PTZ Mover with HandHeld Remote Control
Setup and Operators Guide

11/01/2023

Contents

Package Contents

Quantity	Description
1	Handheld Remote Control
1	Stand Assembly
1	+24V Wall Power Supply
1	100 foot RJ45/Ethernet Cable
1	Baseplate
1	1” diameter convoluted tubing
1	Ceiling Mount bracket
1	PTZ Camera Plate Adapter Assembly

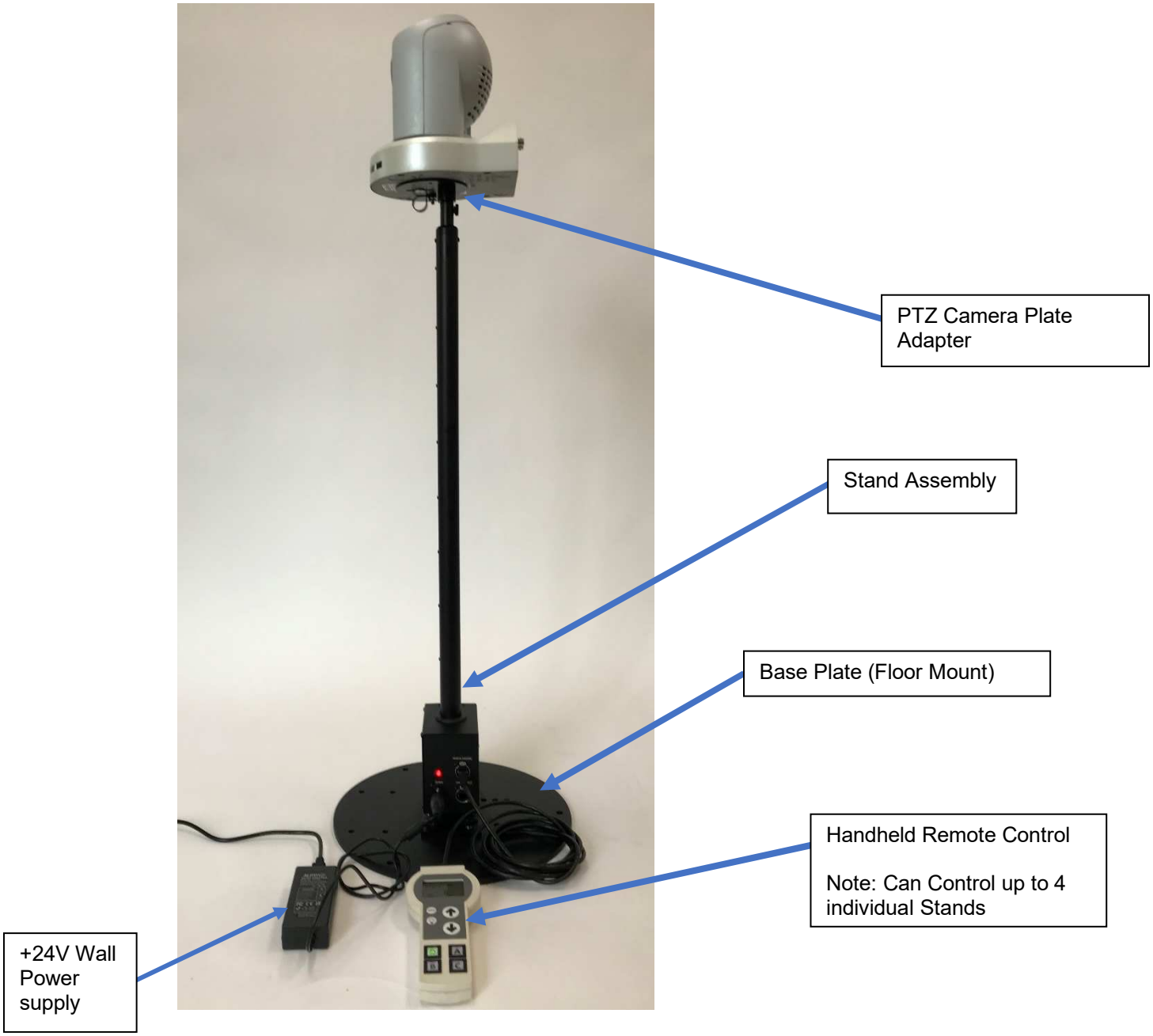


Figure 1: PTZ Mover with Floor Mounted Baseplate

Figure 2 : PTZ Mover with Pipe-grid Ceiling Mount Bracket

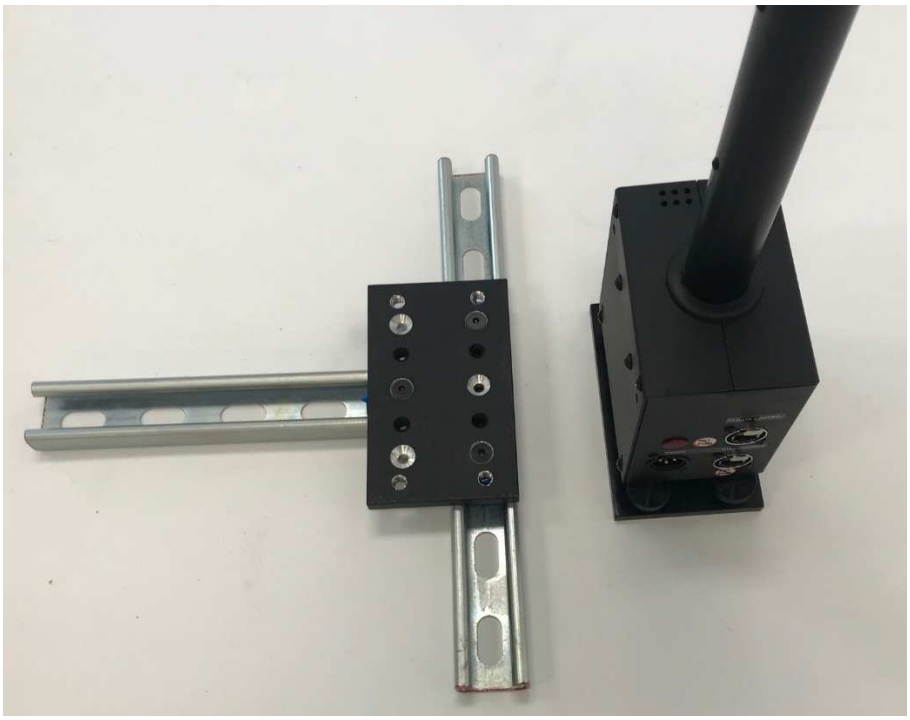


Figure 3 : PTZ Mover with Uni-strut Ceiling mount

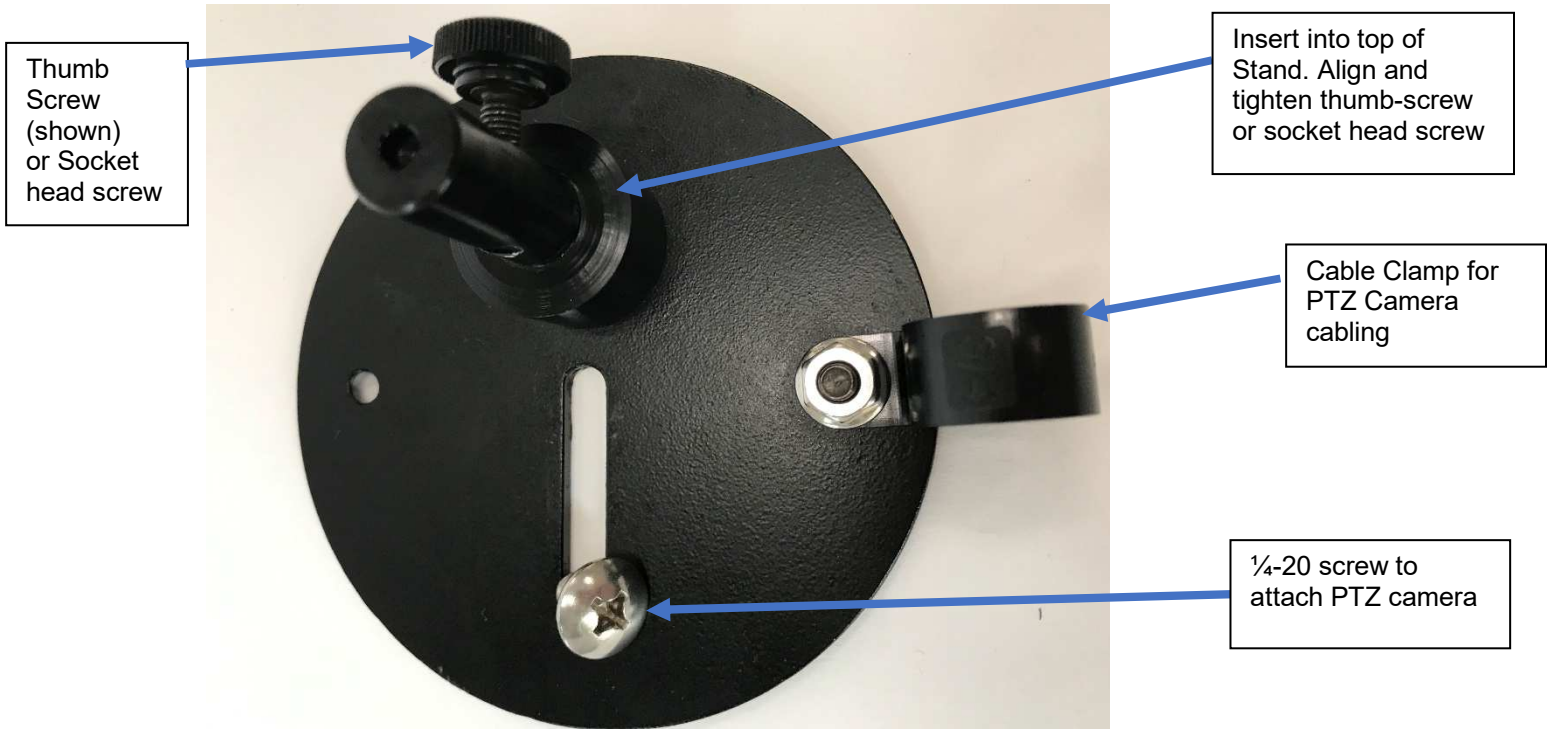


Figure 4 : PTZ Camera Adapter Plate (bottom view)

