Menu Board Interface Kits

FCASFP / FMSIML / FMSITL
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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 parts are properly assembled and installed using the instructions provided.

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

---SAVE THESE INSTRUCTIONS---

Table 1: Weight Capacity

<table>
<thead>
<tr>
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<th>Maximum Weight Allowed</th>
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<tr>
<td>FCASFP</td>
<td>75 lbs (34.0 kg)</td>
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<tr>
<td>FMSIML</td>
<td>125 lbs (56.7 kg)</td>
</tr>
<tr>
<td>FMSITL</td>
<td>125 lbs (56.7 kg)</td>
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</tbody>
</table>

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DIMENSIONS

LEGEND

Tighten Fastener
Apretar elemento de fijación
Befestigungsteil festziehen
Apertar fixador
Serrare il fissaggio
Bevestiging vastdraaien
Serrez les fixations

Loosen Fastener
Aflojar elemento de fijación
Befestigungsteil lösen
Desapertar fixador
Allentare il fissaggio
Bevestiging losdraaien
Desserrez les fixations

Phillips Screwdriver
Destornillador Phillips
Kreuzschlitzschraubendreher
Chave de fendas Phillips
Cacciavite a stella
Kruiskopschroevendraaier
Tournevis à pointe cruciforme

Open-Ended Wrench
Llave de boca
Gabelschlüssel
Chave de bocas
Chiave a punte aperte
Steeksleutel
Clé à fourche
TOOLS REQUIRED FOR INSTALLATION - FCASFP

3/8"

#2

PARTS - FCASFP

DISPLAY ATTACH HARDWARE BAG

(Letters correspond to letters on bag)

A (4) M4x12mm
B (4) M4x20mm
C (4) M4x25mm
D (4) M5x12mm
E (4) M5x20mm
F (4) M5x25mm
G (4) M6x12mm
H (4) M6x20mm
I (4) M6x25mm
J (4) M8x12mm
K (4) M8x20mm
L (4) M8x30mm
MA (4) .750 x .323 x .250
MB (4) .750 x .344 x .500
N (4) [Universal washer]

Locking Hardware Kit

P (2) 10-24 x 5/8"
Q (2) 10-24

[Left interface bracket]

R (1)

[Right interface bracket]

S (1)
INSTALL INTERFACE BRACKETS TO DISPLAYS

1. Raise the latch mechanism on both interface brackets (R and S) to the OPEN position. (See Figure 1)

![Figure 1]

2. Place displays face down on a soft, non-abrasive surface.

**WARNING:** IMPROPER INSTALLATION CAN LEAD TO DISPLAY FALLING CAUSING SERIOUS PERSONAL INJURY OR DAMAGE TO EQUIPMENT! Using screws of improper size may damage your display. Properly sized screws will easily and completely thread into display mounting holes. If spacers are required, be sure to use longer screws of the same diameter.

3. Select screw diameter by examining hardware (A-L) and comparing with mounting holes on display. (See Figure 2)

4. Select spacers:
   - Spacers are NOT required if mounting holes are not recessed and interface brackets (R and S) can lay flat against display.
   - Spacers (MA or MB) ARE required if mounting holes are recessed, or if protrusions prevent interface brackets (R and S) from laying flat.

5. Select screw length: (See Figure 2)
   - By hand, insert SHORTEST length screw of selected diameter (A, D, G or J) through universal washer (N - if required), bracket (R or S), selected spacer (MA or MB-if required), into display mounting hole. Do NOT thread screw into hole at this time.

**IMPORTANT ! :** The M8 screws do NOT require a washer. Use the universal washer (N) ONLY with M4, M5 and M6 screws.
   - 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.

