

**TMA VERSION 1
USER MANUAL**

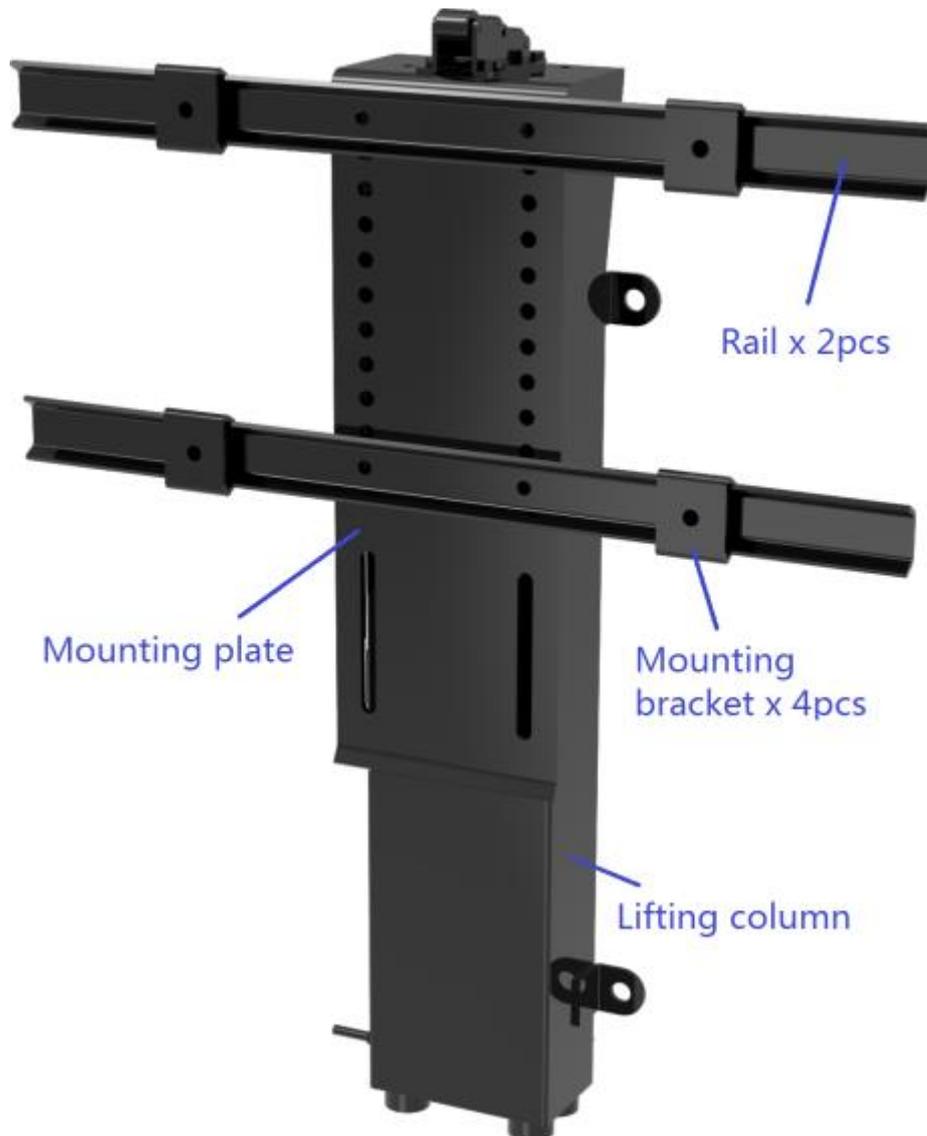
TV Lift System

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1. Overview

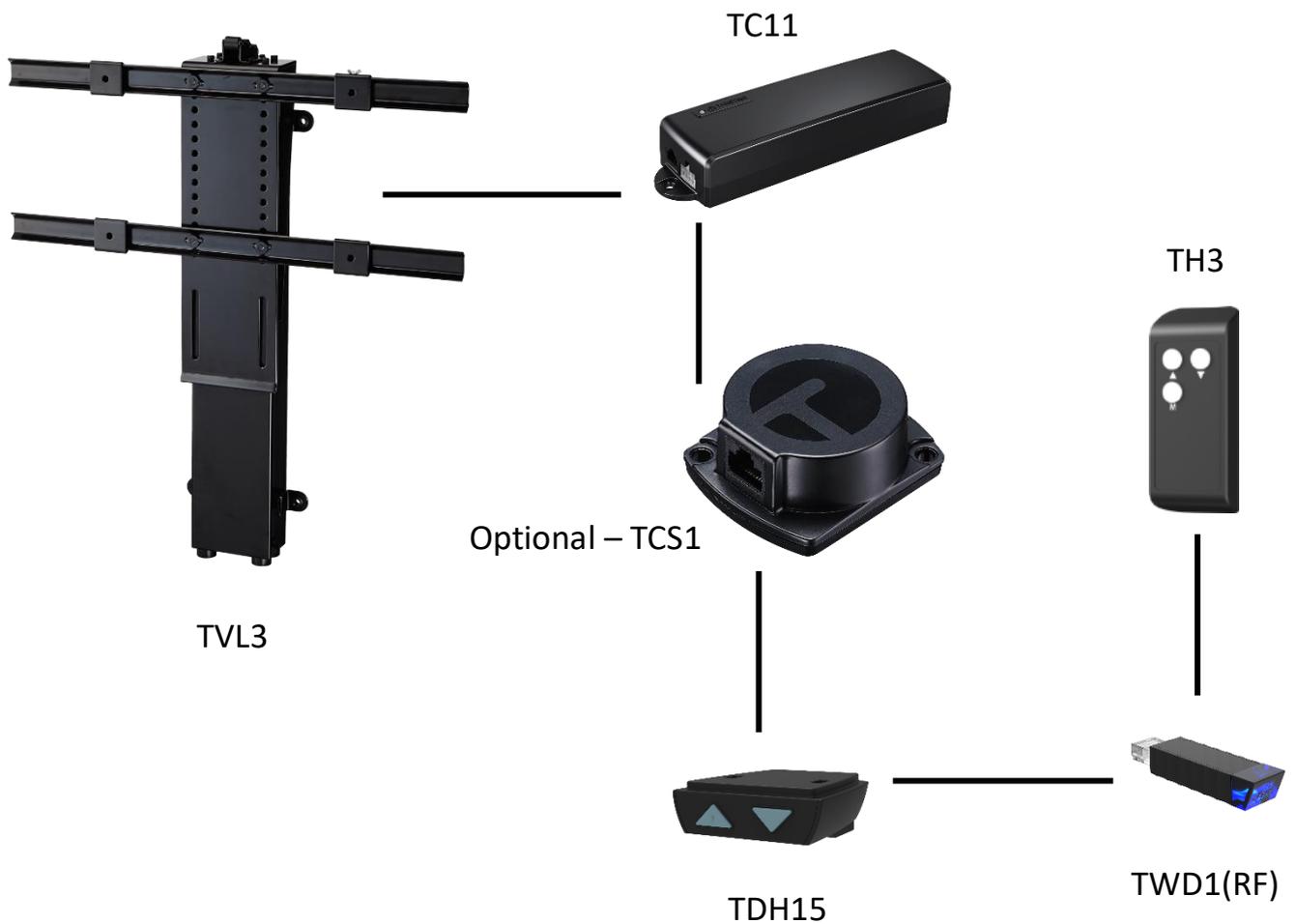
The TiMOTION TVL3 series columns are primarily designed for use as TV lifts but can be used in other applications that require vertical movement using a remote control. Our steel constructed TVL3 is available in three sizes depending on the requirements of the application. An extended height position can be programmed using our remote control.