System Setup

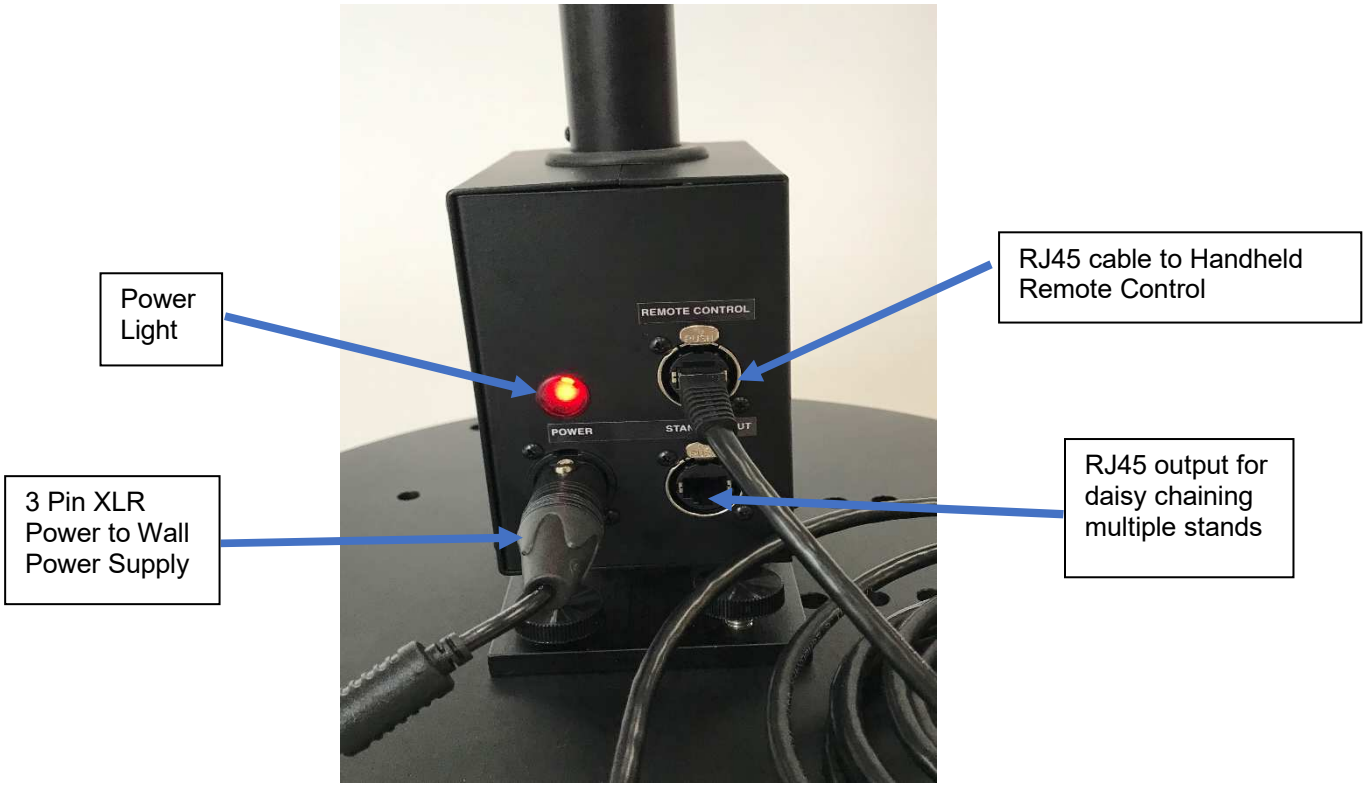
1) Remove the stand assembly and place it either on the baseplate or on the Ceiling Mount bracket. Align the stand's 4 thumbscrews to either the baseplate or ceiling mount threads and tighten the 4 thumbscrews

2) Unpack the PTZ Camera Adapter plate and place inside the top of the stand. Align and tighten using either the thumb screw (shown) or black socket head screw.

3) Use the ¼-20 screw to attach the PTZ Camera to the adapter plate

4) If desired, use the included convoluted tubing along with the attached cable clamps on the PTZ Adapter plate and Stand base to route the cabling from the PTZ camera

5) Cable the Stand assembly, Wall Power supply and Remote Control as described below



6) Plug the RJ45/Ethernet Cable into the Stand's **"Remote Control"** input.

