



Mattei Air Compressors

Maestro XS Controller
Networking procedures



Procedures to Network Mattei Air Compressors equipped with the Maestro XS controller together in a wired network. The following procedures will assist in setting up the XS controller(s) on the compressor(s) chosen to be the “Slave” machine(s) first. (**IMPORTANT!!!** Do Not connect the Networking Cable until ALL Compressors are programed.) Follow the steps in order, screen shots are for reference only, follow the steps!

Step 1. Power up Slave compressor. (If display on controller does not illuminate wiring is not properly attached. Seek assistance from Electrician.)

Step 2. Once the controller illuminates and completes start up process press and hold all 3 arrow keys simultaneously as display in image below.



Step 3. Change **ONLY** the “Display address setting” number to “00” by pressing “enter < ↵ > key” and then the “up” arrow.



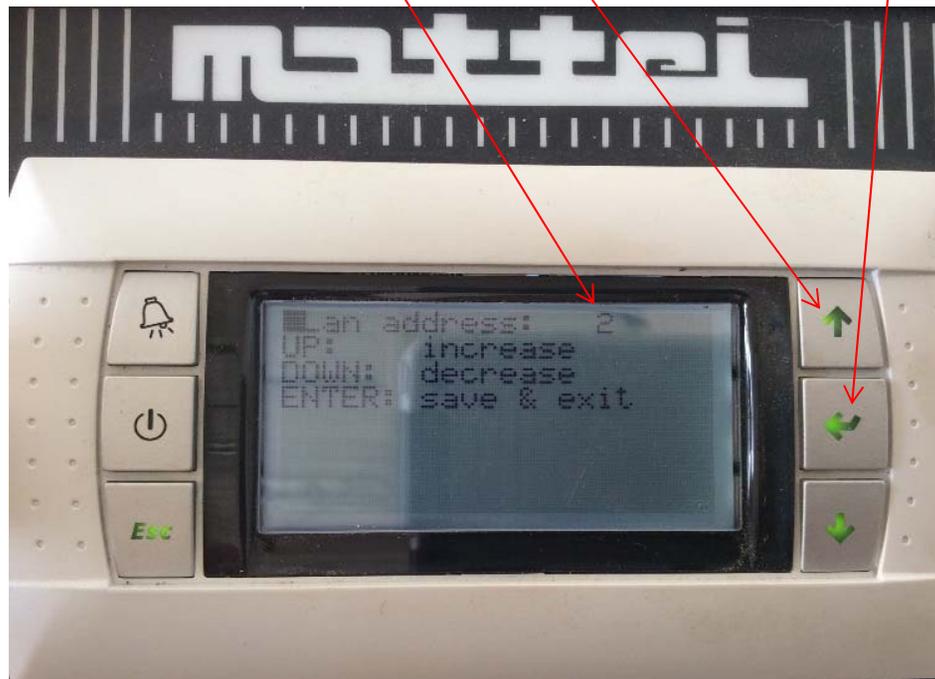
Step 4. After changing to “00” Press “enter < ↵ > key” and confirm “Display Address Changed” is displayed. (see next page/picture)