2. System Introduction

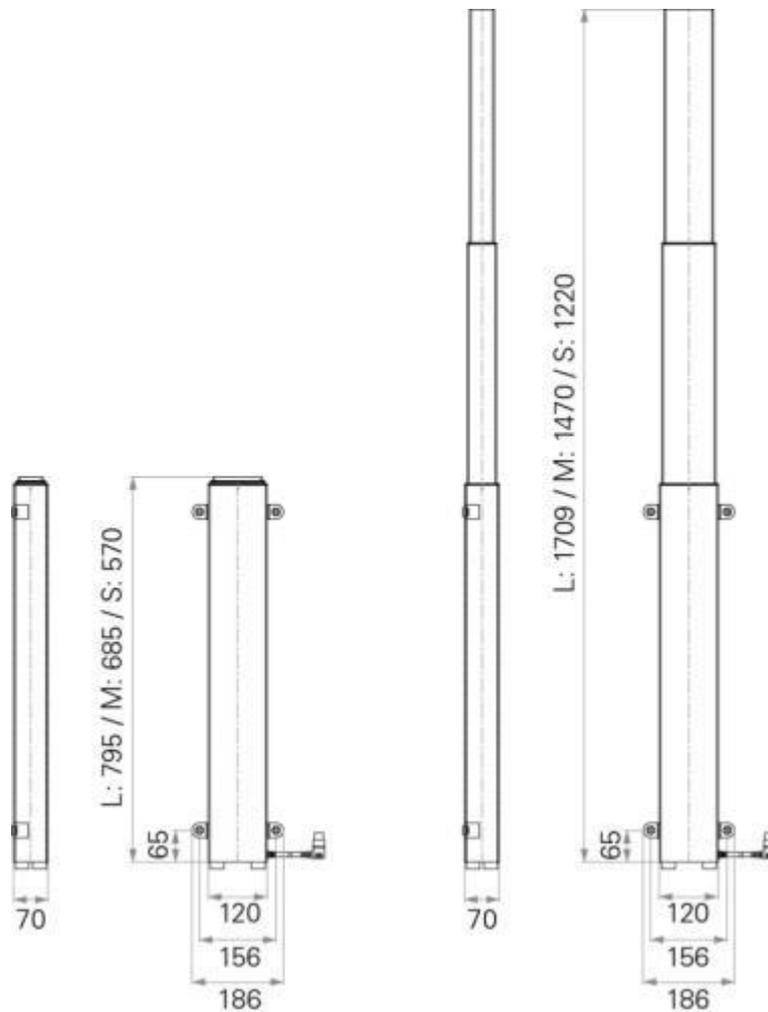
2.1 Package Contents

Descriptions	Model Name	Q'ty
Lifting column, mounting plate & rails	TVL3	1 set
Control box	TC11	1 pc
Wired control	TDH15	1 pc
RF control receiver (2.4G)	TWD1	1 pc
Wireless control-RF	TH3	1 pc



2.2 Specifications

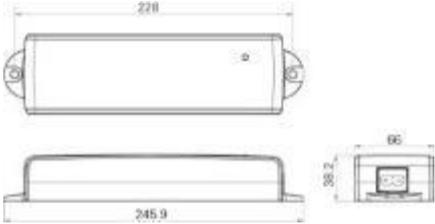
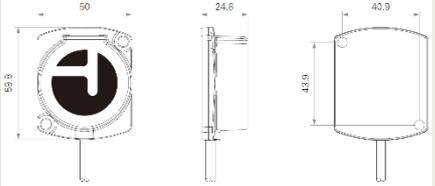
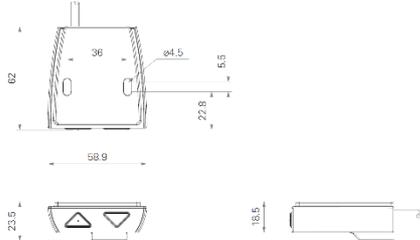
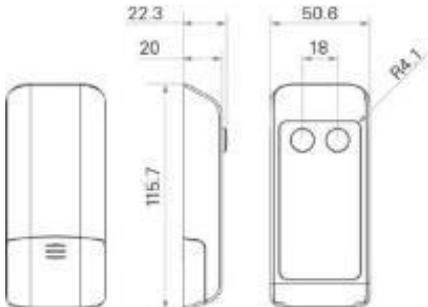
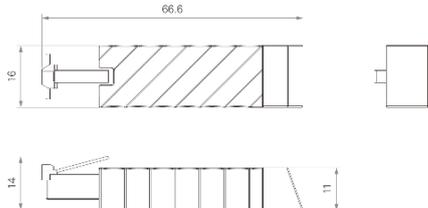
2.2.1 Lifting Column



Size	Retracted Length (mm)	Stroke (mm)	Fixing Hole Distance (mm)	Max. Load (N)	Speed (mm/sec)	Recommended TV Size (inch) (Note 1)
Large	795	914	650	600	<ul style="list-style-type: none"> ◆ 35 mm/s at no load ◆ 20 mm/s at full load 	50"~70"
Medium	685	780	545			40"~55"
Small	570	650	430			32"~43"

