SUPPLEMENT FOR WIRELESS COLUMN OPERATIONS

The Mohawk Wireless Mobile Post Addendum is supplementary to Mohawk's MP-18/24/30 Series Touchscreen Installation & Operation Manuals. Lift operators should read and understand the entire Installation & Operation Manual and this addendum prior to use.
The lifts should not be operated by an individual who has not read this full Addendum and respective full Installation & Operation Manual.

WIRELESS MOBILE LIFT SET – UP

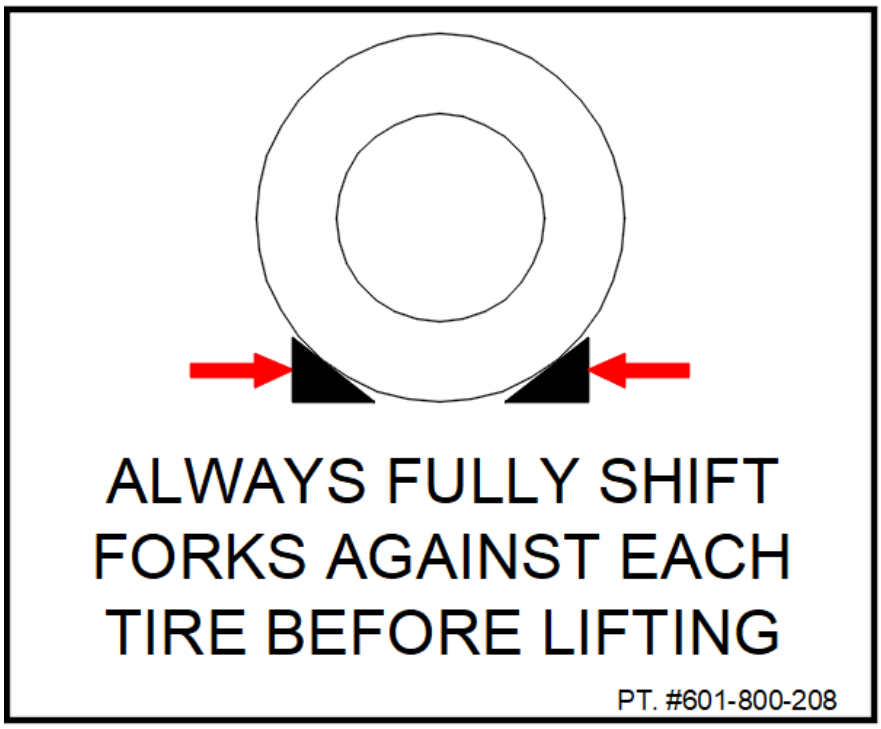
THOROUGHLY READ THE ENTIRE OPERATING MANUAL AND THIS SECTION BEFORE OPERATING THE LIFT. IF YOU HAVE ANY QUESTIONS GET THEM ANSWERED BEFORE PROCEEDING. REFER TO ANSI/ALI ALOIM "SAFETY REQUIREMENTS FOR OPERATION, INSPECTION AND MAINTENANCE."

1. Be sure that the floor is strong enough to support the lift before operating. Minimum recommended flooring is 4 ½" thick concrete with 3000 psi compressive strength on grade. It is not recommended to use the lift on asphalt surfaces.

2. The lift should be operated on a flat surface (3 degrees or less slope across the entire base of the lift, inclusive of the wheels at the base of the column) and away from concrete imperfections (holes, cracks, seams). If there is a slope of more than 3 degrees (1 inch decline over 20 inches) or concrete imperfections, do not operate the lift. Relocate to a flatter surface.

