Extended Interactive Whiteboard Mount
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IMPORTANT SAFETY INSTRUCTIONS

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.

IMPORTANT!: The WBM2E has been designed to be mounted onto either a 2” x 4” (51mm x 102 mm) wood stud wall, or an 8” (203mm) concrete wall or 8” x 8” x 16” (203mm x 203mm x 405mm) concrete block wall.

--SAVE THESE INSTRUCTIONS--
DIMENSIONS

DIMENSIONS: [MILLIMETERS]

13.56 [344.5]
14.88 [377.8]
20.06 [509.6]
1.00 [25.4]

54.1 [1374.5]
5.00 [127.0]

INCHES
## LEGEND

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<th>Pencil Mark</th>
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TOOLS REQUIRED FOR INSTALLATION

- 1/8" - wood stud
- 1/4" - concrete
- 5/32" - (included)
- 7/16" - (included)
- 5/32" - (included)

PARTS

- A (4) - 1/4" Isolation washer
- B (4) - [Toggler AF6]
- C (4) - 1/4-20 x 2-1/2"
- D (2) - [Upright assembly]
- E (1) - 5/32" 1/4-20 x 3/8"
- F (2) - [Isolation washer]
- G (4) - 1/4-20 x 1" .500x.320x.425
- H (4) - .4 x .255 x .0625
- J (4) - [Fixed wall leg]
- K (1) - [Wall assembly]
- L (2) - [Wall bracket cover]
- M (2) - [Sliding cover]
- N (2) - [Fixed wall leg]
- P (1) - [WBAE Hardware Bag]
- Q (2) - [Knob]
- R (8) - M4 x 8mm
- S (2) - [Upright assembly]
- T (2) - [Lower support]
- U (2) - [Upper support]
- V (2) - [Sliding cover]
- W (2) - [Wall bracket cover]
- X (2) - [Upright assembly]
- Y (2) - [Wall assembly]
- Z (2) - [Wall bracket cover]
ASSEMBLY AND INSTALLATION

The WBM2E will allow an interactive whiteboard to be installed over an existing chalkboard or whiteboard. The WBM2E may be installed in front of preexisting chalk or marker trays, or in the low profile position which installs on the top of preexisting chalk or marker trays.

Assembly

IMPORTANT! The WBM2E ships with two options for configuration of the upright assembly. Determine which bottom configuration will be used on the WBM2E uprights:

- If the WBM2E uprights will be attached to the wall below the existing chalkboard or whiteboard, proceed to Step 1 and use the fixed wall leg (N).
- If the WBM2E uprights will rest against the existing chalkboard or whiteboard, proceed to Step 4 and use the lower support (T).

1. Attach fixed wall leg (N) to bottom of upright assembly (D) using four M4 x 8mm Phillips screws (R). (See Figure 1)
2. Repeat for second upright assembly.
3. Proceed to Locate Mounting Site section.

4. Add knobs (Q) to lower supports (T). (See Figure 2)

5. Attach lower support (T) to bottom of upright assembly (D) using four M4 x 8mm Phillips screws (R). (See Figure 3)
6. Repeat for second upright assembly.

Locate Mounting Site

WARNING: Improper installation can lead to mount falling causing severe personal injury or damage to equipment! It is the installers responsibility to make certain the structure to which the mount is being attached is capable of supporting five times the weight of the WBM2E and all attached equipment not to exceed 125 lbs (56.7 kg).

WARNING: Electrical shock, explosion and fire hazard! Cutting or drilling into electrical cords, cables or gas plumbing can cause death or serious personal injury! Always make certain area behind mounting surface is free of electrical wires, cables, gas, water, waste, or any other plumbing before drilling or installing fasteners.
Adjusting Wall Brackets for Installation

**NOTE:** The wall brackets on the wall assembly may be adjusted to suit installation needs, but must be spaced a minimum of 16” (406mm) apart.

1. Slide wall brackets along wall assembly (K). (See Figure 4)
2. Tighten button head cap screw on each wall bracket to secure wall brackets to wall assembly. (See Figure 4)

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**Installing to a Wood Stud Wall**

1. Determine the center of the chalkboard.
2. Locate the closest 2” x 4” (51mm x 102mm) wood stud to the left and right of the selected location.

**NOTE:** The two WBM2E wall brackets on the wall assembly (K) must be mounted a minimum of 16” apart (406mm), or a maximum of 42” (1067mm) apart.

3. Using a level, mark the wall above existing chalkboard through top mounting hole in the wall assembly (K). (See Figure 5)
4. Drill one 1/8” pilot hole in each stud. (See Figure 5)
5. Use two 1/4-20 x 2-1/2” lag bolts (C) and two 1/4” flat washers (A) to attach wall assembly (K) to wall. (See Figure 5)
6. Mark the wall through the lower mounting hole in the wall assembly (K). (See Figure 5)
7. Drill one 1/8” pilot hole in each stud through lower mounting hole in wall assembly (K). (See Figure 5)
8. Use two 1/4-20 x 2-1/2” lag bolts (C) and two 1/4” flat washers (A) to attach wall assembly (K) to wall. (See Figure 5)

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**Installing to a Concrete or Concrete Block Wall**

**NOTE:** The WBM2E may be attached to an 8” (203mm) concrete or 8” x 8” x 16” (203mm x 203mm x 405mm) concrete block wall.

1. Determine the center of the chalkboard.

**NOTE:** The two WBM2E wall brackets on the wall assembly (K) must be mounted a minimum of 16” apart (406mm), or a maximum of 42” (1067mm) apart.