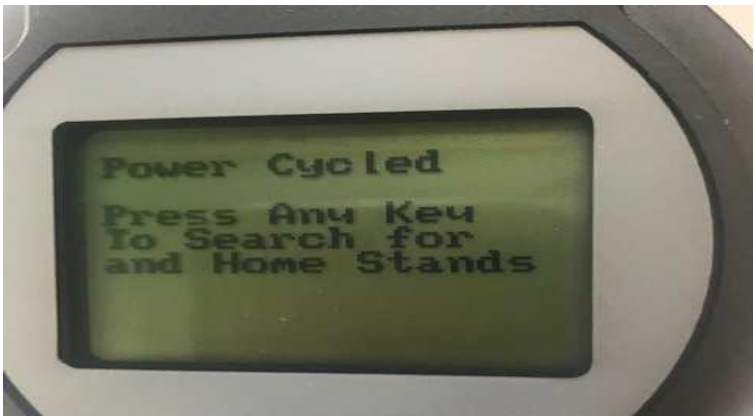
Note:
A 100 foot cable is included, if a longer cable is required, any Cat 5 or higher Ethernet cable can also be used, up to 1000 feet.

Do not plug the Ethernet cables from the Stands and/or Handheld Remote Control into any other Ethernet devices: PoE, Routers, PC … The +24V power could damage these devices. Also, connecting to a Power over Ethernet (PoE) device can damage the PTZ Booster

7) Plug the RJ45/Ethernet Cable into back of the Remote Control. The other end of RJ45 cable must be plugged into the Stand's "Remote Control" RJ45 connector.

8) Connect the 3-pin XLR power connector to each stand('s) **"Power"** input. Plug the AC power cord into the IEC connector on the +24V supply and the remaining end into a wall outlet. The Red power light should be illuminated.
9) When the Stand(s) power is applied, the following will appear on the Remote Control's display. Note the firmware version and backlight, and the preset buttons will briefly illuminate.

10) The display will then show the following:



11) Make sure all Stand(s) are powered up and cabled correctly. Press any key on the remote control to continue. When any key is pressed, the Remote-Control will search for any connected stand(s). After the search is completed, the following message will appear:

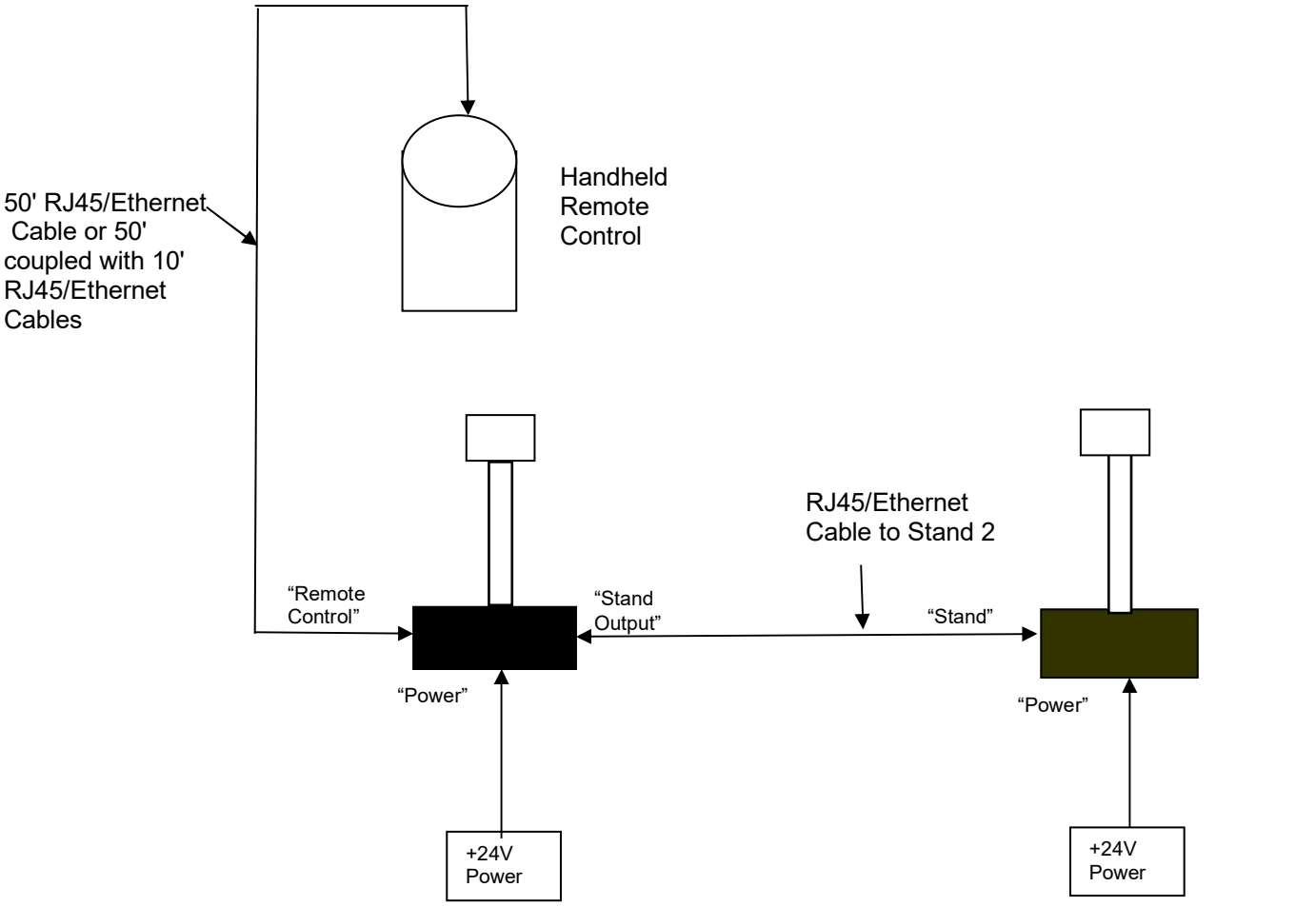
Note: Two stand configuration shown below