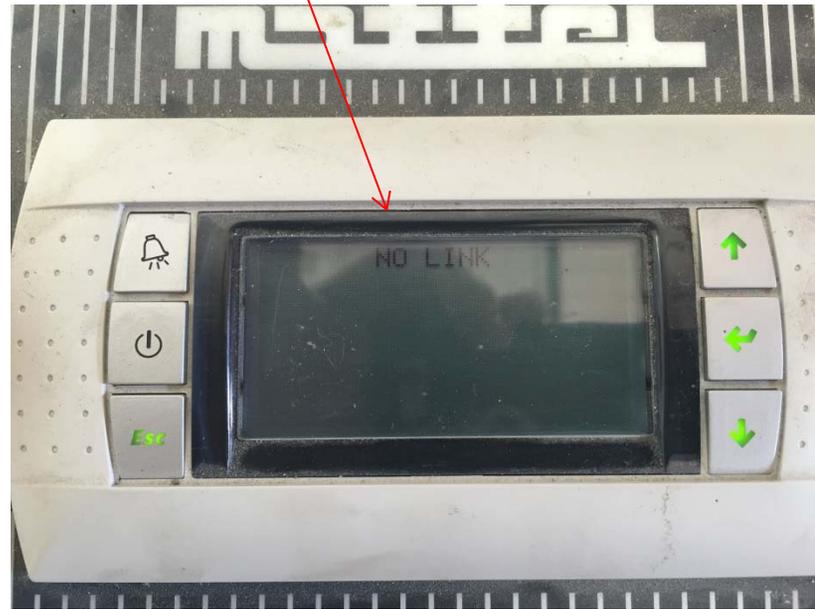
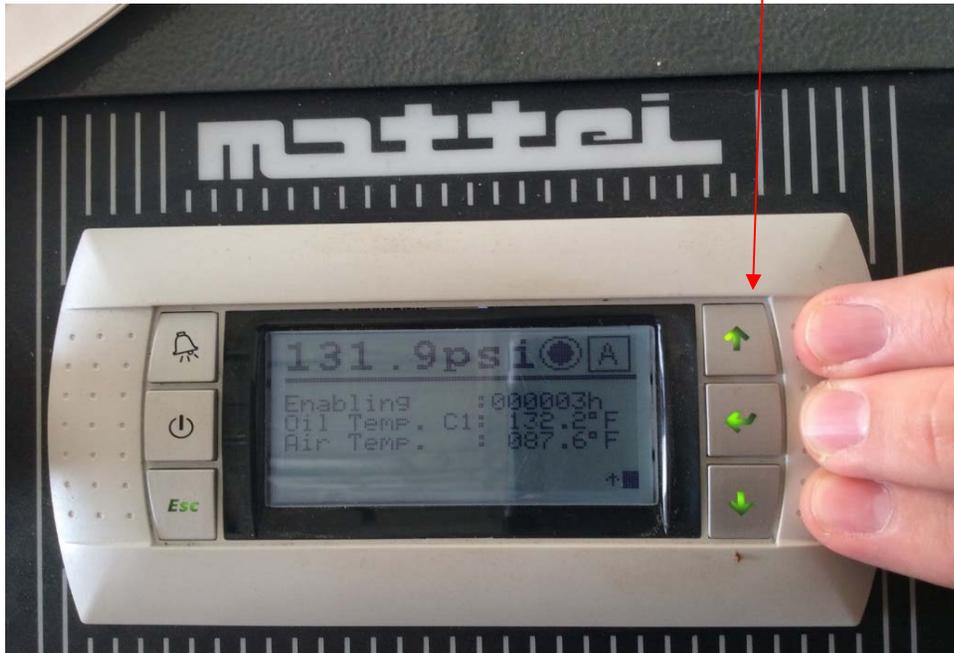
Step 5. **Turn power off.** After 30 seconds power compressor back on and after 2 seconds press the “bell”(reset) and “up arrow” keys simultaneously and hold until “Self Test” displays and wait



Step 6. Change PLAN address to "2" using "up" arrow and **THEN** press "enter < ↵ > key",
(Screen will go blank)



Step 7. Again simultaneously press the three arrow keys and set the Terminal Address to "31". When you change the Terminal address to 31 and press enter key the screen will display "No Link". When this happens simply simultaneously press the three arrow keys once again and then change the board address to "02"



Step 8. Once the board and terminal addresses have been changed to 31/02, press the < ⏏ > key. The screen should display “Terminal Config. Press enter to continue”. Press enter.

Step 9. We now have access to the page where we can save the settings we have selected. Confirm the following changes are correct, adjust settings as necessary.

