Height Adjustable Video Cart
DISCLAIMER

Milestone AV Technologies and its affiliated corporations and subsidiaries (collectively “Milestone”), intend to make this manual accurate and complete. However, Milestone makes no claim that the information contained herein covers all details, conditions or variations, nor does it provide for every possible contingency in connection with the installation or use of this product. The information contained in this document is subject to change without notice or obligation of any kind. Milestone makes no representation of warranty, expressed or implied, regarding the information contained herein. Milestone assumes no responsibility for accuracy, completeness or sufficiency of the information contained in this document.

Chief® is a registered trademark of Milestone AV Technologies. All rights reserved.

IMPORTANT SAFETY INSTRUCTIONS

WARNING: A WARNING alerts you to the possibility of serious injury or death if you do not follow the instructions.

CAUTION: A CAUTION alerts you to the possibility of damage or destruction of equipment if you do not follow the corresponding instructions.

WARNING: Failure to read, thoroughly understand, and follow all instructions can result in serious personal injury, damage to equipment, or voiding of factory warranty! It is the installer’s responsibility to make sure all components are properly assembled and installed using the instructions provided.

WARNING: Failure to provide adequate structural strength for this component can result in serious personal injury or damage to equipment! It is the installer’s responsibility to make sure the structure to which this component is attached can support five times the combined weight of all equipment. Reinforce the structure as required before installing the component.

WARNING: Exceeding the weight capacity can result in serious personal injury or damage to equipment! It is the installer’s responsibility to make sure the combined weight of all components attached to the MPAUBSP up to (and including) the display does not exceed 125 lbs (56.7 kg). Use with heavier televisions may result in instability causing tip over resulting in death or serious injury!

WARNING: Use this mounting system only for its intended use as described in these instructions. Do not use attachments not recommended by the manufacturer.

WARNING: Never operate this mounting system if it is damaged. Return the mounting system to a service center for examination and repair.

WARNING: Do not use this product outdoors.

WARNING: RISK OF INJURY TO PERSONS! Do not place video equipment such as televisions or computer monitors on cart legs.

WARNING: RISK OF SERIOUS INJURY OR DEATH! Placing a remote control or toy on the cart may encourage a child to climb onto the cart causing the cart to tip over onto the child. DO NOT place remote controls or toys on the cart!

WARNING: RISK OF SERIOUS INJURY OR DEATH! Relocating audio and/or video equipment to the cart may result in the cart collapsing or overturning onto a child. DO NOT relocate audio and/or video equipment to the cart!

NOTE: The MPAUBSP cart has no user serviceable parts.

--SAVE THESE INSTRUCTIONS--
**DIMENSIONS**

- **Max Height to Middle of Display**: 70.09 in (1780.3 mm)
- **Min Height to Center of Display**: 31.49 in (800.0 mm)
- **Cable Management Covers**: 42.85 in (1088.3 mm)
- **Cable Cord Wrap Hooks**: 7.87 in (200.0 mm)
- **Tilt Adjustment**: ±2°
- **Roll Adjustment**: ±5°
- **Cable Management Covers**: 45.09 in (1145.3 mm)
- **4.25 in (108.0 mm)**
- **7.87 in (200.0 mm)**
- **5.26 in (133.6 mm)**
- **7.75 in (196.8 mm)**
- **7.87 in (200.0 mm)**
- **Cable Management Covers**: 17.87 in (453.9 mm)
- **4.25 in (108.0 mm)**
- **7.75 in (196.8 mm)**
- **5.26 in (133.6 mm)**
### LEGEND

