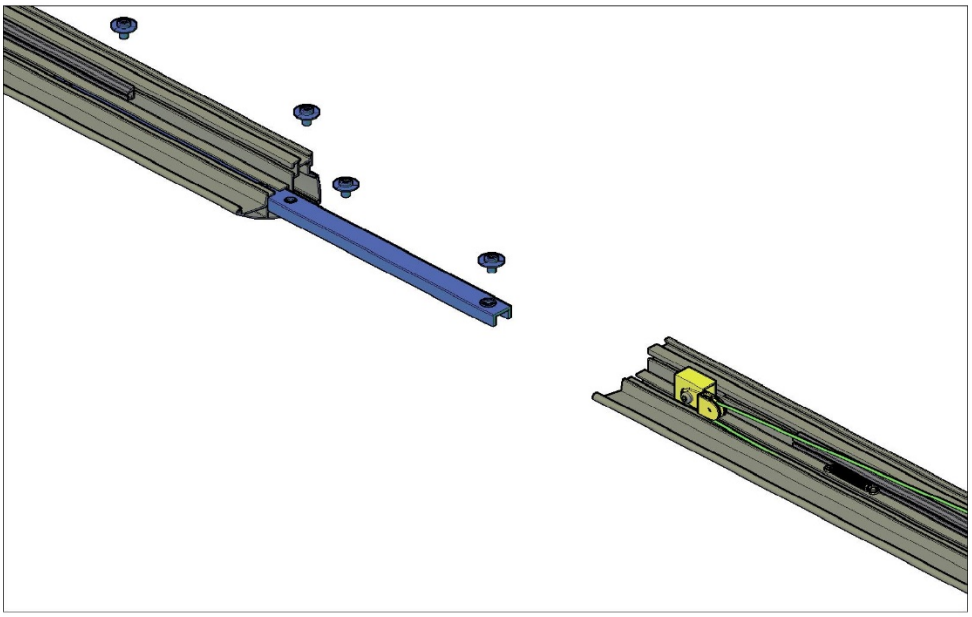


- Your sub frame is now finished. Whilst you make rest of the screen let the sub frame stand vertically against a wall where it will remain clean and safe until it is fitted.
- Now it is time to assemble the main frame of the screen. Frame has been shipped in two halves, each of which is packed separately. You have already unpacked this to get access to the upper and lower sub frame sections which were attached during shipping
- The lower half of the screen can be identified be the “Screen Excellence” badge on its lower left corner
- Make sure that protective plastic sheet is clean before proceeding. Please also be aware that the velvet covering on the screen can be easily damaged by rough handling – it is best to avoid touching it with anything hard.

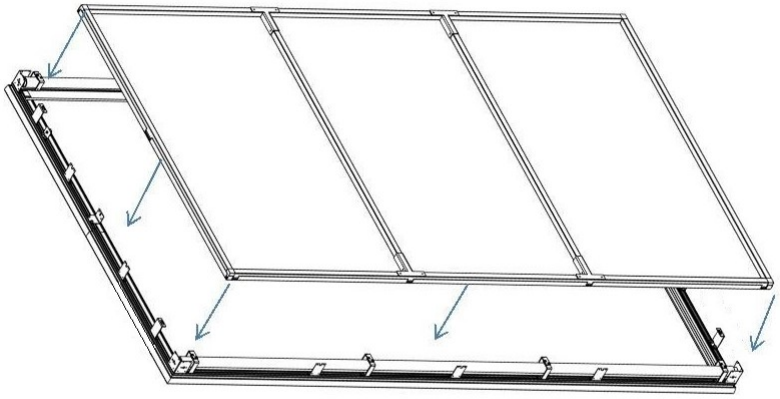
- Lay the two halves of the screen on the protective plastic sheet with the velvet side down.
- Slide prolongators into channels and tight screws. It is important to install prolongators the



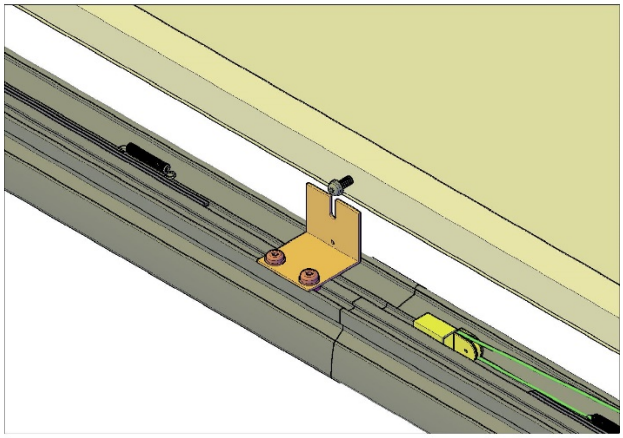
correct way up.