P:02 Adr Priv/shared

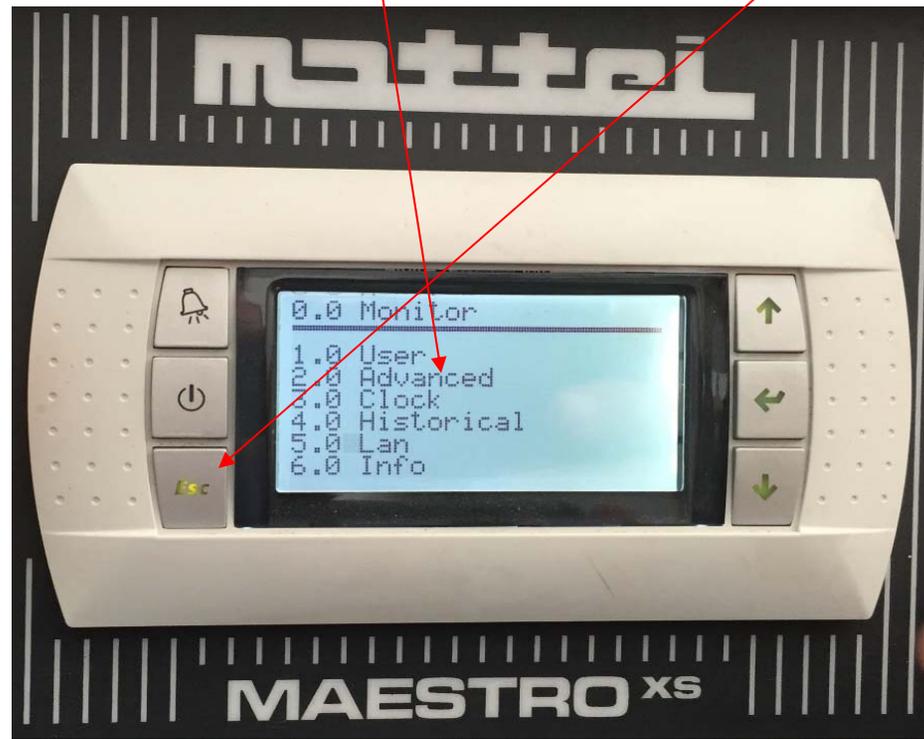
Trm1 31 PR

Trm2 none –

Trm3 none -- ok? **YES** (We must bring the cursor to “OK?”, select “Yes” with up arrow key and confirm with the < ⏏ > enter key.)

Step 10. **Power compressor off and wait 30 seconds.**

Step 11. Power back up and wait for controller to finish start up (approx. 30 seconds) press the “esc” button and using up/down arrows scroll to “Advanced” menu, press enter. Enter password (see password chart).



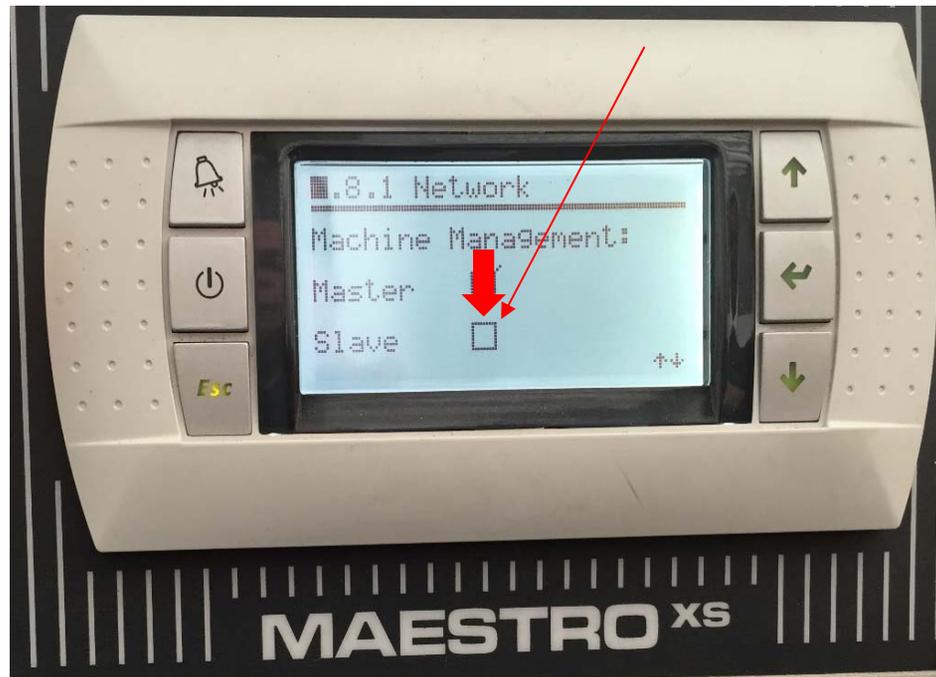
Step 12. Using up/down arrows scroll to “Enabling” and press “enter < ↵ > key”



Step 13. Using down arrow scroll to screen 2.2.2 and press “enter < ↵ > key”. scroll to “Network” and place check mark on yes using “up” arrow key and “Enter” for “Network”. Then press “esc”



Step 14. Scroll to “Network” screen 2.8.1 and set machine as “Slave”, press “esc”



Step 15. Scroll to "Configuration" screen 2.1. press enter < ↵ > key Scroll to screen 2.1.3 and confirm/or change "Address" to "02" and then press "esc" twice.



