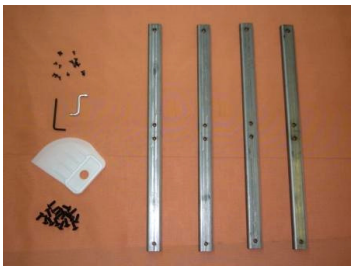
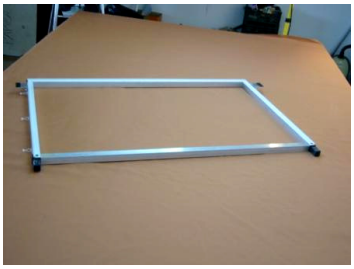
True Aspect Masking (TAM) screen installer instructions

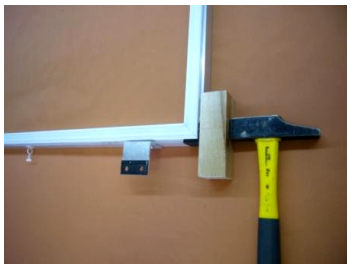
1) Make sure there are two of you. One single person cannot handle the whole installation.
2) Clear a sufficient space, sufficiently larger that the external dimensions of the screen to allow moving around it.
3) Lay the 2 crates on the floor, and unscrew the top panel of each as indicated.
4) Open the crates and take all the components and sub-assemblies out, then remove the crates
5) Check parts list

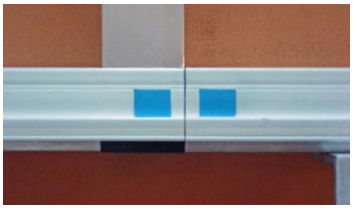


4 assembling brackets
1 spatula
2 Hex Keys
16+1 screws 16 x 6 mm (main frame)
16+1 screws 3.5 x 6 mm (finishing boards)
16 screws 8 x 12 mm already installed on the mainframe to affix subframe

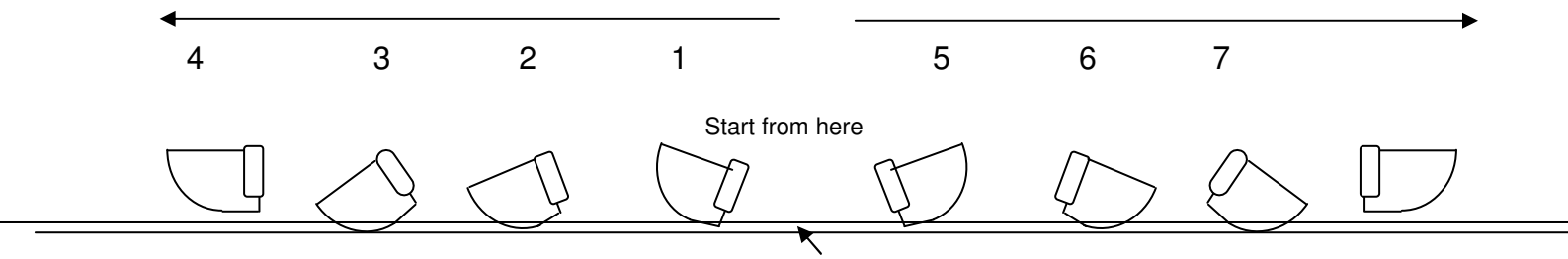
6) Start by assembling the subframe (match colour tags). Be careful to check the square angles.



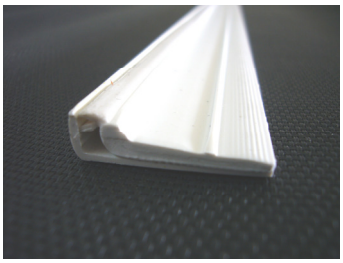




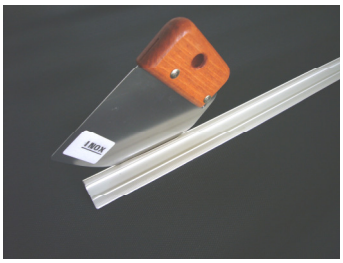
7) Install the black backing fabric
° Place the frame on the protective sheet, unroll the white and black fabrics. Beware not to stain the white fabric. Insert the fabric into the groove of the white Gripfix profile with the provided spatula. Start by the middle of the four sides (the large sides first), and then progress towards the corners.