12) Verify the expected number of Stand(s) are found.

13) After the search, each Stand is sent to Home or “0” position.

14) Once homing is complete, the display appears as follows:
Note: Two stand configuration shown below

Figure 4: 1 and 2 Stand System -- Cabling Diagram



Operation:

Stand Operation is controlled by an 8-key remote control. Status is displayed on the LCD display.

Remote Control: Key/ Buttons Description

Key/Button	Function
Up	Moves Stand Upwards. Note: Display height is rounded to the nearest inch from the home or bottom position
Down	Moves Stand downwards
Backlight	Toggles Remote Control Backlight
Option	Allows for individual Stand control
Home	Moves Stand(s) to lowest 0 or home position
A	Preset position A, press to move Stand(s) to user set position A*
B	Preset position B, press to move Stand(s) to user set position B
C	Preset position C, press to move Stand(s) to user set position C*.

* 8,16 and 24 are the Factory Default Values for Preset Buttons A, B and C respectively . These can be customized as shown on next page.

Note: The LCD Display height is rounded to the nearest inch. The Up/Down buttons move the stand with greater resolution. Thus, two different actual heights can be preset, but have the same height displayed.

Preset Buttons - Home, A, B and C

There are 3 Preset and 1 Home buttons.

The Home button moves the active Stand, or Stands, to the lowest or home position. The button will be illuminated when pressed. It will also illuminate whenever the stand(s) are moved to the lowest position, or 0, using the Down key.

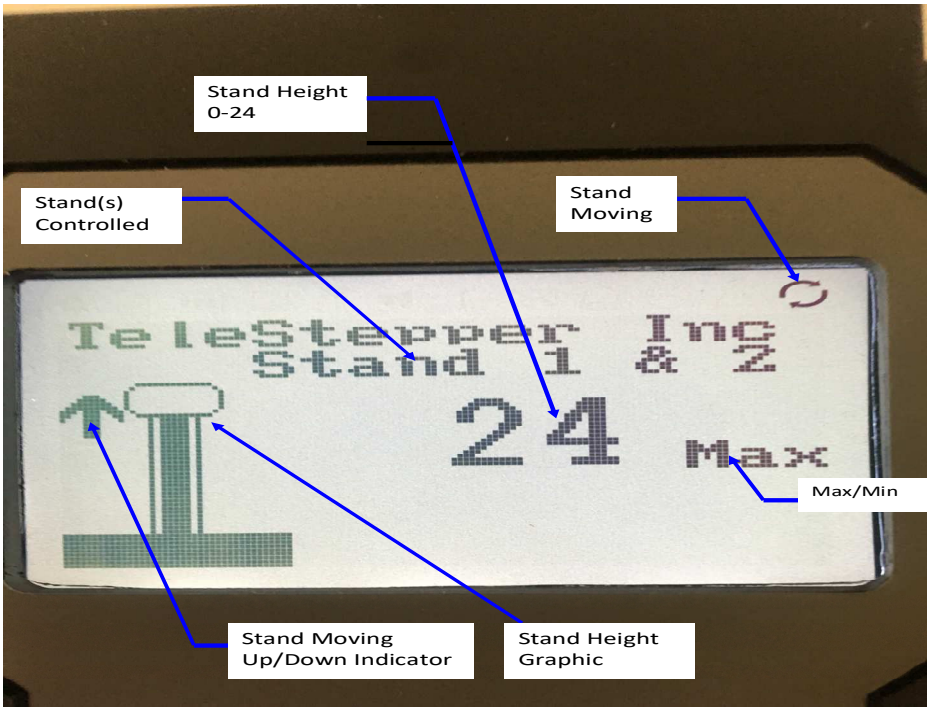
Preset A, B or C buttons will move the active Stand, or Stands, to the preset positions. The respective button will be illuminated when pressed.

To set Presets, first, move the Stand or Stands to the desired location with Up or Down buttons. Then, press and hold each button for approximately 3 seconds.
The button will blink, and “Preset A Set”, “Preset B Set” or “Preset C Set” respectively will indicate on the LCD at bottom of display. Once each button is released, it will stay illuminated.

Note that each preset is non-volatile, they will remain in memory after cycling the power. Also, each active Stand or Stands will have its own unique presets. That is, if Stand 1 and 2 are active, it will have a unique preset than if only Stand 1 is selected.

