



Control Your Video

**VIDEO WALLS VIDEO PROCESSORS
VIDEO MATRIX SWITCHES
EXTENDERS SPLITTERS WIRELESS
CABLES & ACCESSORIES**

Quad Multi-Input Videowall Controller with Audio Support and Rotation



Model #: MLT-PROWALL-4K

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Product Application & Market Sectors



Corporate



House Of Worship



Military



Residential



Education



Industrial



Medical



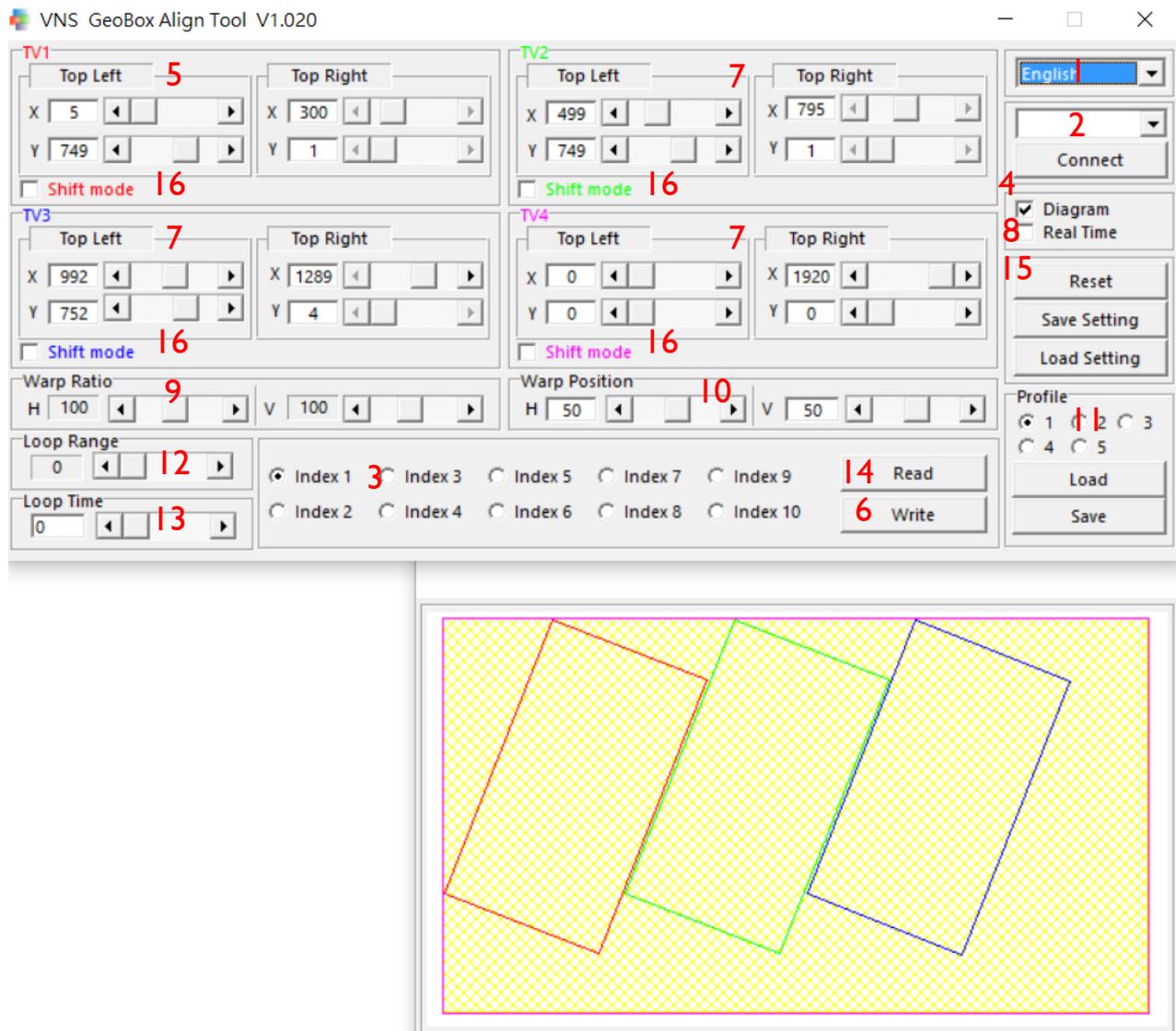
Aviation



MLT-Prowall G-Align PC tool user guide

PC tool download

1. Please download PC tool from Avenview website.
2. Open the PC tool from the downloaded folder.
3. [GAlign] directory should consist three files:
 - ✓ Quick GAlign PC tool user guide for MLT-PROWALL-4K
 - ✓ GAlign.exe
 - ✓ UI.INI
4. User can create Language based on his requirement. Please open UI.INI and add new string set into UI.INI and save this modification inside the same [GAlign] directory. Then user can find a new language in this PC tool.
5. Turn all Dip SW to OFF position so that the settings in [GAlign] will not be affected by Dip SW settings.
6. Open [GAlign.exe] file and user will see operation window.
7. **This PC tool is .exe file may be blocked by Anti-virus tool. Please allow this program through.**