Slave Machine is now set up. (Keep in mind if you have more than one slave machine on a network each slave machine must have its own address, 31/02, 30/03, 29/04, etc.)

Move on to the next slave or Master Machine now.

Set up procedures for “Master” Machine

Power up **Master** compressor. (If display does not illuminate wiring is not properly attached.)

Step 1. Press the “esc” button and using up/down arrows scroll to “Advanced” menu. “enter < ↵ > key”
Enter password (see password chart).



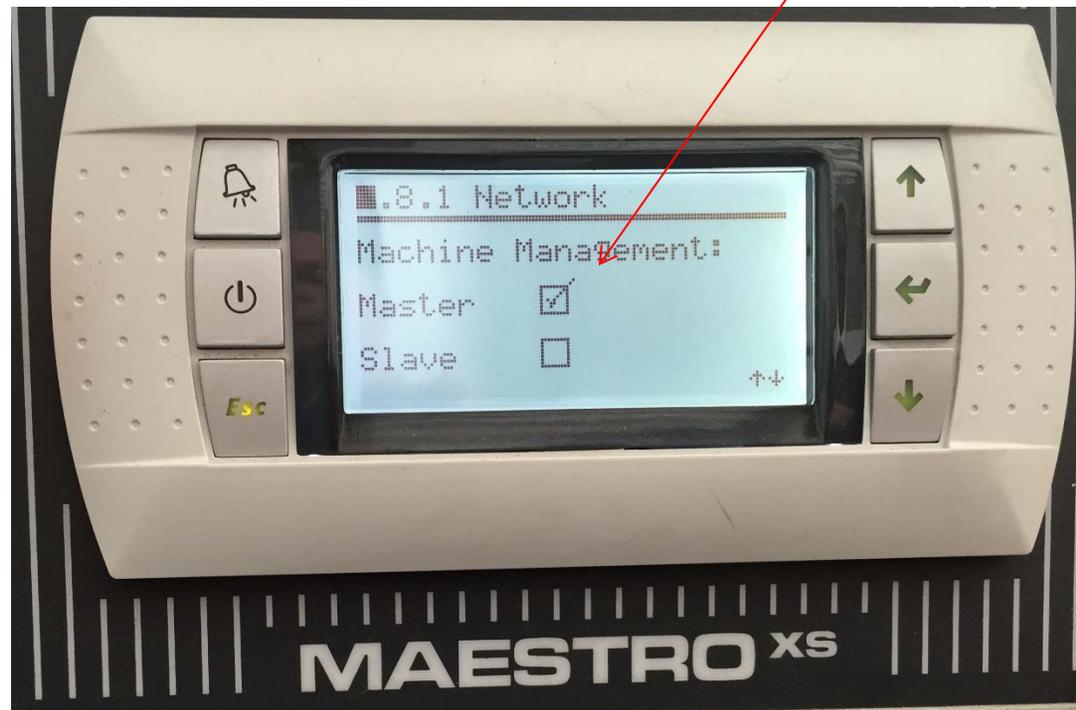
Step 2. Using up/down arrows scroll to “Enabling” and press “enter < ↵ > key”