<table>
<thead>
<tr>
<th></th>
<th>Tighten Fastener</th>
<th>Loosen Fastener</th>
<th>Phillips Screwdriver</th>
<th>Open-Ended Wrench</th>
<th>By Hand</th>
<th>Hex-Head Wrench</th>
<th>Security Wrench</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Apretar elemento de fijación</td>
<td>Aflojar elemento de fijación</td>
<td>Destornillador Phillips</td>
<td>Llave de boca</td>
<td>A mano</td>
<td>Llave de cabeza hexagonal</td>
<td>Llave de seguridad</td>
</tr>
<tr>
<td></td>
<td>Befestigungsteil festziehen</td>
<td>Befestigungsteil lösen</td>
<td>Kreuzschlitzschraubendreher</td>
<td>Gabelschlüssel</td>
<td>Von Hand</td>
<td>Sechskantschlüssel</td>
<td>Sicherheitsschlüssel</td>
</tr>
<tr>
<td></td>
<td>Apertar fixador</td>
<td>Desapertar fixador</td>
<td>Chave de fendas Phillips</td>
<td>Chave de bocas</td>
<td>Com a mão</td>
<td>Chave de cabeça sextavada</td>
<td>Chave de segurança</td>
</tr>
<tr>
<td></td>
<td>Serrare il fissaggio</td>
<td>Allentare il fissaggio</td>
<td>Cacciavite a stella</td>
<td>Chiave a punte aperte</td>
<td>A mano</td>
<td>Chiave esagonale</td>
<td>Chiave di sicurezza</td>
</tr>
<tr>
<td></td>
<td>Bevestiging vastdraaien</td>
<td>Bevestiging losdraaien</td>
<td>Kruiskopschroevendraaier</td>
<td>Steeksleutel</td>
<td>Met de hand</td>
<td>Zeskantsleutel</td>
<td>Veiligheidssleutel</td>
</tr>
<tr>
<td></td>
<td>Serrez les fixations</td>
<td>Desserrez les fixations</td>
<td>Tournevis à pointe cruciforme</td>
<td>Clé à fourche</td>
<td>À la main</td>
<td>Clé à tête hexagonale</td>
<td>Clé de sécurité</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Pencil Mark</th>
<th>Drill Hole</th>
<th>Adjust</th>
<th>Remove</th>
<th>Optional</th>
<th>Security Wrench</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Marcar con lápiz</td>
<td>Perforar</td>
<td>Ajustar</td>
<td>Quitar</td>
<td>Opcional</td>
<td>Llave de seguridad</td>
</tr>
<tr>
<td></td>
<td>Stiftmarkierung</td>
<td>Bohrloch</td>
<td>Einstellen</td>
<td>Entfernen</td>
<td>Opcional</td>
<td>Sicherheitsschlüssel</td>
</tr>
<tr>
<td></td>
<td>Marcar con lápiz</td>
<td>Fazer furo</td>
<td>Ajustar</td>
<td>Remover</td>
<td>Opcional</td>
<td>Chave de segurança</td>
</tr>
<tr>
<td></td>
<td>Segno a matita</td>
<td>Praticare un foro</td>
<td>Regolare</td>
<td>Rimuovere</td>
<td>Opzionale</td>
<td>Chiave di sicurezza</td>
</tr>
<tr>
<td></td>
<td>Potloodmerkteken</td>
<td>Gat boren</td>
<td>Afstellen</td>
<td>Verwijderen</td>
<td>Optie</td>
<td>Veiligheidssleutel</td>
</tr>
<tr>
<td></td>
<td>Marquage au crayon</td>
<td>Percez un trou</td>
<td>Ajuster</td>
<td>Retirez</td>
<td>En option</td>
<td>Clé de sécurité</td>
</tr>
</tbody>
</table>
TOOLS REQUIRED FOR INSTALLATION

M5 (included)
3/16" (included)

#2

PARTS

A (1) [Left upright]
B (1) [Right upright]
C (1) [column upper cover]
D (1) [column inner cover]
E (1) [interface head assembly]
F (1) [column assembly]
G (1) [back cover]

J (1) [right cart leg]
H (1) [left cart leg]
K (2) [cable hook]

L (1) [left transition cover]
M (1) [right transition cover]