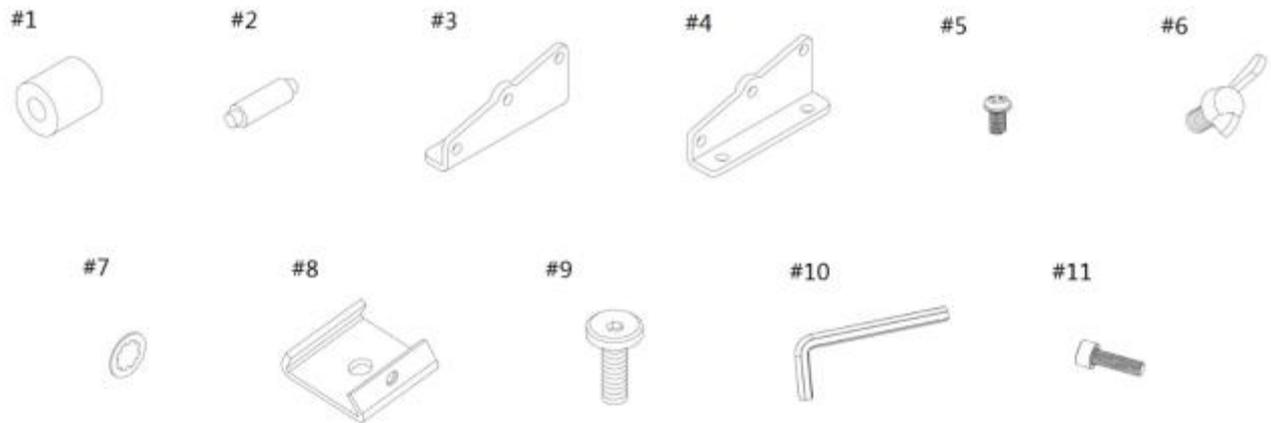
Note 1: Recommended TV size for reference only, please kindly ensure all measurements are accurate prior to install.

2.2.2 Electronic Components

<p><u>Control Box: TC11</u></p> <ul style="list-style-type: none"> ◆ 0.1W standby power consumption ◆ Soft start & stop function ◆ Overcurrent protection 		
<p><u>Optional accessory: TCS1</u></p> <ul style="list-style-type: none"> ◆ t-touch protection 		
<p><u>Wired control: TDH15</u></p> <ul style="list-style-type: none"> ◆ Simple up and down handset ◆ Used as a back-up control if the primary control runs out of battery 		
<p><u>Wireless Control: TH3</u></p> <ul style="list-style-type: none"> ◆ Maximum remote distance: 5m ◆ RF wireless control available 		
<p><u>RF receiver: TWD1</u></p> <ul style="list-style-type: none"> ◆ RF 2.4G ◆ A receiver to support RF wireless control 		

2.2.3 Component Package

No.	Description	Spec	Q'ty (pcs)
1	Wheel	Ø18* Ø8*20L	3
2	Shaft	Ø8* Ø8*28L	3
3	Shaft Holder-A	-	1
4	Shaft Holder-B	-	1
5	Screw-A	M5*8L	4
6	Manual Screw	M5*10L	1
7	Washer	M8	8
8	Mounting bracket	-	4
9	Screw-B	M8*15L	8
10	Handle	-	1
11	Screw-C	M6*24L	4



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3. Installation Guide

- ◆ Prior to installation, remove the stand that is attached to your flat screen TV.
- ◆ Carefully measure all dimensions of the television before proceeding with the installation process.
- ◆ Lean the TV onto its edge, preferably against a soft surface to prevent scratches and or damage.

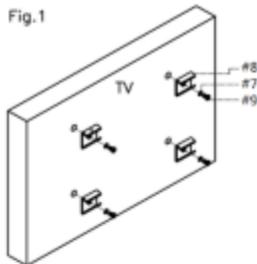


Fig.1

Fix the mounting brackets (8) to the 4 holes on the back of the TV with the washers (7) and screws (9).

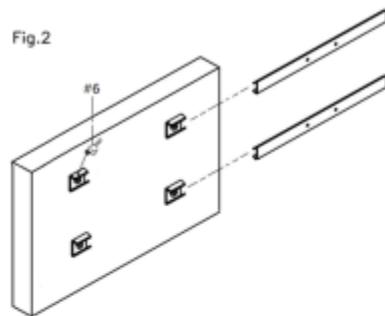


Fig.2

Fix the rails to the mounting brackets with the manual screw (6).