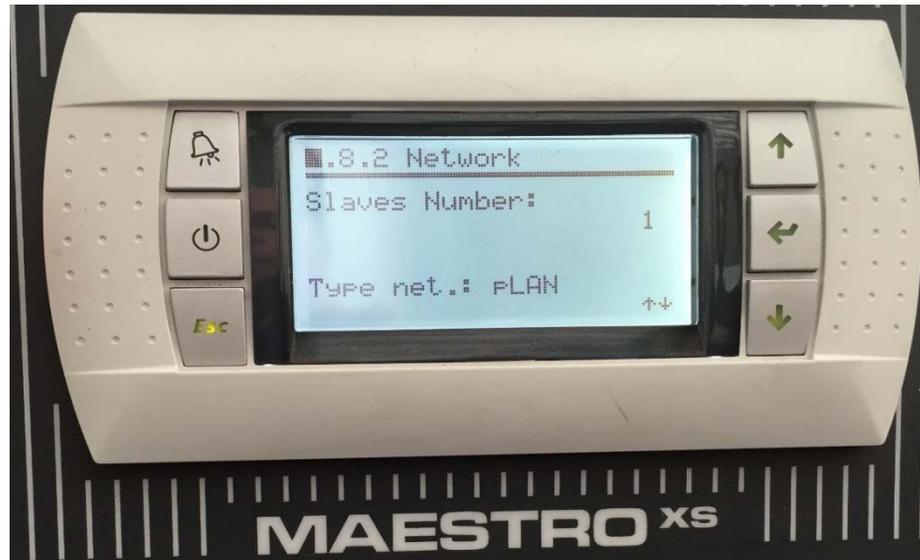
Step 3. Using down arrow move cursor to place check mark for yes on "Network" 2.2.2 screen by pressing "enter < ↵ > key". Then press "esc"



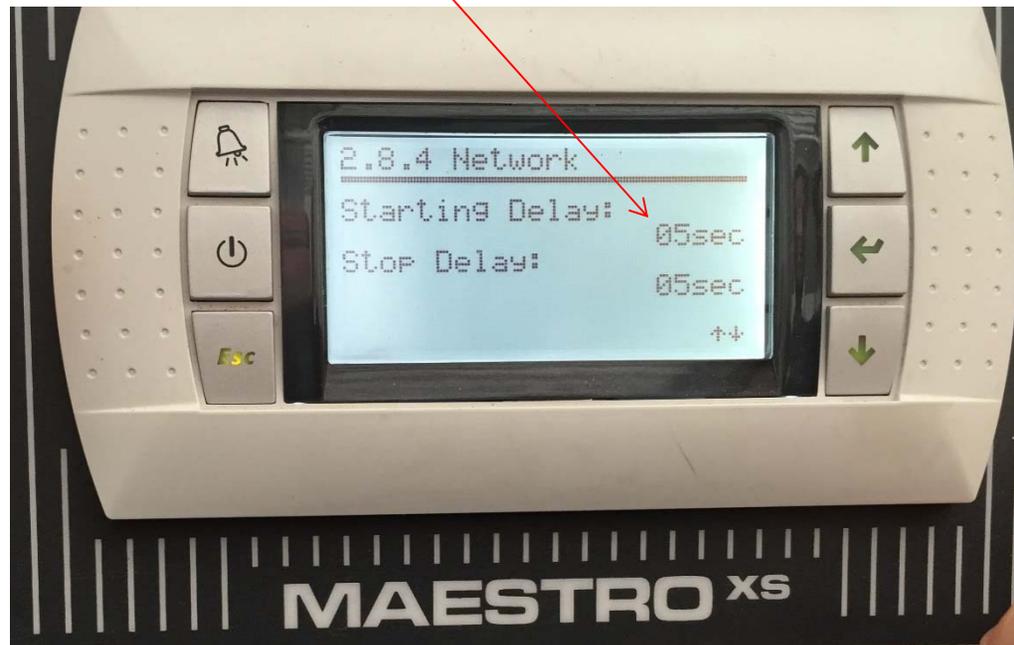
Step 4. Scroll to "Network" screen 2.8.1 confirm machine is set as "Master", press "esc"



