BT8428
BACK-TO-BACK FLAT SCREEN
CEILING MOUNT WITH TILT
INSTALLATION GUIDE & PARTS LIST
This Pack Contains 1 Ceiling Mount
PLEASE KEEP THIS FOR FUTURE REFERENCE

FEATURES
• Designed for two screens up to 65" (165cm)
• Max load: 50kg (per screen)
• Suitable for screens with mounting patterns up to VESA® 600 x 400mm
• Unique ‘Torsion Tilt’ adjustment: +/-15°
• Includes Ø50mm extension pole
• Can mount screens in a landscape or portrait orientation
• Pole can be tilted for mounting on angled ceilings
• Integrated cable management
• Post installation screen alignment
• Height adjusting levelling screws for perfect screen positioning
• Safety screws help prevent unauthorised removal of screens

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TOOLS REQUIRED
Spanner or socket  Crosshead screwdriver  Drill  Pencil

B-TECH AUDIO VIDEO MOUNTS
www.btechavmounts.com
CAUTION: This mount is intended for use only with the maximum weights indicated. Use with flat screens heavier than the maximum indicated may result in instability causing possible injury.

Do not attempt to install this product until all instructions and warnings have been read and properly understood. Please keep these instructions for future reference.

Please check carefully to make sure there are no missing or defective parts - defective parts must never be used. B-Tech International Design and Manufacturing Limited, its distributors and dealers are not liable or responsible for damage or injury caused by improper installation, improper use or failure to observe these safety instructions. In such cases, all guarantees will expire.

General

B-Tech International Design and Manufacturing Limited recommends that a professional AV installer or other suitably qualified person install this product. Great care must always be taken during installation as most AV equipment is of a fragile nature, possibly heavy and easily damaged if dropped.

If you do not fully understand the instructions or are not sure how to install this product safely, then please consult a professional for advice and/or to install this product for you. Failure to mount this product correctly may cause serious injury or death both during installation and at any time thereafter.

Do not mount any AV equipment that exceeds the specific weight limit of the product you are installing.

This weight limit will be clearly stated on each product and its packaging and will vary from product to product.

Product location

Please pay careful attention to where this product is located. Check load capacity of ceiling prior to installation as some ceilings are not suitable for installation. Designed for indoor use, this mount is suitable for public or home installation. If located in a public or frequently populated area ensure that the product is out of the immediate reach of people. If any AV equipment is to be suspended over the likely path or location of people then great care should be taken to secure all parts of the installation from falling. If you install this product on drywall it must be securely fixed to a wooden stud, concrete block or other permanent structure behind the drywall board. Installing on drywall boards alone will not support the weight of most AV equipment.

When drilling holes in ceilings it is essential to avoid contact with electrical cables and water or gas pipes contained within. Use of a good quality live wire detector and hidden object locator is therefore recommended. Only drill into structures when you are sure it is safe to do so.

Fixing hardware

In some cases AV equipment fixing hardware will be supplied to accommodate different models of equipment and set up configurations.

The installer must be satisfied that any supplied fixing hardware is suitable for each specific installation. If any fixing screws or included hardware are deemed not sufficient for a safe installation then please consult a professional or your local hardware store.

Hazard limitation

When routing cables take advantage of any built in cable management features that the product might provide and ensure that all cables are tidy and secure. Check to see that any moving aspect of the product can do so unhindered by any cabling.

Some products have moving parts and the potential to cause injury through the crushing or trapping of fingers or other body parts.

Particular attention to the nature of moving parts is required especially when assembling installing and adjusting during set up.

Immediately after installations double-check that the work done is safe and secure. Double-check all necessary fixings are present and are of ample tightness.

