Extra Large Height Adjustable Video Cart
DISCLAIMER

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DEFINITIONS

MOUNTING SYSTEM: A MOUNTING SYSTEM is the primary Chief product to which an accessory and/or component is attached.

ACCESSORY: AN ACCESSORY is the secondary Chief product which is attached to a primary Chief product, and may have a component attached or setting on it.

COMPONENT: A COMPONENT is an audiovisual item designed to be attached or resting on an accessory or mounting system such as a video camera, CPU, screen, display, projector, etc.

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.

IMPORTANT SAFETY 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 mounting systems are properly assembled and installed using the instructions provided.

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

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: 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 XPAU cart has no user serviceable parts.

NOTE: The XPAU cart can support screen sizes up to a maximum of 100".

--SAVE THESE INSTRUCTIONS--

DIMENSIONS
TOOLS REQUIRED FOR INSTALLATION

1/8" (included)
M5 (included)
3/16" (included)
5/32" (included) (security)

PARTS

A (4) [Upright cover]
B (2) [Interface upright]
C (2) [Vertical rack bracket]
D (2) [Column lower cover]
E (1) [Column upper cover]
F (1) [Column assembly]
G (1) [Component bracket]
H (1) [Left cart leg]
J (1) [Right cart leg]
K (2) [Cable hook]
L (2) 1/4-20 x 1/2"
M (6) #10-24 x 3/8"
N (1) [Left transition cover]
P (1) [Right transition cover]
Q (1) [CPU strap]
R (4) 5/16-18 x 3 3/4"
S (6) #10-24
T (1) [Hardware bag]
TA (8) M4x16mm
TB (6) M4x20mm
TC (6) M4x25mm
TD (6) M5x16mm
TE (6) M5x20mm
TF (6) M5x25mm
TG (6) M6x16mm
TH (6) M6x25mm
TI (6) M6x20mm
TJ (6) M8x30mm
TK (4) M8x50mm
TL (8) 1/4"
TM (8) 1/2"
TN (8) [universal]
TP (1) M5
U (10) [FCA clip]
V (10) [Cable tie]
W (1) 3/16"
X (10) #10-24 x 1/2"
Y (10) #10-24 x 1/2" (security)
Z (6) #10-24
AA (6) #10
BB (1) 5/32" (security)
CC (1) 3/16"
DD (1) 1/8"
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 (P) 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 (R) to secure leg (J) and cover (P) to column assembly (F). (See Figure 1)
4. Turn column assembly (F) onto its right side. (See Figure 2)
5. Place left transition cover (N) 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 (R) to secure leg (H) and cover (N) to column assembly (F). (See Figure 2)

Component Bracket Installation (Optional)
NOTE: Component bracket may be installed to either side of column.
1. Loosely install two #10-24 x 3/8” Phillips head machine screws (M) through two #10 washers (AA), holes in component bracket (G) and into two #10-24 square nuts (Z). (See Figure 3)
2. Insert two #10-24 square nuts (Z) into two openings on column channel. (See Figure 3)
3. Lift component bracket (G) to desired mounting position. (See Figure 3)
4. Tighten screws to secure in position. (See Figure 3)
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 accessories and components installed to the component bracket (G) does not exceed 10 lbs (4.54 kg). Exceeding the weight capacity may result in damage to the equipment or components!

IMPORTANT ! : Do NOT attach component bracket too high on column or above height adjustment mechanism or it could interfere with the height adjustment mechanism. See Height Adjustment Section for details.

5. Install components to component bracket as desired using cable ties (V) or screws. (See Figure 4)

NOTE: Component bracket is designed to mount small audio/video components such as power strips, media players, etc.

CPU Installation (Optional)

1. Route CPU strap (Q) through hole on lower bracket and around CPU to secure CPU to column base. (See Figure 5)

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 accessories and components installed to the lower bracket does not exceed 20 lbs (9.07 kg). Exceeding the weight capacity may result in damage to the equipment or components!

NOTE: CPU strap is designed for use with larger non-rack mountable CPU’s or audio/video components.

Vertical Rack Bracket Installation (Optional)

NOTE: Vertical rack brackets (C) are intended for use with various types of rack mountable products.

1. Loosely install two #10-24 x 3/8” Phillips head machine screws (M) through two #10 washers (AA), holes in vertical rack bracket (C) and into two #10-24 square nuts (Z). (See Figure 6)

2. Insert two #10-24 square nuts (Z) into two openings on column channel. (See Figure 6)

3. Lift vertical rack bracket (C) to desired mounting position. (See Figure 6)

4. Tighten screws to secure in position. (See Figure 6)

IMPORTANT ! : Do NOT attach rack brackets higher than 22” above the base extrusion or they could interfere with the height adjustment mechanism. See Height Adjustment Section for details.

5. Repeat Steps 1-4 on other side for other bracket.

Figure 4

power strip (example)

(V)

Figure 5

CPU (example)

hole on lower bracket

Figure 6

(Z) x 2

(C)

(M) x 2

(AA) x 2

AA x 2


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 accessories and components attached to the XPAU up to (and including) the display does not exceed 300 lbs (136 kg). Use with heavier televisions may result in instability causing tip over resulting in death or serious injury!

1. Lay display face down on protective surface.

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

2. Select screw **diameter** by examining hardware (TA-TK) (4mm, 5mm, 6mm or 8mm) and comparing with mounting holes on display. (See Figure 7)

3. Select spacers: (See Figure 7)
   - If mounting holes are not recessed and both uprights (B) can lay flat against display, then no spacers are required.
   - If mounting holes are recessed, or if protrusions prevent uprights (B) from laying flat, then spacers (TL or TM) must be used.