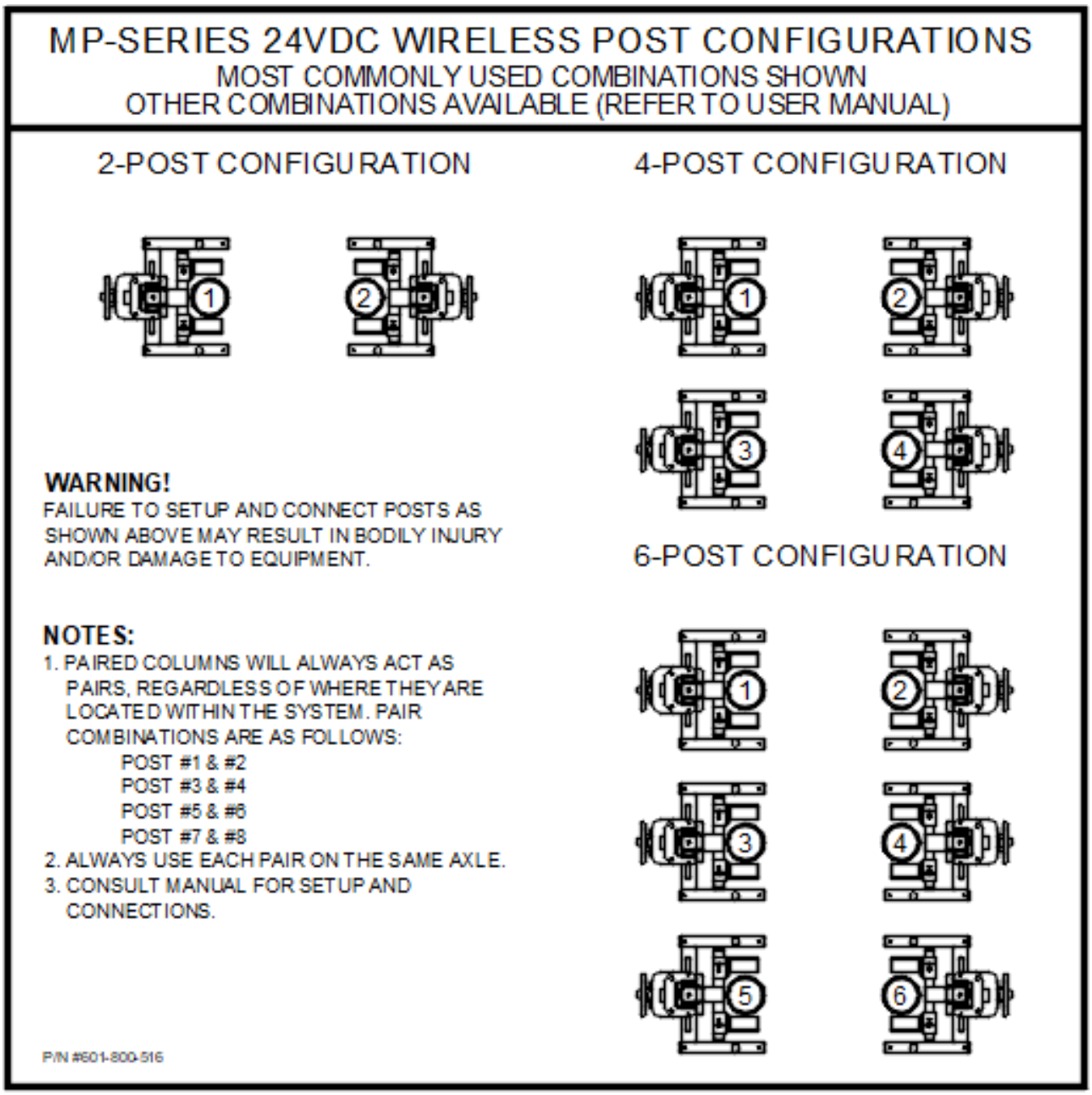
3. Verify adequate ceiling clearance to raise the vehicle without the top of the vehicle coming in contact with any obstruction. If necessary, measure the lowest point to determine how high you can raise the vehicle. Minimum height required is tallest vehicle height plus 67 inches. Alternately a maximum lifting height can be programmed to a lower height.

4. Prior to pairing posts, ensure posts pairs are used on the same axle. (Post Pairs are 1&2, 3&4, 5&6, 7&8). Push the cradle forks of each post around each tire. Be sure to push them in as far as possible, yet please notice tire bulge at the bottom of the tire, or any protrusions from the hub such as larger lug nuts. The wheel rim should be larger than the opening in between the forks. If not, reduce the distance between the lifting forks. Ensure that the adjustable forks are equally spaced and centered on the lift carriage to avoid an offset load. See figure below. Ensure that fork pins are fully inserted in holes of fork tubes.