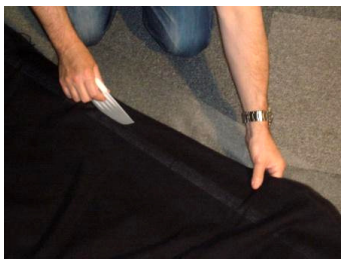


It is safer to perceive the insertion angle by simply inserting the tool once in the profile without the fabric. Then remove it, place the fabric over the profile and insert it inside.



Gripfix profile





Gripfix profile & inserted spatula

Note:

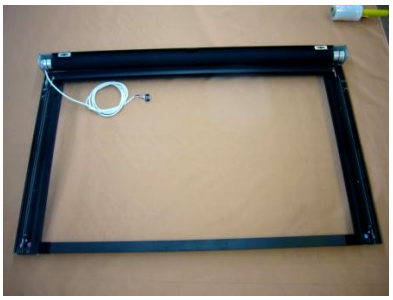
- Before inserting the fabric in the profile groove, apply a very slight tension. The progressive insertion into the groove will significantly increase this tension.
- To insert the tool in the profile, start from the small straight edge, then gently push the fabric inside the by a rotation movement along the curved edge. Once you have reached the end of the curved edge, take the tool out of the profile and start again.

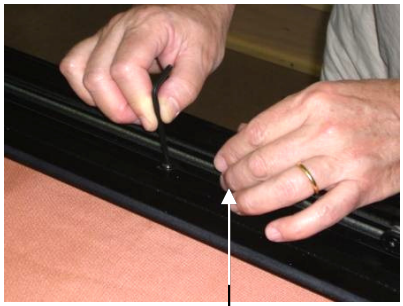
Cut excess, leaving an edge margin of ¼".

8) Install the Enlightor fabric. Cut excess, leaving an edge margin of ¼".

9) Remove subframe & fabrics from working area

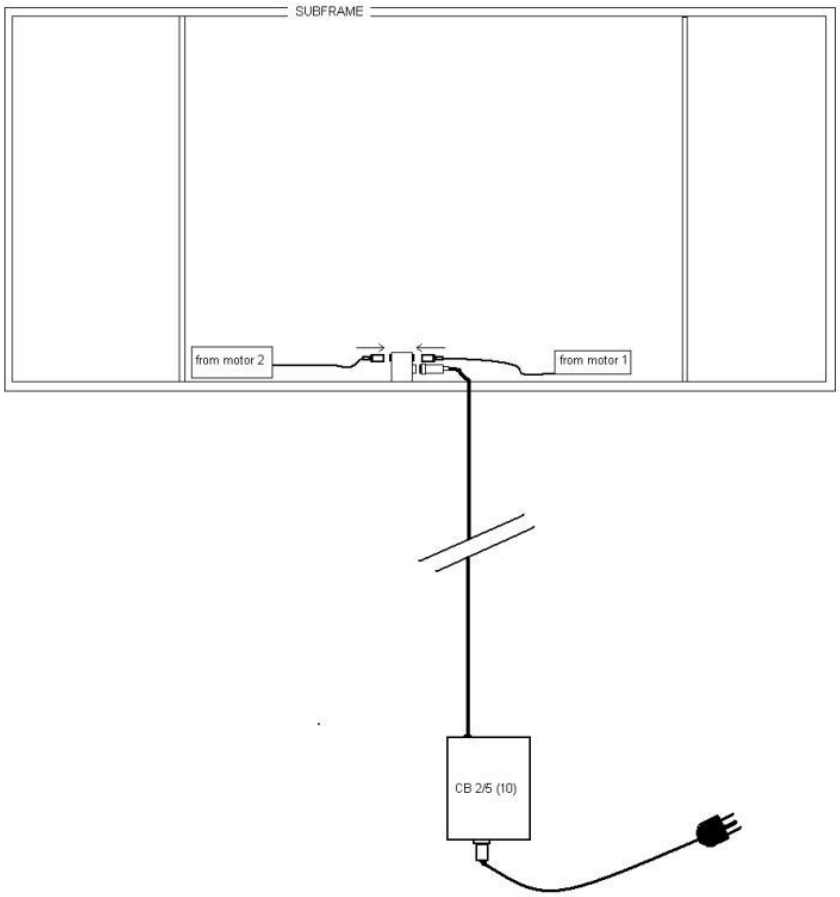
10) Start assembling mainframe <u>without removing spacing wooden cleats</u> (unlike on some of the following pictures!) (match colour tags)