LCD Display

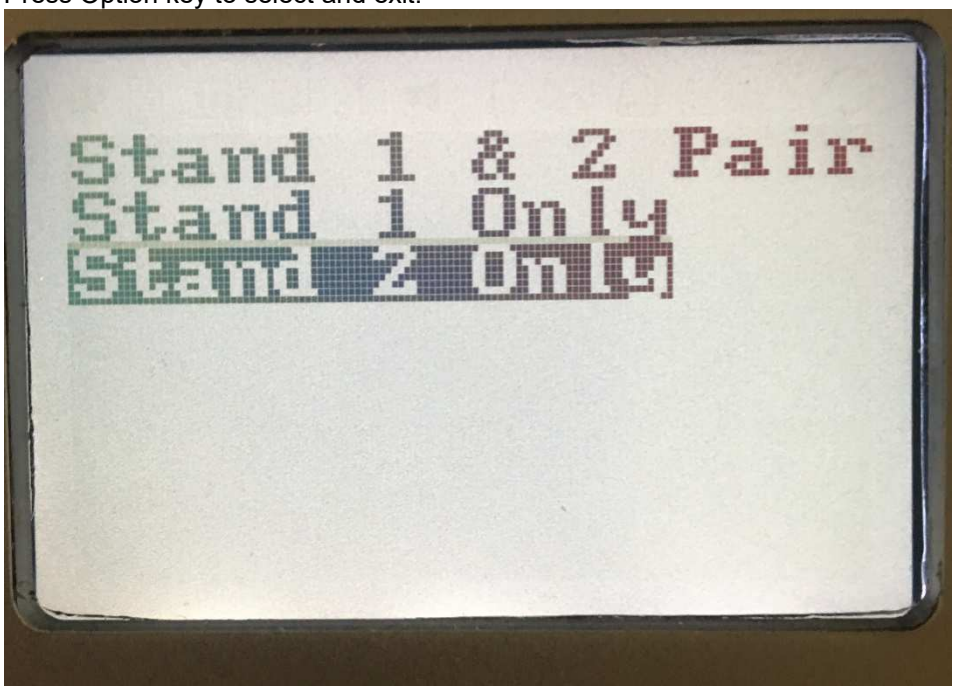
Section	Meaning
Stand Height	Stand height in 0 –24 inch increments. 0 = bottom position, 24 = top. Each increment is rounded to the nearest inch. **Note: Since the displayed height is rounded to the nearest inch , and the Up/Down buttons move the stand with finer resolution. Thus, two different actual heights can be preset but have the same height displayed**
Stand Height Graphic	Graphical representation of stand height
Stand Moving Circular Arrows	Indicates Stand(s) are moving
Stand Moving Up/Down Arrow	Indicates Stand(s) are moving Up or Down depending on arrow direction
Max/Min	Indicates system ignored Up or Down key press because it is at limit
Stand(s) Controlled	Indicates which Stands are currently being controlled by remote
Warning Indicator (Triangle Icon at top of display- not shown below)	System error has occurred
Error Message (not shown below)	Displays system error message at bottom of Display. Note: If error code displays, clear error code by plugging and unplugging remote. If error code persists, note error code and contact PresenterTek for assistance.



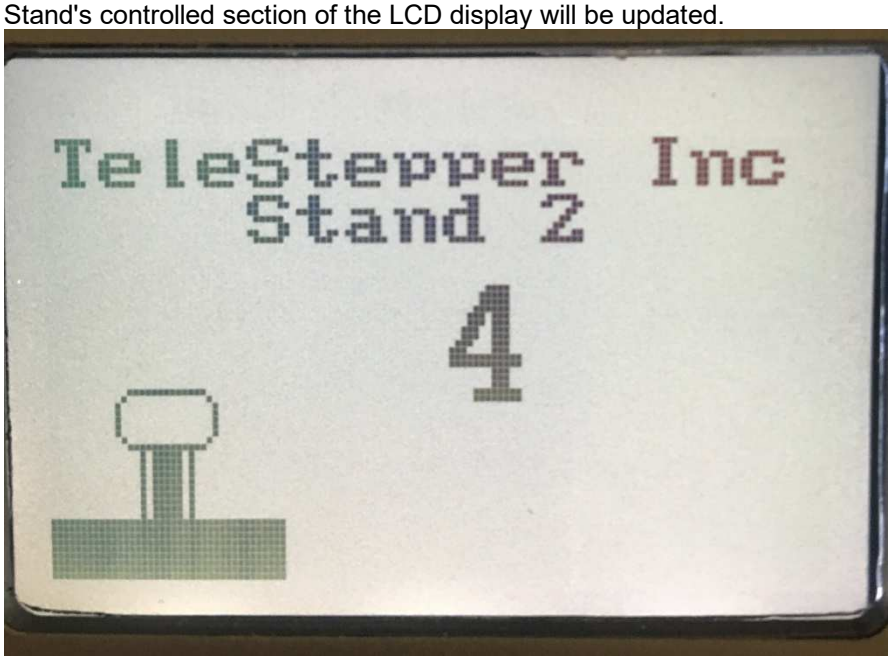
Controlling Individual Stands

Each Remote Control can control up to 4 Stands. Using the PresenterTek optional Stand Controller Software, up to 8 stands can be controlled. The description below is for a 2-stand system.