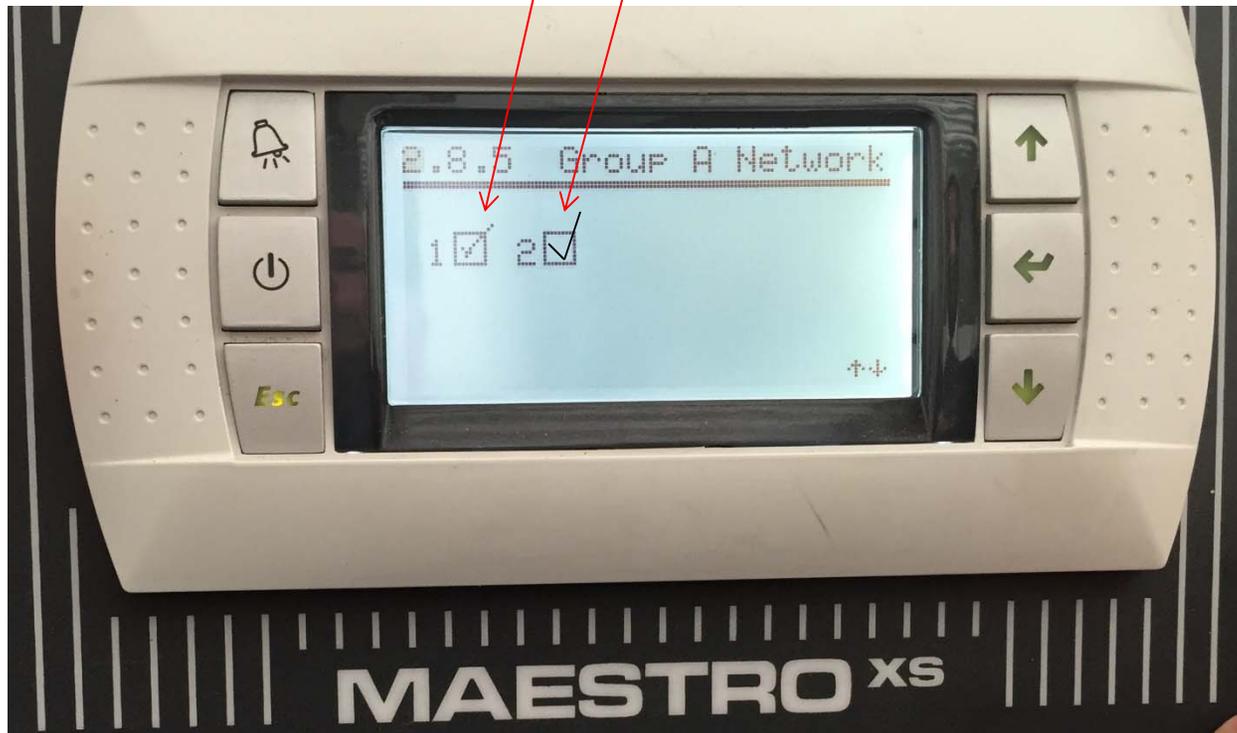
Step 5. Using down arrow scroll and confirm the following screen shots.



Step 6. **Absolutely must Change** “Starting Delay” to “30” seconds. (This will cause alternating compressor to delay startup for 30 seconds giving running compressor time to build air pressure above the minimum pressure setting only starting the alternate compressor if actually needed.) If you do not adjust this setting second compressor will start and run if pressure stays below minimum pressure setting for more than 5 seconds. It takes more than 5 seconds for the machine to start producing air, so **CHANGE THIS setting!!** ☺.



Step 7. Check **BOTH** 1 and 2 for Group A Network



Step 8. In this example no group "B" is utilized. Both boxes should show "X". press "esc"



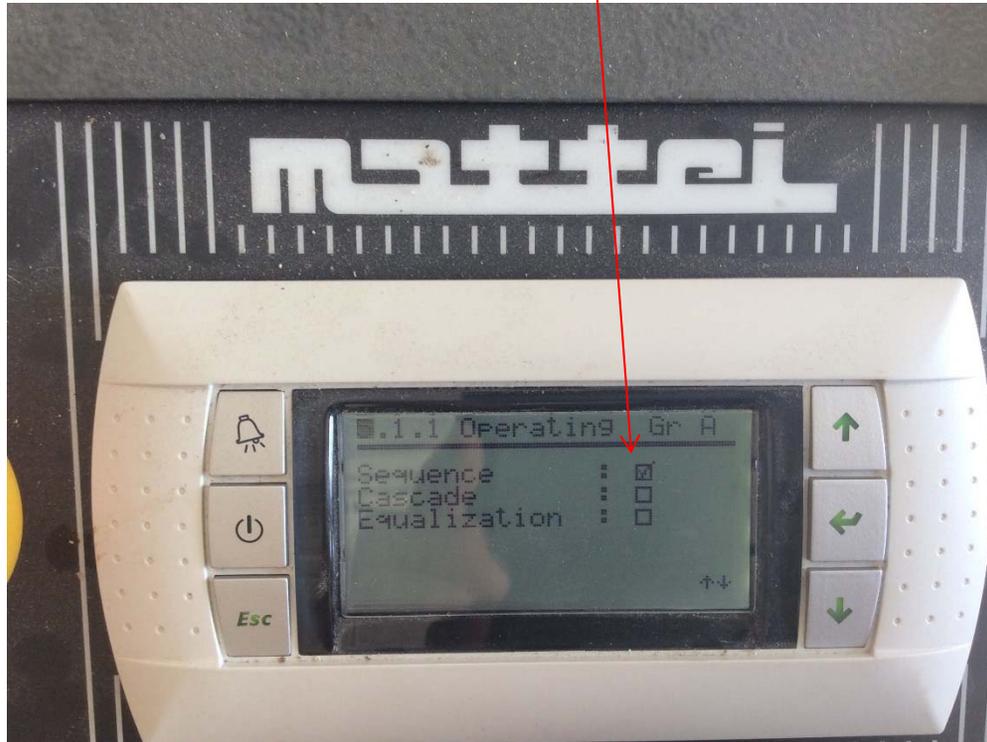
Step 9. From 0.0 Monitor menu scroll to 5.0 LAN press “enter < ↵ > key”