4. Select screw **length:** (See Figure 7)
   - Using your hand, insert SHORTEST length screw of selected diameter (TA, TD, TG or TI) through universal washer (TN), uprights (B), selected spacer (TL or TM), into display mounting hole. Do NOT thread screw into hole at this time.

   **NOTE:** Universal washers (TN) are not needed if using M8 button head cap screws (TI, TJ or TK).
   - 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. Place uprights (B) on display, ensuring: (See Figure 7)
   - Center of uprights (B) are as close to the center of the back of display as possible after being installed. Center of bracket is indicated by the diamond-shaped hole.

6. Use selected screws and spacers to install two interface uprights (B) to back of display. (See Figure 7)

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**Figure 7**

![Diagram of display installation and screw placement](image-url)
**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!

7. Position latches on interface uprights so that they are in the “open” position. (See Figure 8)

8. Hang interface uprights (B) on head assembly. (See Figure 8)

**IMPORTANT !:** To ensure a stable mount, make sure stability knobs are tightened prior to installing display.

9. Move latches on interface uprights to the “closed” position to secure display to head assembly. (See Figure 10)

10. Snap four upright covers (A) onto uprights. (See Figure 11)

**NOTE:** Tabs on inside of covers (A) will snap directly into holes on uprights to ensure a secure connection.

11. (Optional) Use padlocks (not provided) to secure uprights to head assembly. (See Figure 11)
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 1/2” Phillips pan machine screws (L) to attach two cable hooks (K) to bottom of column assembly (F). (See Figure 12)

2. Place FCA clip (U) into groove on back of Fusion mount with clip handle in a vertical position. (See Figure 13)

3. Rotate FCA clip (U) 90° in either direction until clip handle is in a horizontal position. (See Figure 13)

4. Repeat Steps 2-3 for all clips to be installed.

5. Route cables along FCA clips to be used for cable management. (See Figure 14)

6. Use cable ties (V) to secure cables to FCA clips. (See Figure 14)

7. Route cables from display through inside of column assembly attaching at cable management attachment points and/or accessory bracket as desired. (See Figure 15)

IMPORTANT!: Route cables when display is at its highest point and make sure enough slack exists so that height may be adjusted without straining the cables!
8. Wrap cables around cable hooks (K) as desired. (See Figure 16)

3. Use four #10-24 x 1/2” button head cap (X) or security (Y) screws to secure lower cover (D) to front of column assembly (F). (See Figure 18)

Covers Installation

Front of Column
1. Insert tabs on one side of lower cover (D) into corresponding slots on side of column assembly. (See Figure 17)
2. Manipulate lower cover so that it fits within front cavity of column assembly and insert tabs on other side of lower cover into corresponding slots on side of column assembly. (See Figure 17)

Back of Column
4. Insert tabs on one side of upper cover (E) into corresponding slots on side of column assembly. (See Figure 19)
5. Manipulate upper cover (E) so that it fits within front cavity of column assembly and insert tabs on other side of upper cover (E) into corresponding slots on side of column assembly. (See Figure 19)
6. Insert tabs on one side of lower cover (D) into corresponding slots on side of column assembly. (See Figure 20)

7. Manipulate lower cover (D) so that it fits within lower cavity of column assembly and insert tabs on other side of lower cover (D) into corresponding slots on side of column assembly. (See Figure 20)

8. Use six #10-24 x 1/2" button head cap (X) or security (Y) screws to secure upper cover (E) and lower cover (D) to back of column (F). (See Figure 21)

**Adjustments**

**Height Adjustment**

1. Loosen two stability knobs on either side of head assembly. (See Figure 22)

2. Turn height adjustment knob clockwise to raise display. (See Figure 22)

3. Turn height adjustment knob counterclockwise to lower display. (See Figure 22)

**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 22 and 23.

**NOTE:** A 1/2" socket wrench or drill may also be used to adjust height by turning bolt just above height adjustment knob.

4. Tighten two stability knobs on either side of head assembly. (See Figure 22)
Pitch Adjustment

**WARNING:** Removing pitch adjustment screws when the display is installed will result in the display falling from the mount! Do NOT remove pitch adjustment screws completely while the display is installed to the mount!

5. Loosen two stability knobs on either side of head assembly. (See Figure 24)

6. Loosen pitch adjustment screws to allow pitch to be adjusted. (See Figure 24)

7. Adjust pitch as desired. (See Figure 24)

8. Tighten pitch adjustment screws to lock pitch position. (See Figure 24)

9. Tighten two stability knobs on either side of head assembly. (See Figure 24)

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 accessories and components located between the XPAU up to (and including) the display does not exceed 300 lbs (136 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 25)

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

**NOTE:** The XPAU cart can support screen sizes up to a maximum of 100” wide.

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 26) These should be checked especially after use on uneven ground.

### Figure 26

**Removing Display from Cart**

1. Remove any padlocks from interface uprights if installed.

2. Position latches on interface uprights so that they are in the “open” position. (See Figure 27)

**WARNING:** DISPLAYS MAY WEIGHT IN EXCESS OF 40 LBS! Always use two people and proper lifting techniques when installing or positioning display on cart.

3. Carefully lift display from cart. (See Figure 27)

### Figure 27