1) Press Option Key and the following menu will be displayed.
2) Use Up or Down arrow keys to highlight desired option.
3) Press Option key to select and exit.



4) Stand's controlled section of the LCD display will be updated.



Note; When changing from individual to multiple Stands, the Stand height displayed will be of Stand 1; the second Stand may be at different height.
For example, Selecting Stand 2 and adjusting height, then going to Stand 1 and Stand 2 control, the current height of Stand 1 will be displayed. Stand 2 may be at a different height.

Cabling for more than 2 Stands

The Remote Control can control up to 4 Stands. Using the PresenterTek optional Stand Controller Software, up to 8 Stands can be controlled. Contact PresenterTek to obtain the software and an optional USB converter box.

Note: Each stand is unique, referred to as Stand 1 and Stand 2. Stand 1 has 2 RJ45/Ethernet connectors, a “Remote Control” connector in addition to the “Stand Output” connector. The “Remote Control” connector provides power to the Remote Control. Stand 2 has a “Stand” connector and does not provide power to the Remote Control.

1) Set each Stand’s Address Switch and Termination Jumper as follows:
    a. Remove plug on back of stand to expose the address switch and termination jumper.
    Note: Plug can be carefully pried out of hole with a small flat head screw driver working around the circumference of plug.

    b. First Stand in chain, set to address 1, remove termination jumper.

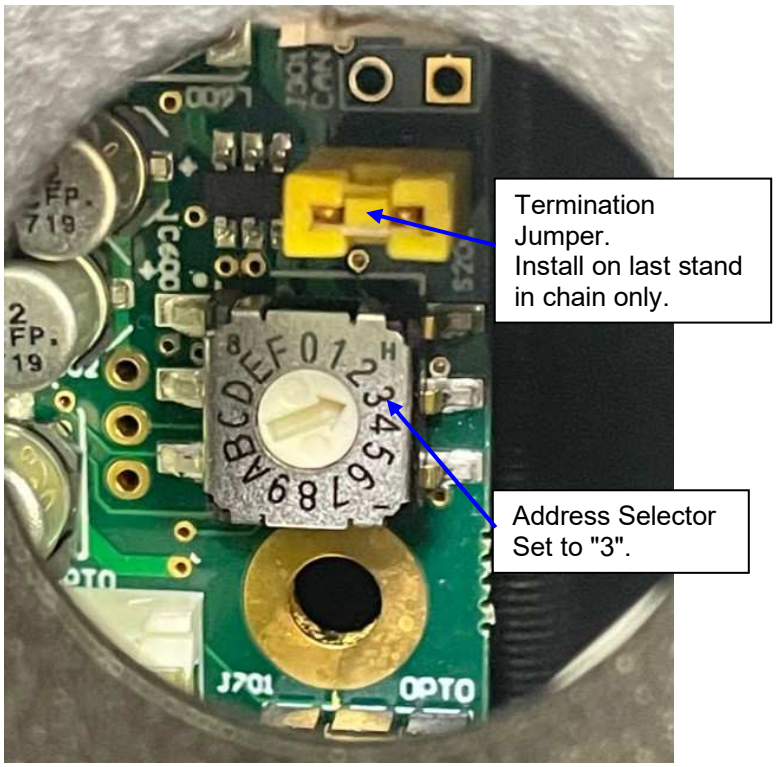
    c. Second Stand, set to address 2, remove termination jumper.

    d. Third stand, set to address 3 and so on. Use sequential addressing, address 1 for the first Stand, 2 for the second Stand, 3 for the next, etc.

    e. Each address is set using the rotary switch on the back of the Stand. Turn the switch using a small flat head screw driver. In the figure below, Stand 3 is set to address 3.

    f. Valid address switch settings are “1” through “8”. Do not use any other address. One stand must always have address 1.

    g. Install the termination jumper on last Stand in the chain (Stand furthest from the Remote-Control) in location shown below. Only the last Stand should have this jumper.
    Note: Remove jumper(s) if installed on any other stands using a pair of tweezers. For convenience, the jumper can be placed on one post to keep it from getting lost.