Step 10. On Group A press “enter < ↵ > key”



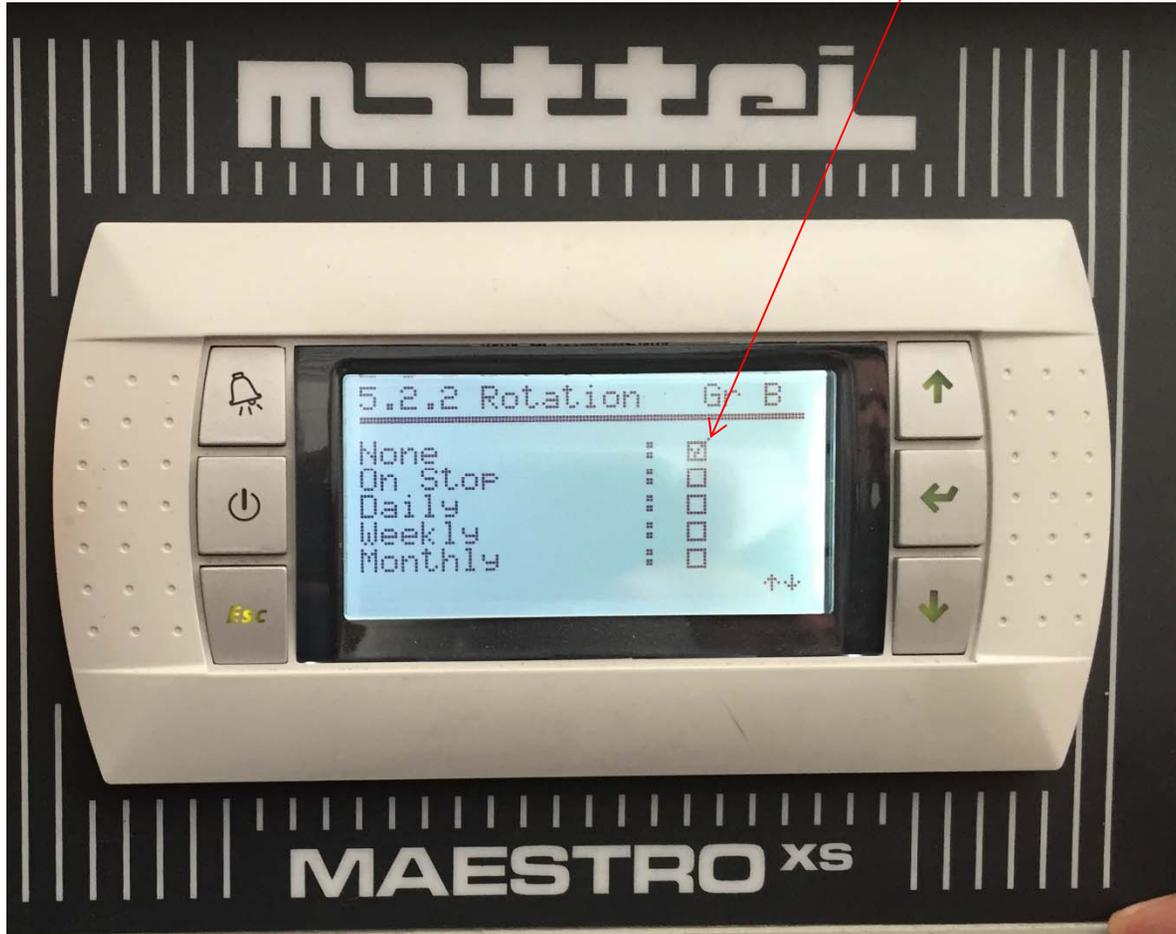
Step 11. Set Group A operating to “Sequence” (or preferred setting) then using down arrow scroll to next screen.