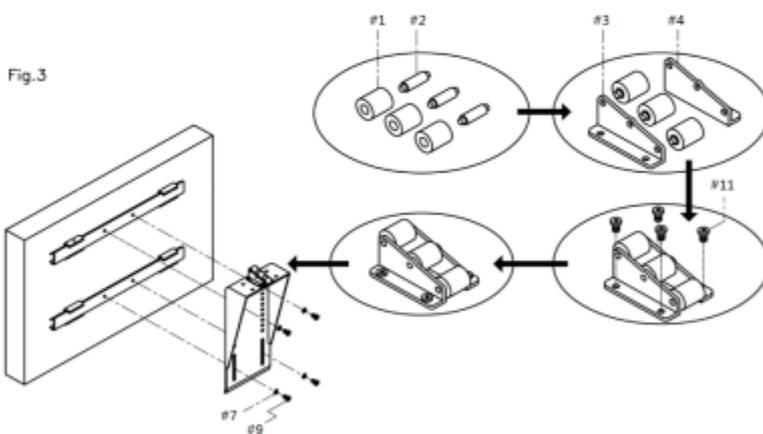


Fig.3

Assemble the wheels (1), shafts (2) and holders (3 & 4) to the mounting plate with the screw (11).

Fix the mounting plate to the rails with the washers (7) and screws (9).

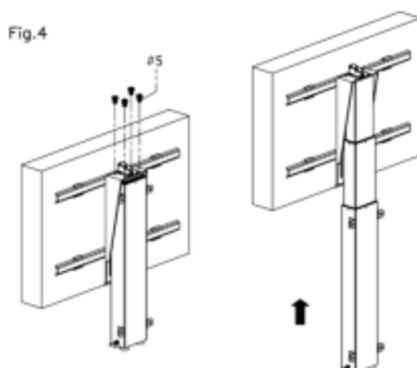


Fig.4

Slowly and properly align the holes of the mounting plate to the lifting column.

Fix the screws (5) **tightly**.

Plug the TVL3 to AC and lift to the top.

4. Control Settings

4.1.1 Wired Handset-TDH15

<p>A. Operation</p> <p>Press and hold the up and down button to finish reset first and then begin operation.</p>	
<p>B. Setting the upper and lower height limit</p> <ul style="list-style-type: none"> • Setting the upper height limit: <ol style="list-style-type: none"> (1) Adjust the desk to the preferred upper height limit. (2) Press ▲ and ▼ buttons together for less than 3 seconds, holding ▲ and release ▼ button. (3) Re-press ▼ for more than 3 times at a slow pace. (4) A beeping sound will notify you that the process has been completed. • Disable the upper height limit: <ol style="list-style-type: none"> (1) Move the desk to the upper height limit being set. (2) Repeat instructions #2~4 above to disable the upper limit setting. • Setting the lower height limit: <ol style="list-style-type: none"> (1) Adjust the desk to the preferred lower height limit. (2) Press ▲ and ▼ buttons together for less than 3 seconds, holding ▼ and release ▲ button. (3) Re-press ▲ for more than 3 times at a slow pace. (4) A beeping sound will notify you that the process has been completed. • Disable the lower height limit: <ol style="list-style-type: none"> (1) Move the desk to the lower height limit being set. (2) Repeat instructions #2~4 above to disable the lower limit setting. <p>Note: More than 3 seconds will direct to “Reset” mode.</p>	   

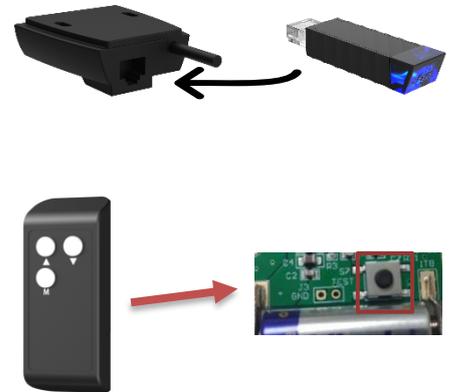
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4.1.2 RF Control-TH3

A. Setting the Pairing Function

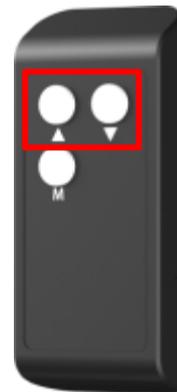
How do I activate the pairing function?

Plug TWD1 to the backside socket of TDH15, and press S7 button located inside the battery compartment at the back of TH3 within 30 seconds to complete the pairing of TH3 and TWD1.



B. Operation

Press ▲ / ▼ buttons to move the column upwards or downwards.