5. Press the release lever to lower all jacking wheels on back of all posts after positioning and ensure posts metal bases are firmly in contact with the concrete.

6. Activate columns as shown below.



7. Once columns are properly positioned (with all lifting forks equal distance from the center of the lifting carriage), activated, and surrounding area has been cleared of hazards (including, but not limited to people, equipment and overhead obstructions), raise the lift 3 to 6 inches then stop raising. Visually confirm all columns are lifting properly and all tires are fully engaged.

SYSTEM ACTIVATION

As each post is turned on, they present either the “Security Control Screen” or “Post Activation Screen”. If passwords are enabled, the security screen will present (see “Security Control Screen” section). If passwords are disabled, the “Post Activation Screen” will present.

Post Activation Screen

The user must configure the post to form a complete system with other columns. In completing the system, the configuration should be set to the same wireless channel. The choices of wireless channels (Ch) are 1 to 99. Once the configuration is complete on all posts on the network, the user may activate and operate the system.

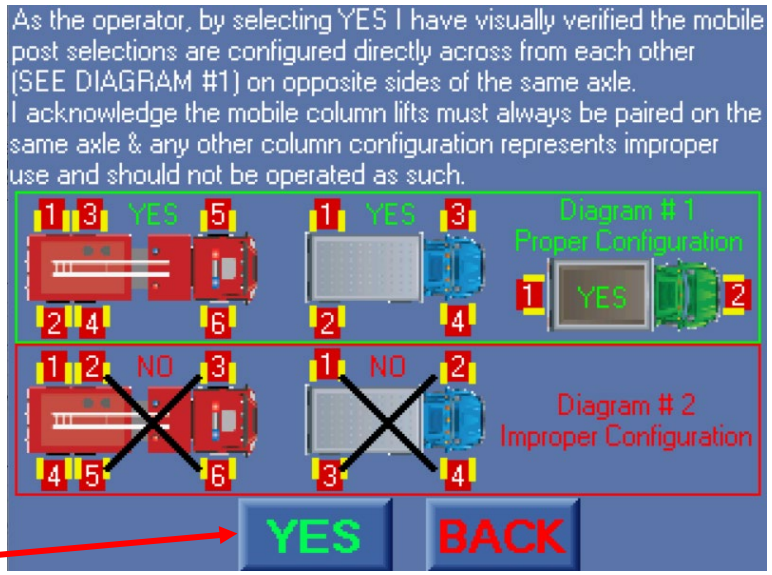
The example screen to the right shows a system of 4 fully configured posts, Post 1 is highlighted because that is the screen you are using. All Post identification number’s slightly dim in coloration when a message is sent or received from any other column.

Confirm Activation Screen

After identifying each post, the lifts will ask a confirming question of the number of columns in the system. User must confirm each post’s location and pair being careful to always use the same pair of columns on opposite sides of the same axle.

A breakdown of proper physical placement of numbered posts is shown to the right, note all even numbered columns on the same side and all odd numbered columns on the opposite side of the vehicle. Each pair of consecutively numbered columns (1 & 2, 3 & 4) engages the same axle on the opposite sides.

Press yes to activate the system.