N (5) 5/16-18 x 3/4"
P (4) 5/16-18 x 3 3/4"
Q (2) 1/4-20 x 1/2"
R (1) 3/16"
U (10) [FCA clip]
V (10) [cable clip]
W (1) 3/16"

TA (4) M6x12mm
TB (4) M6x16mm
TC (4) M6x30mm
TD (4) 1/4"
TE (4) 1/2"
TF (4) M8x12mm
TG (4) M8x16mm
TH (4) M8x25mm
TI (2) 1/4-20 x 1 1/4"
Assembly And Installation

**CAUTION:** Attachment holes may be damaged if a power drill is used to insert button head cap screws. Screws should first be inserted and turned BY HAND with the hex key or with a hand-held screwdriver BEFORE using the hex head drill bit and power drill to complete the attachment.

**Cart Assembly**

1. Carefully set column assembly (F) on its left side. (See Figure 1)

2. Place right transition cover (M) on right cart leg (J), lining up the holes on the cover with the holes on the leg and column assembly base. (See Figure 1)

3. Use two 5/16-18 x 3 3/4" button head cap screws (P) to secure leg (J) and cover (M) to column assembly (F). (See Figure 1)

4. Turn column assembly (F) onto its right side. (See Figure 2)

5. Place left transition cover (L) on left cart leg (H), lining up the holes on the cover with the holes on the leg and column assembly base. (See Figure 2)

6. Use two 5/16-18 x 3 3/4" button head cap screws (P) to secure leg (H) and cover (L) to column assembly (F). (See Figure 2)

7. Slide interface head assembly (E) into column assembly (F). (See Figure 3)

8. Use four 5/16-18 x 3/4" button head cap screws (N) to secure interface head assembly (E) to column assembly (F). (See Figure 3)

9. Use remaining 5/16-18 x 3/4" button head cap screw (N) to secure column upper cover (C) to interface head assembly (E). (See Figure 4)

10. Snap column inner cover (D) onto column assembly (F). (See Figure 4)
Display Installation

**WARNING:** Exceeding the weight capacity can result in serious personal injury or damage to equipment! It is the installer’s responsibility to make sure the combined weight of all components attached to the MPAUBSP up to (and including) the display does not exceed 125 lbs (56.7 kg). Use with heavier televisions may result in instability causing tip over resulting in death or serious injury!

**CAUTION:** Using screws of improper diameter may damage your display! Proper screws will easily thread into display mounting holes.

1. Place display face down on a soft, non-abrasive surface.

2. Select screw diameter by examining hardware (MA-MC and MF-MH) (6mm or 8mm) and comparing with mounting holes on display. (See Figure 5)

3. Select spacers:
   - If mounting holes are not recessed and interface brackets (A and B) can lay flat against display, then no spacers are required.
   - If mounting holes are recessed, or if protrusions prevent brackets (A and B) from laying flat, then spacers (TE) must be used.

**CAUTION:** Using screws of improper length may damage your display! Proper screws will have adequate thread engagement without contacting bottom of display mounting holes.

4. Select screw length: (See Figure 5)
   - Using your hand, insert SHORTEST length screw of selected diameter (TA or TF) through 1/4" washer (TD), bracket (A or B), selected spacer (TE, if required), into display mounting hole. Do NOT thread screw into hole at this time.
   - Proper screw length requires base of screw head to protrude above flat washer a distance equal to or greater than the screw diameter. If screw length is inadequate, select longer screw. Select shortest screw which will protrude the required distance.

5. Use selected screws (TA-TC or TF-TH), washers (TD) and spacers (TE), if necessary, to connect interface brackets (A and B) to back of display. Make sure diamond on interface brackets is even with center of display. (See Figure 5)

---

*Figure 5*
**WARNING:** Display may be very heavy! Ensure display may be safely lifted and maneuvered as required to install on cart. Failure to take adequate precautions can result in serious personal injury or damage to equipment!