6. Align the center of the interface brackets (R and S) with center of screen. (See Figure 2)

**NOTE:** The diamond-shape hole in the bracket corresponds to the center of the mount.

7. Use selected screws (A-L), universal washers (N-if required) and spacers (MA or MB-if required), to connect interface brackets (R and S) to back of display. (See Figure 2)
ATTACH DISPLAYS TO MOUNTING RAIL

WARNING: IMPROPER INSTALLATION CAN LEAD TO DISPLAY FALLING CAUSING SERIOUS PERSONAL INJURY OR DAMAGE TO EQUIPMENT! The displays must be located approximately evenly across the length of the rail.

1. Ensure that the latch mechanisms on interface brackets (R and S) are already raised to the OPEN position. (See Figure 1)

CAUTION: BEFORE adding displays to the mounting rails, ensure end caps (FMSECAP) are in place at BOTH ends of mounting rail following instructions included with the FMSECAP.

2. While supporting both sides of display, lower display onto mounting rail, hooking top of interface brackets onto top of mounting rail. (See Figure 3)

3. Lower the latch mechanism on both interface brackets to lock bracket in place. (See Figure 3)

4. Repeat for remaining interface bracket.

Interface Bracket Adjustment

CAUTION: ALWAYS keep a small distance between screens when making adjustments! Damage to screens possible if placed too close together.

Tilt
The interface brackets allow 0° to 20° tilt, and can be locked at 0°, 10° and 20° tilt.

5. If necessary, loosen button head tilt friction bolt (located on side of interface bracket). (See Figure 4)

6. Adjust tilt as required. (See Figure 4)

7. The tilt may be locked at 0°, 10° and 20° using one 10-24 x 5/8” Phillips head screw (P) and one 10-24 lock nut (Q) per interface bracket. (See Figure 4)

8. Tighten tilt friction bolt as necessary.

OPTIONAL: Security

1. OPTIONAL: Add padlock (not included) to each interface bracket to lock display to mounting rail. (See Figure 5)

Figure 3

Figure 4

Figure 5
**DIMENSIONS**

<table>
<thead>
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<th>Dimensions</th>
<th>INCHES</th>
<th>MILLIMETERS</th>
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<td>61.1</td>
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<td>3.13</td>
<td></td>
<td>79.6</td>
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</tbody>
</table>

**LEGEND**

- **Tighten Fastener**
  - Apretar elemento de fijación
  - Befestigungsteil festziehen
  - Apertar fixador
  - Serrare il fissaggio
  - Bevestiging vastdraaien
  - Serrez les fixations

- **Loosen Fastener**
  - Aflojar elemento de fijación
  - Befestigungsteil lösen
  - Desapertar fixador
  - Allentare il fissaggio
  - Bevestiging losdraaien
  - Desserrez les fixations

- **Phillips Screwdriver**
  - Destornillador Phillips
  - Kreuzschlitzschraubendreher
  - Chave de fendas Phillips
  - Cacciavite a stella
  - Kruiskopschroevendraaier
  - Tournevis à pointe cruciforme

- **Open-Ended Wrench**
  - Llave de boca
  - Gabelschlüssel
  - Chave de bocas
  - Chiave a punte aperte
  - Steeksleutel
  - Clé à fourche
TOOLS REQUIRED FOR INSTALLATION - FMSIML

3/16"
#2

PARTS - FMSIML

DISPLAY ATTACH HARDWARE BAG
(Letters correspond to letters on bag)

A (4)
M6 x 12mm

B (4)
M6 x 16mm

C (4)
M6 x 30mm

D (4)
1/4"

E (4)
.750x.344x.500

F (4)
M8 x 12mm

G (4)
M8 x 16mm

H (4)
M8 x 25mm

I (2)
1/4-20 x 1-1/4"

J (1)
[Right interface bracket]

K (1)
[Left interface bracket]
INSTALL INTERFACE BRACKETS TO DISPLAYS

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

WARNING: IMPROPER INSTALLATION CAN LEAD TO DISPLAY FALLING CAUSING SERIOUS PERSONAL INJURY OR DAMAGE TO EQUIPMENT! Using screws of improper size may damage your display. Properly sized screws will easily and completely thread into display mounting holes. If spacers are required, be sure to use longer screws of the same diameter.