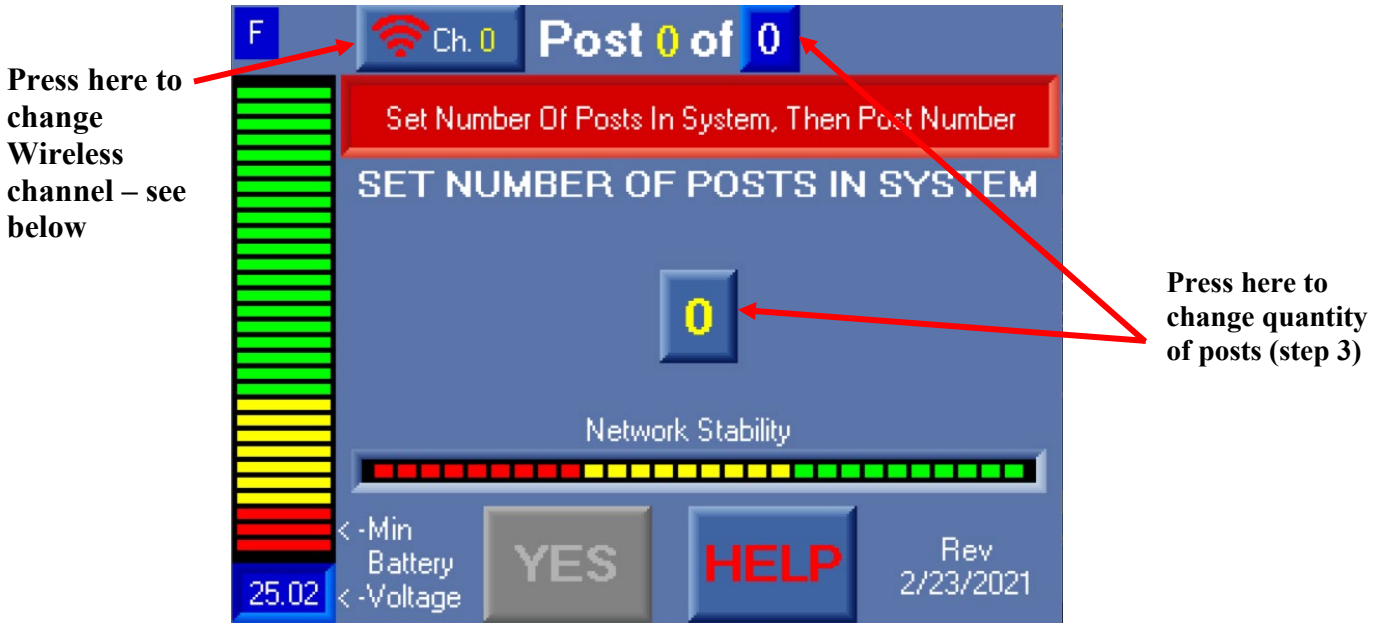


Configuring the Posts for Activation

Use the following steps to complete post configuration. See next sections for details.

1. **Reference "Post Activation Screen" on page 4, in order to check lift setup according to the corresponding section of this manual below.**

2. **Check wireless channels (Ch.) number (0 to 99). Posts will only detect and form a system with other posts with opposing columns set up on the same wireless channel (Ch.).**

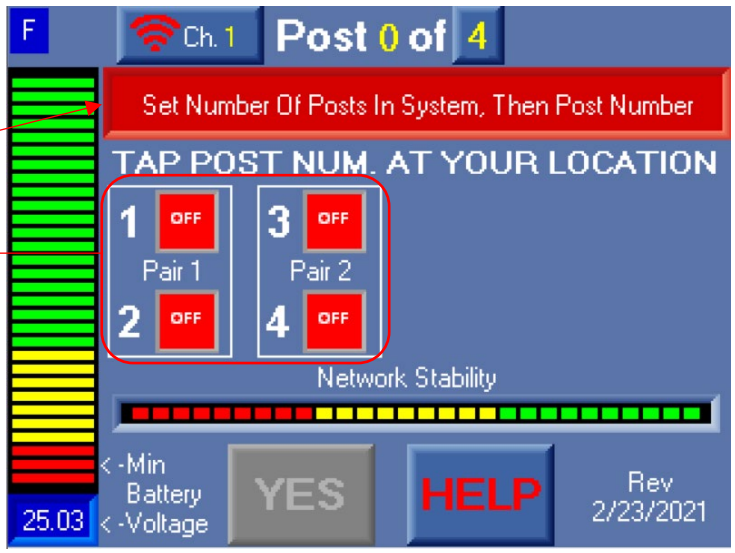


3. **Set the expected number of posts in the lifting system (0 to 8).**

4. **Verify the physical location of the post with respect to its pair and others in the system.**