2. Using a level, mark the wall above existing chalkboard through top mounting hole in the wall assembly (K). (See Figure 6)
3. Drill one 1/4" x 2-3/4" pilot hole at each marking. (See Figure 6)
4. Install an anchor (B) into each pilot hole using a hammer. (See Figure 6)
5. Use two 1/4-20 x 2-1/2" lag bolts (C) and two 1/4" flat washers (A) to attach wall assembly (K) to anchors in wall. (See Figure 6)
6. Mark the wall through the lower mounting hole in the wall assembly (K). (See Figure 6)
7. Drill one 1/4" x 2-3/4" pilot hole at each marking through lower mounting hole in wall assembly (K). (See Figure 6)
8. Install an anchor (B) into each pilot hole using a hammer. (See Figure 6)
9. Use two 1/4-20 x 2-1/2" lag bolts (C) and two 1/4" flat washers (A) to attach wall assembly (K) to anchors in wall. (See Figure 6)

**Attaching Interactive Whiteboard**
1. Attach upright assembly (D) to back of white board using four 1/4-20 x 1" Phillips pan head screws (H), four isolation washers (G) and four .500"x.320"x.425" spacers (J). (See Figure 7)
2. Repeat for second upright assembly. (See Figure 7)

**Attaching Uprights to Wall Extrusion**
1. Hook whiteboard with attached uprights onto the wall assembly (K). (See Figure 8)
2. Move the slide nut so that it is aligned with the upright (D). (See Figure 8)
3. Fasten upright in place using one 1/4-20 x 3/8" button head cap screw (F) and one .4"x.255"x.0625" nylon spacer (S). (See Figure 8)
4. Repeat for other side of wall extrusion.

**Adjustments**

**Lateral Movement**
1. Loosen one button head cap screw at top of upright assembly (D). (See Figure 9)
2. Slide upright assembly left or right on wall assembly (K), as necessary. (See Figure 9)
3. Tighten button head cap screw to fasten upright assembly into place. (See Figure 9)
Vertical Adjustment
1. Loosen one button head cap screw with spacer at top of each upright assembly (D). (See Figure 10)
2. Unhook whiteboard from wall assembly (K). (See Figure 10)
3. Loosen four Phillips head screws on back of whiteboard. (See Figure 11)
4. Adjust whiteboard up or down, as required. (See Figure 11)
5. Tighten four Phillips head screws (H) into four isolation washers (G) and spacers (J) to fasten white board to upright assembly (D). (See Figure 11)
6. Hook whiteboard with attached uprights onto the wall assembly (K). (See Figure 10)
7. Tighten button head cap screw with spacer (loosened in Step 1) at top of each upright assembly (D) into place. (See Figure 10)

Micro Height Adjust and Leveling
1. The wall assembly (K) can be adjusted or leveled by turning the hex head bolt in the brackets. (See Figure 12)
   - Turn clockwise to raise wall assembly
   - Turn counterclockwise to lower wall assembly.

Completing Attachment to Wall
NOTE: See Adjustments section to make any necessary adjustments BEFORE completing attachment to wall.

NOTE: If the fixed wall leg (N) was added to the lower part of the WBM2E assembly, it must be attached to the wall using the correct hardware for the wall type. It may be attached to a wood stud, concrete, or steel stud wall, and may also be attached to drywall only. Proceed to appropriate section for instruction.

Wood Stud Wall
1. Mark the wall over stud through the fixed wall leg (N) on each upright assembly. (See Figure 13)
2. Drill one 1/8" pilot hole in each stud. (See Figure 13)
3. Use two 1/4-20 x 2-1/2" lag bolts (PB) and two 1/4" flat washers (PC) to attach both fixed wall legs (N) to wall. (See Figure 13)
Concrete or Concrete Block Wall

1. Mark the wall through the fixed wall leg (N) on each upright assembly (D). (See Figure 14)

2. Drill one 1/4" x 2-3/4" pilot hole at each marking. (See Figure 14)

3. Install an anchor (PE) into both pilot holes using a hammer. (See Figure 14)

4. Use two 1/4-20 x 2-1/2" lag bolts (PB) and two 1/4" flat washers (PC) to attach both fixed wall legs (N) to anchors in wall. (See Figure 14)

Steel Stud Wall / Drywall Only

1. Mark the wall over steel stud or drywall through the fixed wall leg (N) on each upright assembly (D). (See Figure 15)

2. Drill one 1/2" hole at each marking. (See Figure 15)

3. Hold metal channel on anchor (PD) flat alongside plastic straps and slide channel through hole. (See Figure 16)

4. Holding plastic straps on anchor (PD), pull anchor away from wall until channel rests flush behind wall making sure anchor channel is positioned vertically on stud. (See Figure 17)

5. Slide plastic cap on anchor (PD) towards wall until flange of cap is flush with wall. (See Figure 17)

6. Snap off plastic straps on anchor at wall by pushing side to side, snapping off straps level with flange of plastic cap. (See Figure 18)
7. Repeat Steps 3 through 6 for remaining mounting hole.

8. Place fixed wall legs (N) over anchors and align mounting slots with holes in anchors. (See Figure 19)

9. Place 1/4” flat washer (PC) onto 1/4-20 x 1-3/4” Phillips pan head screw (PA).

10. Insert Phillips pan head screw (PA) with flat washer (PC) through mounting slot in fixed wall leg and into anchor (PE) and tighten until flush against fixed wall leg. DO NOT overtighten! (See Figure 19)

11. Repeat Steps 9 and 10 for remaining mounting hole.

Adding Covers

1. Open the lower flaps of the wall bracket cover (L) outward. (See Figure 20)

2. Slide the cover downward, hooking the top of the wall bracket covers (L) onto the tabs on top of wall assembly brackets. (See Figure 20)

3. Slide the lower flaps of the wall bracket cover (L) under the bottom of the wall assembly brackets (K). (See Figure 20)
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