2. Select screw diameter by examining hardware (A-C and F-H) and comparing with mounting holes on display. (See Figure 6)

3. Select spacers:
   - Spacers are **NOT** required if mounting holes are not recessed and interface brackets (J and K) can lay flat against display.
   - Spacers (E) **ARE** required if mounting holes are recessed, or if protrusions prevent interface brackets (J and K) from laying flat.

4. Select screw length: (See Figure 6)
   - By hand, insert SHORTEST length screw of selected diameter (A or F) through 1/4" washer (D), bracket (J or K), selected spacer (E, 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. Align the center of the interface brackets (J and K) with center of screen. (See Figure 6)

**NOTE:** The diamond-shape hole in the bracket corresponds to the center of the mount.

6. Use selected screws (A-C or F-H), washers (D) and spacers (E), if necessary, to connect interface brackets (J and K) to back of display. (See Figure 6)

Figure 6
ATTACH DISPLAYS TO MOUNTING RAIL

**WARNING:** IMPROPER INSTALLATION CAN LEAD TO DISPLAY FALLING CAUSING SERIOUS PERSONAL INJURY OR DAMAGE TO EQUIPMENT! The displays must be located approximately evenly across the length of the rail.

1. Ensure that the latch mechanisms on interface brackets (J and K) are already raised to the OPEN position. (See Figure 7)

**CAUTION:** BEFORE adding displays to the mounting rails, ensure end caps (FMSECAP) are in place at BOTH ends of mounting rail following instructions included with the FMSECAP.

2. While supporting both sides of display, lower display onto mounting rail, hooking top of interface brackets onto top of mounting rail. (See Figure 7)

3. Raise latch on interface bracket and close into place against mounting rail. (See Figure 7)

4. Fasten latch into place using one 1/4-20 x 1-1/4" socket head screw (I). (See Figure 7)

**NOTE:** Secure screw (I) through both holes.

5. Repeat for each interface bracket on the mounting rail.

**Interface Bracket Adjustment**

**CAUTION:** ALWAYS keep a small distance between screens when making adjustments! Damage to screens possible if placed too close together.

6. Move displays so that screens are nearly flush and level with each other.

7. Use upper knob on back of interface brackets (J and K) to adjust the height of each display. (See Figure 8)

**NOTE:** Adjust both brackets in order to maintain a level mount.

8. Use middle and lower knobs on back of interface brackets (J and K) to make plumb adjustments to each display. (See Figure 8)

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**Figure 7**

**Figure 8**
DIMENSIONS

FMSITL INCLUDES TWO UPRIGHTS

LEGEND

Tighten Fastener
Apretar elemento de fijación
Befestigungsteil festziehen
Apertar fixador
Serrare il fissaggio
Bevestiging vastdraaien
Serrez les fixations

Loosen Fastener
Aflojar elemento de fijación
Befestigungsteil lösen
Desapertar fixador
Allentare il fissaggio
Bevestiging losdraaien
Desserrez les fixations

Hex-Head Wrench
Llave de cabeza hexagonal
Sechskantschlüssel
Chave de cabeça sextavada
Chiave esagonale
Zeskantsleutel
Clé à tête hexagonale

Phillips Screwdriver
Destornillador Phillips
Kreuzschlitzschraubendreher
Chave de fendas Phillips
Cacciavite a stella
Kruiskopschroevendraaier
Tournevis à pointe cruciforme

Open-Ended Wrench
Llave de boca
Gabelschlüssel
Chave de bocas
Chiave a punte aperte
Steeksleutel
Clé à fourche

FMSITL

DIMENSIONS: INCHES
[MILLIMETERS]
TOOLS REQUIRED FOR INSTALLATION - FMSITL

1/8" (included)
M5 (included)

#2

3/8"

PARTS - FMSITL

DISPLAY ATTACH HARDWARE BAG

(Letters correspond to letters on bag)