6. Hang interface brackets (A and B) to interface head assembly (E). (See Figure 6)

7. Use 1/4-20 x 1 1/4" socket head cap screws (TI) to secure interface brackets (A and B) to rails for each display. Screws must engage through both holes to be fully secured. (See Figure 6)

**IMPORTANT ! :** In order to ensure an even mount, install uprights to be centered over column assembly. Do NOT install both uprights to the same side of column assembly! (See Figure 7)

---

**Cable Management**

**NOTE:** The following cable management options may vary based on type of display being mounted and user preference.

1. Use two 1/4-20 x 1 1/2" Phillips pan machine screws (Q) to attach two cable hooks (K) to bottom of column assembly (F). (See Figure 8)

2. Place FCA clip (U) into groove on back of Fusion mount with clip handle in a vertical position. (See Figure 9)

3. Rotate FCA clip (U) 90° in either direction until clip handle is in a horizontal position. (See Figure 9)

4. Repeat Steps 1-2 for all clips to be installed.
5. Route cables along FCA clips to be used for cable management. (See Figure 10)

6. Use cable ties (V) to secure cables to FCA clips. (See Figure 10)

7. Route cables from display through front channel of column assembly. (See Figure 11)

8. Route cables down column channel, tucking them behind height-adjustment carriage and underneath bracket holding height-adjustment shaft. (See Figure 12)

9. Wrap cables around cable hooks as desired. (See Figure 12)

10. Snap back cover (G) onto back of column assembly making sure cables fit through opening at bottom of cover. (See Figure 12)
**Adjustments**

**Height Adjustment**
1. Remove cable cover (G) to expose height adjustment knob.
2. Turn height adjustment knob clockwise to raise display. (See Figure 13)
3. Turn height adjustment knob counterclockwise to lower display. (See Figure 13)

**WARNING:** Do not attempt to raise or lower the adjustment carriage beyond its upper or lower limit. High and low points are shown in Figures 13 and 14.

**NOTE:** A 1/2” socket wrench may also be used to adjust height by turning bolt just above height adjustment knob.
4. Reinstall cable cover (G) to column assembly.

**Pitch Adjustment**
5. Turn pitch adjustment knob clockwise to tilt display forward. (See Figure 15)
6. Turn pitch adjustment knob counterclockwise to tilt display back. (See Figure 15)

**Roll Adjustment**
7. Turn roll adjustment knob clockwise to adjust roll to the left. (See Figure 15)
8. Turn roll adjustment knob counterclockwise to adjust roll to the right. (See Figure 15)
Cart Use and Maintenance

**WARNING:** Exceeding the weight capacity can result in serious personal injury or damage to equipment! It is the installer’s responsibility to make sure the combined weight of all components located between the MPAUBSP up to (and including) the display does not exceed 125 lbs (56.7 kg).

**WARNING:** RISK OF SERIOUS INJURY OR DEATH! Placing a remote control or toy on the cart may encourage a child to climb onto the cart causing the cart to tip over onto the child. DO NOT place remote controls or toys on the cart!

**WARNING:** RISK OF SERIOUS INJURY OR DEATH! Relocating audio and/or video equipment to the cart may result in the cart collapsing or overturning onto a child. DO NOT relocate audio and/or video equipment to the cart!

**WARNING:** CART CAN TIP OVER RESULTING IN INJURY! Do not allow children under 16 to move cart. Only adults should move this cart. Move cart slowly. Apply moving force on narrow dimension. Never apply force at top - always push toward the middle. Push, don’t pull cart. (See Figure 16)

**NOTE:** The MPAUBSP cart has no user serviceable parts.

1. Always place cart on a level surface.

2. Always lock the wheels when the cart is not moving.

3. Check and tighten the hex nuts on the casters occasionally. (See Figure 17) These should be checked especially after use on uneven ground.