[GAlign] PC tool operation procedures

- (1) : Please open [GAlign.exe] file. Select Language.
- (2) : User should see [COM #] at the top right corner. If not, RS232 is not connected with PC. Please check [Device Manager] in PC and make sure RS232 USB driver is correctly installed. Click [Connect], user will see [Close] in the block. It means PC tool has already connected with MLT-PROWALL and ready to use.
- (3) : Select [Index 1-10]. Index is the location to store your settings.
- (4) : Click [Diagram] will enable a diagram of the draft drawing of the image for each TV.
- (5) : key-in the coordinates of Top Left corner and Top Right corner for TV1 which user captures from picture or layout plan files.
- (6) : Click [Write] button. User should see the result in TV1.
- (7) : follow the same procedures to key-in coordinates for TV2-TV4. Then to click [Write] button to see the result.
- (8) : Click [Real Time] button to enable real time image position adjustment. When user click the slide bar in each coordinate, user will see the image change in real time.
- (9) : [Warp Ratio] is to adjust aspect ratio (image width and height) for the complete image in horizontal and vertical directions.
- (10) : [Warp Position] is to adjust complete image position in the video wall in horizontal and vertical directions within the range of 1920x1080 coordinate system. If the image is fit to full 1920x1080, then no position can be shifted before user adjusts the [Warp Ratio].
- (11) : [Profile] is to save all settings into MLT-PROWALL including input source, PIP/POP, video wall settings, ratio, looping playback, color... Please select Profile # and click [Save] to store the setting and click [Load] to recall it at any time. Maximum up to 5 Profiles can be saved.
- (12) : [Loop Range] is to select the Index quantity for looping playback. Please put the Index for playback at the front. User can only set the quantity for playback from the 1st Index.
- (13) : [Loop Time] is to set the time interval for looping playback.
- (14) : [Read] is to read back current setting inside MLT-PROWALL-4K and do further modification or [Write] to another Index.
- (15) : [Reset] is to reset the setting to default value.
- (16) : [Shift Mode] is to shift image position for each LCD at horizontal and vertical direction without change the size and angle of the image. It is convenient for fine tune image position.

Important notice:

1. System control by Dip SW or OSD:
 - a 、 If turn [Main Input] Dip SW to OFF (down) position, the system will show the result from OSD or PC tool settings.
 - b 、 If [Main Input] Dip SW selection is in ON position, the system will follow Dip SW settings after system Power ON.
2. Looping Playback:
 - a 、 User can do different settings in Index 1-10 and execute “Looping Playback” from selected Index # (looping Index should be put sequentially at the front). Each Index can highlight or pop up specific region of the image to get more attraction. Loop playback function is in [Manual Mode] under [Video Wall] menu.
 - b 、 If user can't see OSD menu to set [Looping Playback] function, please turn on Dip SW in Main input to select input source, then Power on MLT-PROWALL-4K again. User will see full screen image in each TV so that user can set [Looping Playback] function in [Manual Mode] under [Video Wall] menu.
 - c 、 After finish the setting, please turn Dip sw back to DOWN position and power on the system again so that user can see the setting result.
3. How to load Profile settings:

User can also use Remote controller [OTH] + Number key to recall Profile setting. If new RC-700 controller is used, user can see [Profile] shortcut key to load the setting.
4. Protect LCD from burn-in mark:
 - a 、 To finish the video wall settings first.
 - b 、 Based on the same settings, user can do slightly change in [Warp Ratio] or [Warp Position] with only few pixels and save into different Index #.
 - c 、 User can also change the coordinates with few pixels change in H&V directions. Then save different setting into different Index.
 - d 、 Looping playback with these Index settings at some time interval for LCD protection.
5. Procedures for image position fine-tune
 - a 、 Please download Video Wall test pattern for easier setup.
 - b 、 To display the test pattern with full screen to the video wall.
 - c 、 If some misalignment can be seen, then position fine-tune is required.
 - d 、 To adjust [Warp Ratio] and [Warp position] to align image center to video wall center.
 - e 、 To align the image center area first, then spread to outside area.
 - f 、 PC tool [GAlign] will be the most convenient tool for position fine tune. Please apply [Shift Mode] to align the image position among different LCD.
 - g 、 To check [Real Time] button in [GAlign] PC tool so that user can click the slide bar to change image position. If IR controller is used, user can access [Index #] & [TV #] directly and also [Top Left] & [Top Right] shortcut keys to align the image position. [Position] menu next to [Top right] menu can do image position shift for each LCD in H&V directions without change the image rotation angle and size. It is convenient for

position fine-tune. Please note that if the coordinate of the image is at (0, xx) or (xx, 0) location, the image can't be shifted to "negative" coordinate.

- h ‧ If user changes both Top Left and Top Right "X" coordinate (horizontal) to one direction at the same time, user can see the image shift in horizontal direction.
 - i ‧ If user changes both Top Left and Top Right "Y" coordinate (vertical) to one direction at the same time, user can see the image shift in vertical direction.
 - j ‧ If the image grid size in adjacent TV is different, user need to decide which grid size should be applied. User can measure the grid size in different TV to decide which one should be enlarged or shrunk.
 - k ‧ If user enlarges the coordinate difference between Top Left and Top Right corners in one TV, it will capture more image pixels into this TV and the grid size of the image will be shrunk. If coordinates difference is reduced, the image will be ZOOM IN and enlarged the grid size.
 - l ‧ User can adjust both horizontal and vertical direction coordinates to rotate the image.
6. If user requires special display mode with non-16:9 LCD, then it should be done in the factory with additional charges. We can create any type of display into any kind of panels based on user's request.



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TECHNICAL SUPPORT

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