push the halliard with the finger when tightening the screw

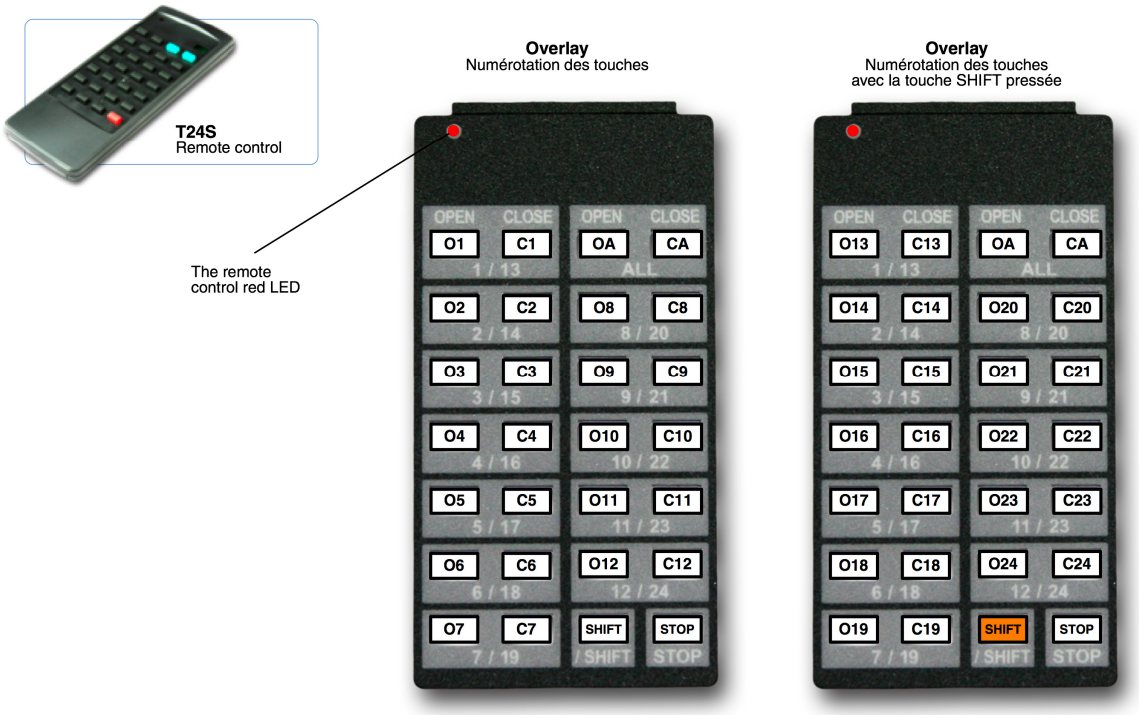
11) Once the mainframe is assembled, lay it flat

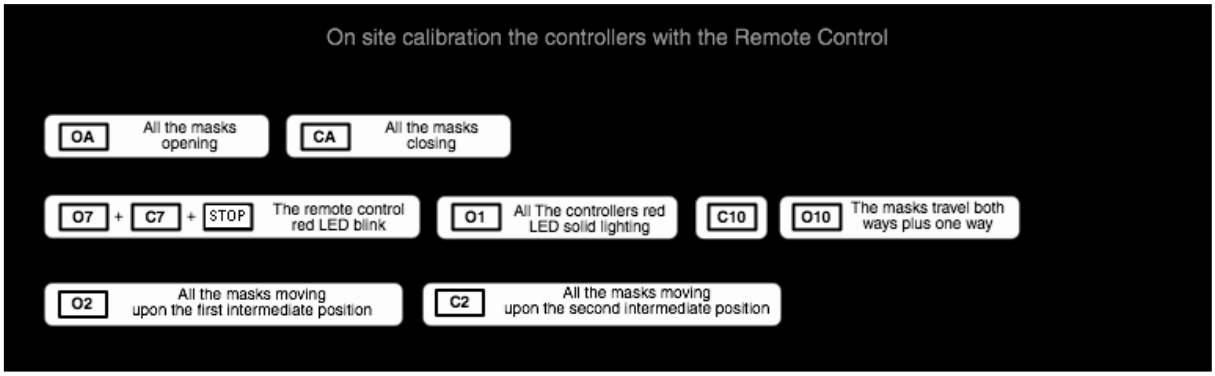


WARNING! DO NOT OPERATE THE MOTORS AND CURTAINS WHEN THE SUBFRAME IS NOT FIXED TO THE MAIN FRAME!