It is recommended that periodic inspections of the product and its fixing points are made as frequently as possible to ensure that safety is maintained. If in doubt consult a professional AV installer or other suitably qualified person.
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FLAT SCREEN INTERFACE KIT
(for attaching mount to back of flat screen)

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<td>3</td>
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<td>M8 LOCK WASHER</td>
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<td>COVERPLATE HALF (NOT REQUIRED)</td>
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INTERFACE KIT

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<tr>
<td>M</td>
<td>M8 x 25mm SPACER</td>
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PLEASE KEEP THIS FOR FUTURE REFERENCE
**Fix Collar to Pole**

i. Place the collar (part 2) over the pole (part 10).

ii. Fit the collar (part 2) to the pole by using the M8 x 65mm safety bolt (part 7) and M8 spring washer (part 6). Tighten in place with the 5AF hex key (part 9).

iii. Tighten the grub screws evenly to the pole using the 4AF hex key (part 8).
Mount Pole and Collar to Ceiling Plate
Set the required tilt angle by fitting the ceiling plate (part 1) to the collar (part 2) using the M8 lock washers (part 5), M8 washers (part 3) and M8 x 12mm screws (part 4). Tighten with the 5AF hex key (part 9).

The tilt angle can also be adjusted once mounted to the ceiling.
Mounting the Ceiling Plate to the Ceiling

i) Pre-drill 4 holes for the ceiling fixings (not supplied).
ii) Assemble two fixing screws in place, corner to corner leaving a 10mm gap between the screw head and ceiling.

![Diagram of ceiling plate installation](image)

**CEILING PLATE DIMENSIONS**

- Ø10.5mm
- Ø25mm
- Ø40mm
- Ø150mm

*Full dimensions are available on page 15*

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⚠️ IMPORTANT ⚠️

Fixing screws are not included with this product. B-Tech highly recommends this product be installed by a suitably qualified person. The installer must be satisfied that the types of fixings used are suitable for the type of ceiling the product is to be mounted to.

Care must be taken as to where this product is located, as some ceilings and walls are not suitable for installation. When drilling holes, knowledge must be obtained to avoid contact with any electrical cables and/or gas and water pipes contained within the ceiling or walls.

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iii) Hook the ceiling plate (part 1) onto the fixing screws and twist into position.
iv) Assemble 2 more fixings screws and tighten to secure the ceiling plate.
Attach Interface Plates to the Pole

i. Attach one interface plate (part 20) to the front of the collars (part 12).

ii. Slide collars and interface plate onto the pole (part 10). Once collars are on the pole, add the pole end ring (part 11) to bottom of the pole.
iii. Once positioned on the pole, tighten the grub screws (part 15) on the back of the collars and using the existing holes* on the end of the pole, insert the safety bolt (part 16) through the bottom collar.

*The ø50mm pole may also be drilled through to accommodate the safety bolt (part 16).

iv. Attach the second interface plate (part 20) to the collars on the pole.
Attach the Interface Arms to Rear of Screens

Attach interface arms to the back of both flat screens using the interface kit. The interface arms (parts 21 & 22) can mount screens with fixing patterns up to 400 x 400mm.

For screens with VESA 600 x 400mm fixings attach 600mm adaptor arms (part 26) onto interface arms (parts 21 & 22).

LANDSCAPE MOUNTING

PORTRAIT MOUNTING

Use spacers for curved screens or screens with recessed fixings.
Hook Screens onto Mount

Hook flat screens onto the interface plates (part 20).
This may require 2 people.
Lateral Adjustment

Tilt Adjustment

15°

15°
Optional - Screen Levelling Adjustment

Secure Screens to Ceiling Mount
Secure all interface arms to interface plates.
**BT8428**

**PRODUCT DIMENSIONS**

*Length shown using a 1M / 1.5M / 2M / 3M extension pole*

Adaptor Arms

400mm MAX

468mm MAX

500mm

600mm

9.35mm

1930mm / 2170mm / 3770mm

39mm

15°

15°

361.1mm

41.4mm

41.4mm

237.9mm

6mm

93.5mm

200mm

90°

71mm

80mm

50mm

50.8mm

Ø8.2mm

Ø8.5mm

100mm

200mm

300mm

400mm

100mm

200mm

300mm

400mm

Ø25mm

10.5mm

30°

38.8mm

Ø150mm

40mm

500mm

72.4mm

144.9mm

38.8mm

THese instructions are intended as a guide only and B-Tech accepts no liability for the accuracy of the information contained in this document.