Step 12. Set Compressor Rotation to “ON Stop” (or preferred setting).
Using down arrow key scroll back to menu position and press “esc”.



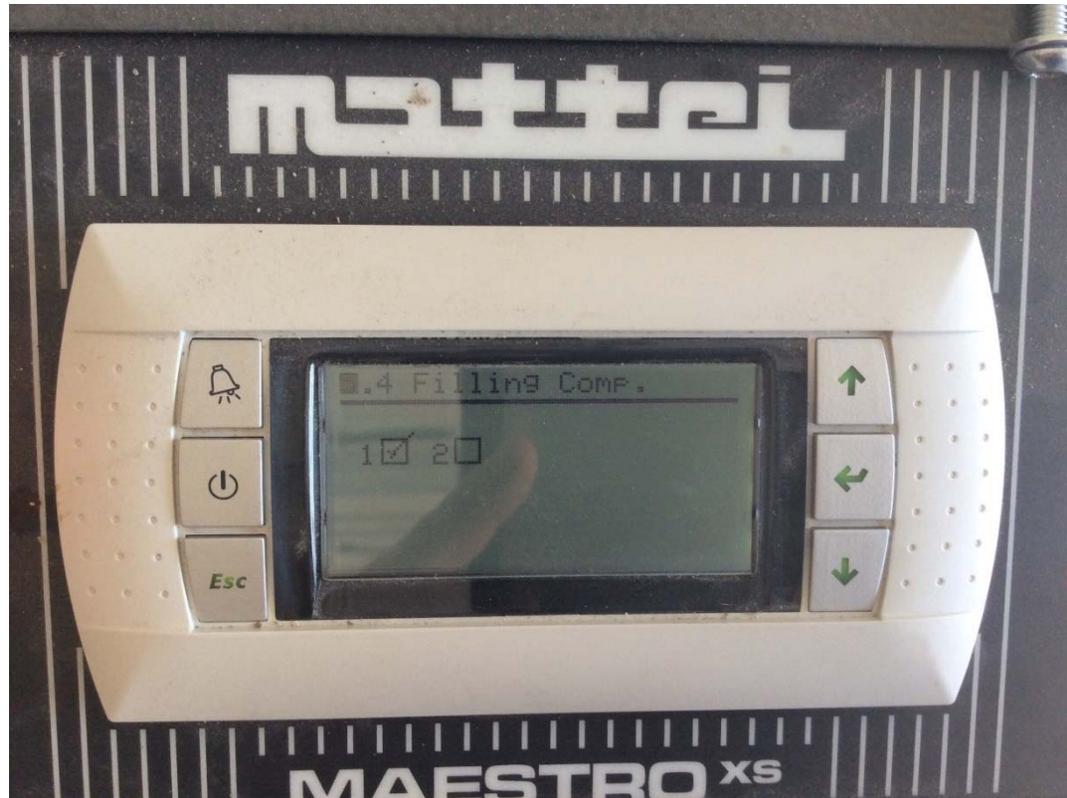
Step 13. "5.2.1" Group B should be marked "none"
"5.2.2" Group B Rotation should be marked "none"



Step 14. "5.3" setting will be **"A" ONLY** (NOT A + B, or B + A, Etc.)



Step 15. Choose Filling compressor (1 or 2) on screen 5.4



Step 16. In user menu set minimum and maximum pressure settings and minimum run times.

Step 17. After each Slave machine **AND** Master is programed connect cable to 49/50/51/52 terminals on each compressor in network.