12) Connect the 2 motors to the corresponding XLR 4 pins type connectors on the connection box behind the central part of the subframe
13) Connect the connection box to the CB2/5 or CB2/10 control unit with the provided 7 pin XLR connector, and connect also the CB2/5 (10) to mains
14) Operate the motors to check the stops adjustments using the “open” and “close” green buttons on the top right of the remote.
15) 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). 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.
16) Check carefully in the “close” position that the leading edge defines exactly an aspect ratio of 1.33
17) Repeat this checks for both motors
18) Re-initiate motors control calibration by applying the following sequence on the T24S 433 dual transmitter

The Remote Control





Note:Calibration: Calibration will cause the motor to go to its reference limit, then to the other limit, then back again. ***DO NOT** interrupt this sequence. STOP will be ignored unless pressed for at least 2 seconds and then the calibration will be aborted

19) To Open the masks to 2.37 aspect ratio, press the green button “open all” and to close it to 1.33 aspect ratio, press “close all”

20) To set the mask to 1.78 aspect ratio, press “open 2” and to set it to 1.85 aspect ratio, press “close 2”.

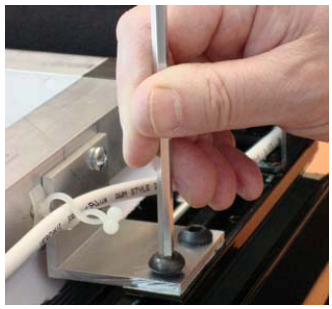
21) **If in trouble, For assistance by phone, please call Electronic Solutions Inc. at +1.303.469.9322 or TOLL FREE at +1.866.773.8919.**

22) **Intermediate positions (1.85 and 1.78 are set respectively at 50% and 44% of the total run) (website:** http://www.elec-solutions.com/company**)**

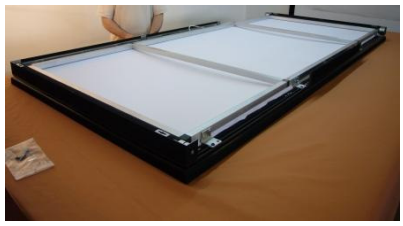
23) If there is a need to completely reprogram the system (If after re-calibration the masks do not travel to the expected positions), then follow the programming procedure described in the appendix.

24) Once the masks movements are satisfying, you are ready to assemble the whole screen together. Match colour tags of subframe with mainframe.

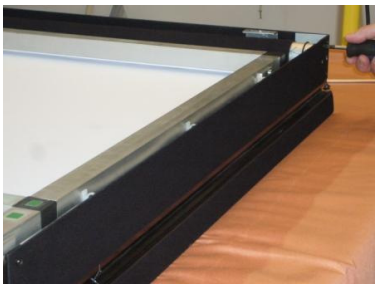


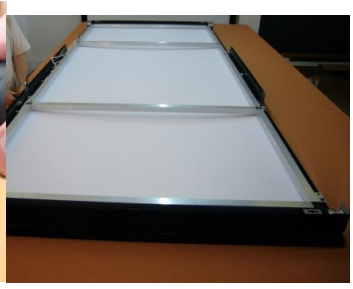


Watch the position of the marks

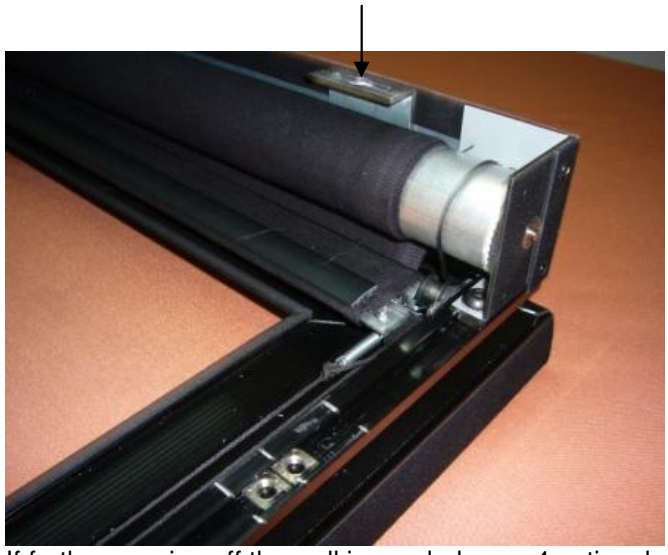


25) Place the finishing boards at the outer edges





26) 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 2/12”



If further spacing off the wall is needed, use 4 optional spacing brackets.

27) Fix the whole screen on the 4 screw heads. Remove the wooden cleats. Then you’re ready to test the different positions

Ooops!

28) Hide the wiring

<u>You’re done!</u>

P.S. The aluminium profile seen on these shots is for tests in our workshop. It is not a part of the TAM product!

APPENDIX: COMPLETE PROGRAMMING SEQUENCE