5. **Tap an available "OFF" indicator to set the post number.**

RED status Indicates columns are not all configured



GREEN status Indicates columns are configured

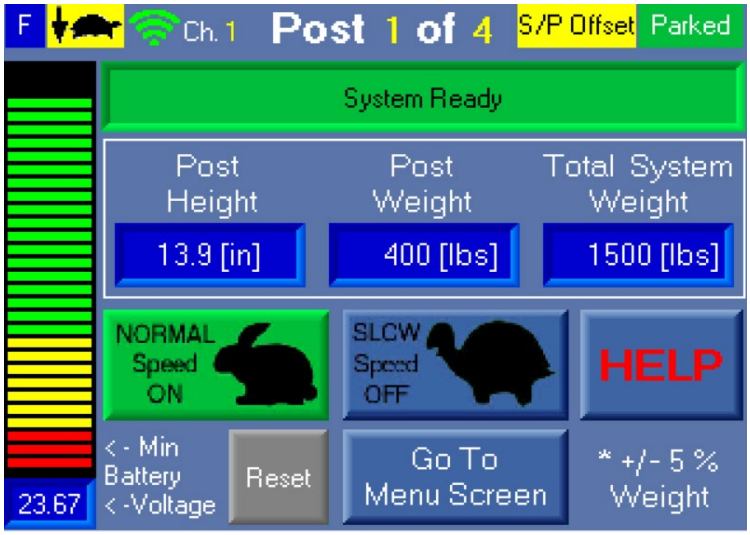
Press "YES" to activate the system

Press Help to display activation and communication help pages.

RUN SCREEN

The RUN SCREEN displays information about the lift status and presents basic operational controls. The lift will automatically return to the RUN SCREEN when the lift is in motion. A description of selected screen element is provided below.

Security Level:
Most often lifts are used unsecured manner, meaning end users do not need a password.



F Shows the current security access level U= User, S = Supervisor, D = Distributor, and F = Factory.

A red "X" indicates that the post is unsecured and may only receive move messages, not issue them. If the "Security Level" indicator is not shown, the lift is operating in free usage mode.

Level Control Status:

Indicated that his post's movement has been slowed or paused to maintain system level.

"Channel (Ch.) #1 to 99":

The GREEN wireless indicator shows that the lift is connected and the wireless channel that this lift is connected to. If wireless indicator is Red there is an off number of posts in the system or the system is not communicating.

"Post 1 of 4":

Displays the post address of the viewed column and the total number of columns the system.

"Single / Pair Offset":

An offset allows to lift or set the front and rear in order to install high reach jack stands. If present, this post has a single / pair offset applied to its height. Check the "Heights" screen to check single / pair offset value. Single / pair offset is reset when the post is fully lowered.

"Parked":

A lift should always be used in the parked position with the load sitting on the mechanical locks. Parked verifies there is no hydraulic load in the hydraulic lines or in the cylinder.

Parked also appears when the lift has been fully lowered to the ground.

Status Banner Messages

"Low Battery Warning"

The post battery is getting low and should be recharged. If the lift is raised, it should be lowered before operations is disabled.

"Low Battery Shutdown"

The Post battery is too low for operation and must be recharged before further use.

“Low PLC Battery”

A PLC (Programmable Logic Controller) is a computer that controls the lifts. Contact Mohawks service team for more information on replacing the battery. The PLC contains a CR2450 coin cell battery to retain memory when the PLC is off. This coin battery is to be replaced every 3-5 years and is located inside the programmable logic controller.

“Communication Problems”

If a Post has lost communications to another post in the system, then the system must be reactivated to continue use of the lifts.

The post numbers on the banner, identifies which column has lost communication.

If no specific post is identified, another issue such as another post being added to an already activated set of columns may be the issue.

“Post Number Already Used”

If post numbers are not unique on the same network channel (for example if there are two posts on channel (Ch) 1 named post 2) the system cannot be activated until all posts use a unique post number.

“Wireless Channel Already Used”

This message appears if a non-active post is connected to the same wireless channel as already activated posts. To join a new post to a network, all posts must be re-activated together with the correct configuration.

“Post # Configuration Error”

Indicates that another post in the system has a configuration keeping it from being able to activate, such as a mismatch between number of expected and detected posts.

“Set Post Number and Number of Posts”

The number of expected posts is set to 0 and / or post number has not been set.