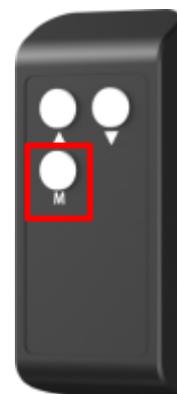
C. Setting the Memorized Height

• How do I set the memorized height?

Once the desired height has been reached, press and hold the “M” button until the TC11 beeps three times. This confirms the memorized height is now saved to memory. Click “M” and the TVL3 will automatically travel to the memorized height.

• How do I disable the memorized height?

To disable the memorized height, press and hold the “M” button until the TC11 beeps once.



D. Setting the upper and lower height limit (Note 6)**• Setting the upper height limit:**

- (1) Adjust the desk to the preferred upper height limit.
- (2) Press ▲ and ▼ buttons together for less than 3 seconds, holding ▲ and release ▼ button.
- (3) Re-press ▼ for more than 3 times at a slow pace.
- (4) A beeping sound will notify you that the process has been completed.

• Disable the upper height limit:

- (1) Move the desk to the upper height limit being set.
- (2) Repeat instructions #2~4 above to disable the upper limit setting.

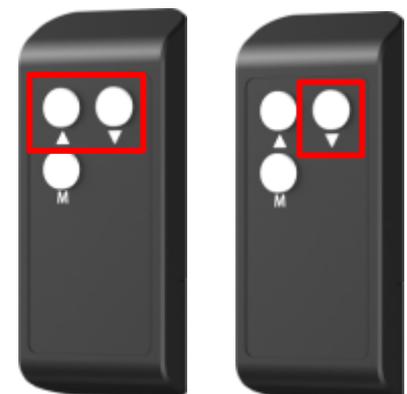
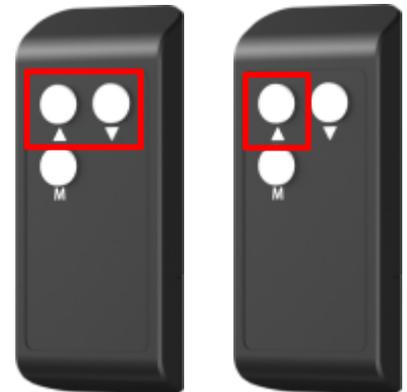
• Setting the lower height limit:

- (1) Adjust the desk to the preferred lower height limit.
- (2) Press ▲ and ▼ buttons together for less than 3 seconds, holding ▼ and release ▲ button.
- (3) Re-press ▲ for more than 3 times at a slow pace.
- (4) A beeping sound will notify you that the process has been completed.

• Disable the lower height limit:

- (1) Move the desk to the lower height limit being set.
- (2) Repeat instructions #2~4 above to disable the lower limit setting.

Note 6: This is primarily used when the TVL3 is installed within a TV cabinet.



5. End-User Safety Guidelines

- (1) Please adhere to the proper installation procedures as detailed in the installation instruction manual.
- (2) Safety precaution measures must be practiced at all times during the installation of this product.
- (3) All installation instructions should be fully read and understood before beginning the installation process.
- (4) At least two people should be present to mount the TV on the lift mechanism. Be careful when handling your TV as injury and damage can result from dropping or mishandling the product during installation.
- (5) Keep the TV upright at all times. Placing the screen face-down on the floor could damage the TV.
- (6) The stand on your flat screen TV is removable. Please remove the stand prior to installing the TV on the lift mechanism. Consult your TV's owner's manual for instructions for removing the stand.
- (7) Carefully measure all dimensions of your LCD, PLASMA, or LED TV before proceeding. Consult the **Specification** section of this manual for maximum acceptable TV sizes.
- (8) The TV Lift Mechanism contains moving parts. Please keep all body parts away from the lift and cabinet lid opening when the lift is in motion. Cables should be wire-tied or secured neatly so the lift does not interfere with them during operation.
- (9) In regards to the TSS Safety Strip accessory:
The TSS safety strip is an optional accessory which can be installed on the bottom of the TV. To avoid the risk of injury or damage, the TSS will stop the lifting column once the strip is pressed.

6. History

Ver.	Date	Description	By
1	2023/8/4	TMA version of TVL3 system (Ergo) revised from previous user manual (No TiMOTION logo_20191121_Ver.6)	Angela Lin, Jerry Yu,
2	2025/2/4	Update TH3 pairing method.	Joanna Lin