A (8) M4x16mm
B (6) M4x20mm
C (6) M4x25mm
D (6) M5x16mm
E (6) M5x20mm
F (6) M5x25mm
G (6) M6x16mm
H (6) M6x25mm
I (6) M8x20mm
J (6) M8x30mm
K (4) M8x50mm
L (8) .75x.323x.25"
M (8) .75x.344x.5"
N (8) [Univ. washer]
P (1) M5 (In section marked "N")
R (1) 1/8"
S (2) 10-24
T (2) 10-24 x 5/8"
U (2) 10-24 x 2-1/4"
INSTALL INTERFACE BRACKETS TO DISPLAYS

1. Lower the latch mechanism on each interface bracket (R). (See Figure 9)

2. Place displays face down on a soft, non-abrasive surface.

   **WARNING:** IMPROPER INSTALLATION CAN LEAD TO DISPLAY FALLING CAUSING SERIOUS PERSONAL INJURY OR DAMAGE TO EQUIPMENT! Using screws of improper size may damage your display. Properly sized screws will easily and completely thread into display mounting holes. If spacers are required, be sure to use longer screws of the same diameter.

3. Select screw diameter by examining hardware (A-K) and comparing with mounting holes on display. (See Figure 10)

4. Select spacers:
   - Spacers are **NOT** required if mounting holes are not recessed and interface brackets (Q) can lay flat against display.
   - Spacers (L or M) **ARE** required if mounting holes are recessed, or if protrusions prevent interface brackets (Q) from laying flat.

5. Select screw length: (See Figure 10)
   - By hand, insert SHORTEST length screw of selected diameter (A, D, G or I) through universal washer (N - if required), bracket (Q), selected spacer (L or M - if required), into display mounting hole. Do NOT thread screw into hole at this time.

   **IMPORTANT ! :** The M8 screws (I, J and K) do **NOT** require a washer. Use the universal washer (N) ONLY with M4 (A-C), M5 (D-F) and M6 (G and H) screws.

6. Align the center of the interface brackets (Q) with center of screen. (See Figure 10)

7. Use selected screws (A-K), universal washers (N - if required) and spacers (L or M - if required), to connect interface brackets (Q) to back of display. (See Figure 10)
ATTACH DISPLAYS TO MOUNTING RAIL

WARNING: IMPROPER INSTALLATION CAN LEAD TO DISPLAY FALLING CAUSING SERIOUS PERSONAL INJURY OR DAMAGE TO EQUIPMENT! The displays must be located approximately evenly across the length of the rail.

1. Ensure that the latch mechanisms on interface brackets (Q) are already lowered to OPEN position. (See Figure 11)

CAUTION: BEFORE adding displays to the mounting rails, ensure end caps (FMSECAP) are in place at BOTH ends of mounting rail following instructions included with the FMSECAP.

2. While supporting both sides of display, lower display onto one side of mounting rail, hooking top of interface brackets onto front of mounting rail. (See Figure 11)

3. Raise the latch mechanism on both interface brackets to lock bracket in place. (See Figure 11)

4. Fasten bracket against mounting rail using one 10-24 x 5/8" button head cap screw (T). (See Figure 12)

5. Repeat for other interface bracket.
Interface Bracket Adjustment

**CAUTION:** *ALWAYS* keep a small distance between screens when making adjustments! Damage to screens possible if placed too close together.

**Tilt**

The interface brackets allow 0° to 20° tilt, and can be locked at 0°, 10° and 20° tilt.

1. If necessary, loosen button head tilt friction bolt (located on side of interface bracket). (See Figure )
2. Adjust tilt as required. (See Figure )
3. The tilt may be locked at 0°, 10° and 20° using one 10-24 x 2-1/4" Phillips head screw (U) and one 10-24 lock nut (S) per interface bracket. (See Figure )
4. Tighten tilt friction bolt as necessary.

**OPTIONAL:** Security

1. **OPTIONAL:** Add padlock (not included) to each interface bracket to lock display to menu board. (See Figure 14)

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**Figure 13**

**Figure 14**

Padlock (Optional)

(Display not shown)