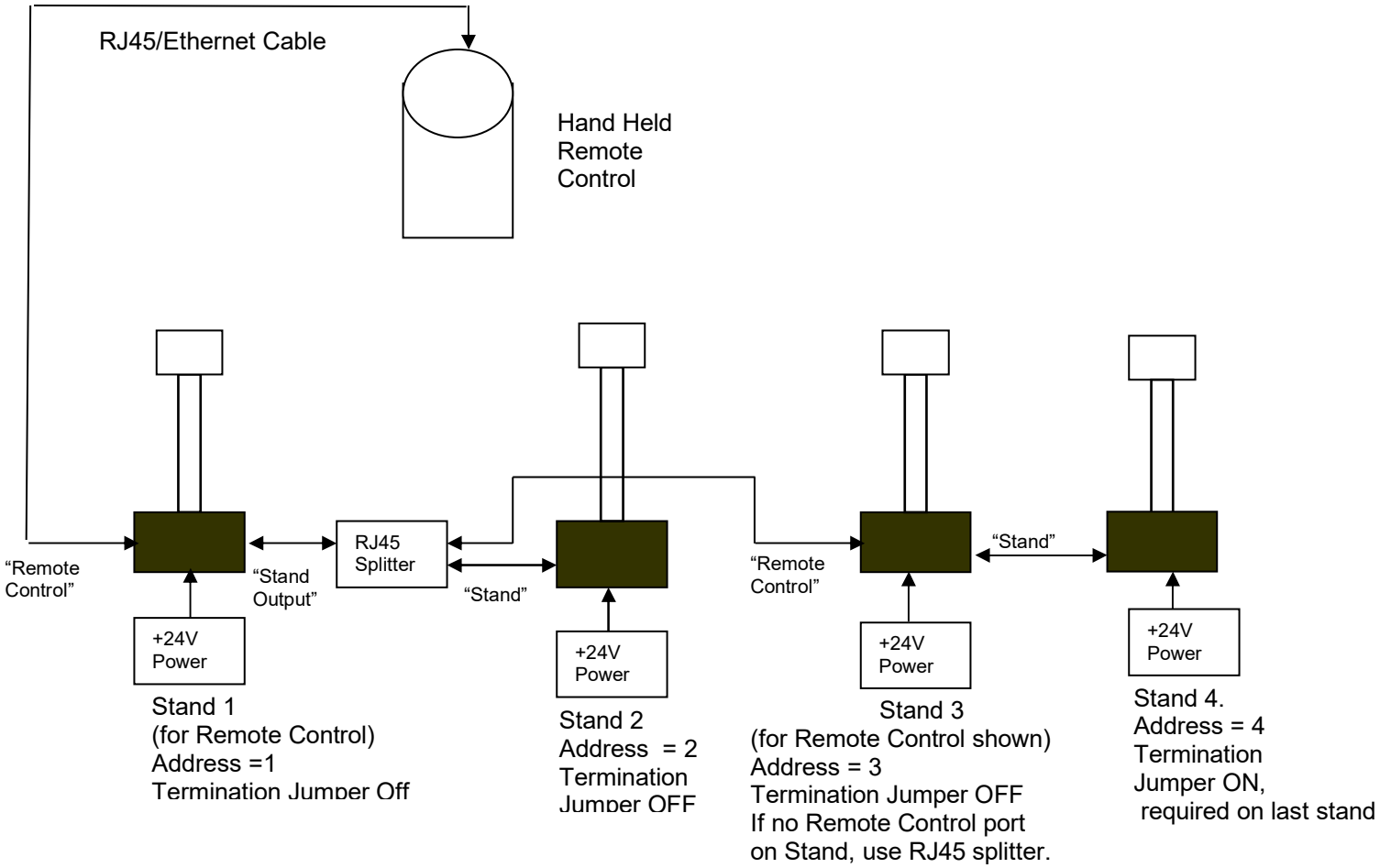
Stand Address set to 3, termination jumper installed

2) Using Ethernet Cables, wire system as shown in the diagram below.

Important: DO NOT connect two Stand 1's “Remote Control” RJ45 outputs together. It must be configured as shown in the diagram below:

a. Hand-held Remote Control to Stand 1 “Remote Control”
b. Stand 1 “Stand Output” to RJ45 Splitter
c. RJ45 Splitter Output 1 to Stand 2 “Stand” input
d. RJ45 Splitter Output 2 to Stand 3 “Remote Control” input
e. Stand 3 “Stand” to Stand 4 “Stand”, or RJ45 splitter if more than 4 Stands are daisy-chained

Figure 5: Daisy-Chaining more than 2 Stands -- Cabling Diagram



3) Connect the 3-pin XLR to the "Power” input for each Stand and apply power. Ensure Red power light is illuminated for each stand.

4) Ensure Stands are properly cabled and power is applied. If all cables are configured correctly, the following should appear, for a 4-Stand daisy chain on the LCD display. The correct number of stands found will appear on the LCD display.

“X Stand(s) Found”
Where X = 1 through 4, the number of stands connected

Demo Mode

To access a special demonstration mode, where all stands automatically move up and down, stopping at each of the 24 positions, perform the following:

1. Cycle power on Stand 1.
   Note: This can be done by removing the RJ45 connector at the Remote Control, waiting 10 seconds and re-plugging connector.
2. The LCD will display a normal boot-up sequence.
3. Once " X Stands Found " (where X = number of stands connected) appears on the display, press and hold the ""OPTION" key.
4. After all Stands have homed, A special Sub Menu will be displayed.
5. Use "UP" or "DOWN" keys to select "On".
6. Press "OPTION" key to select.
7. To exit "Demo" mode, cycle power on Stand 1.