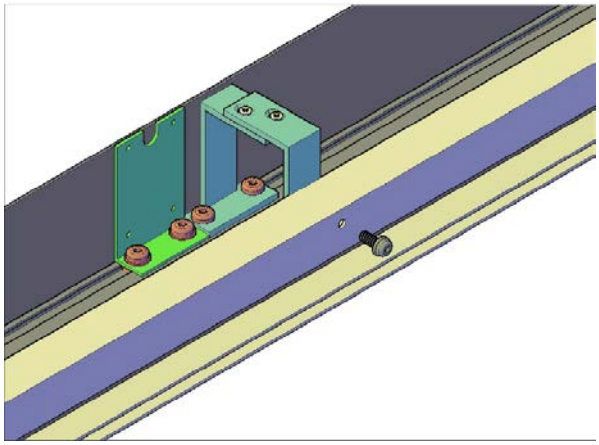
- The next stage is to fit the sub frame to main frame. Sub frame is marked TOP and must be presented to the main frame in the correct orientation.

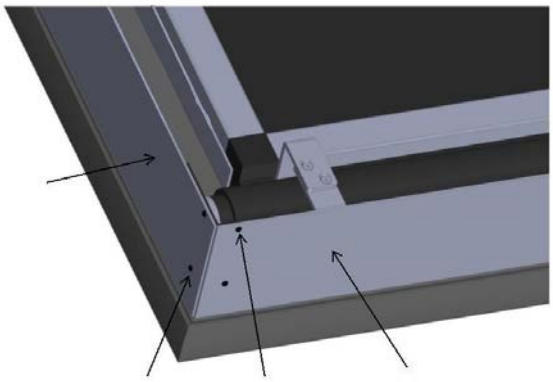


- The sub frame is fixed to main frame on top, bottom, and sides. Slide screws which are on left and right side in to cut on subframe brackets. For top and bottom use screws which you removed when separate sub frame from main frame on the beginning of installation.



- With the screen still lying flat on the ground, fit flanges to the top, bottom and side. These flanges are held in place with M4 screws.





- Determine the position of the wall screws (size ¼”). Refer to drawing. Install 4 wall screws at the correct distance, leaving the screw heads protruding by about ½”. The best way is to install screen in the recess or on the top of cabinet.

- Lift screen and test the different positions. Screen can be order in few options. RS232 – commends are sent true computer or any devices using RS232 protocol (you can program up to 99 positions). Connexoon – simple movement OPEN/CLOSE and one middle position provided by wireless system and iOS/Android app (ask for more information before you decide to use connexoon). RTS – radio control system – OPEN/CLOSE and one “My” position.

1 Connect the 2 motors to the corresponding XLR 3 pins type connectors on the connection box CB1 – if you use RS232 control system – or to the power box if you are using RTS/connexoon system
2 RS232: connect the connection box to the CB2 control unit with the provided 6 pin connectors, and connect the CB2 to mains
3 Operate the motors to check the stops adjustments using remote – for RTS/connexoon or “open” and “close” command from RS232 devices you use (go to programming guide if need any help)
4 Check carefully in the “open” position that when the leading edge of the mask is at rest, the **motor is off** (put your hand on the roller and check that it’s not vibrating or heating).
5 If the motor is still on, it means that the stop adjustment has been lost during transport. In that case, you will have to readjust mechanically the stop to have the mask leading edge exactly aligned with the edge of the main frame profile. You can adjust the stops with a Hex key (provided) at the motor head.
6 Check carefully in the “close” position that the leading edge defines exactly an aspect ratio of 1.33
7 Repeat this checks for both motors
8 Use programming guide if you need to make some changes – not recommended

- Once the masks movements are satisfying, you are ready to hang the complete screen.