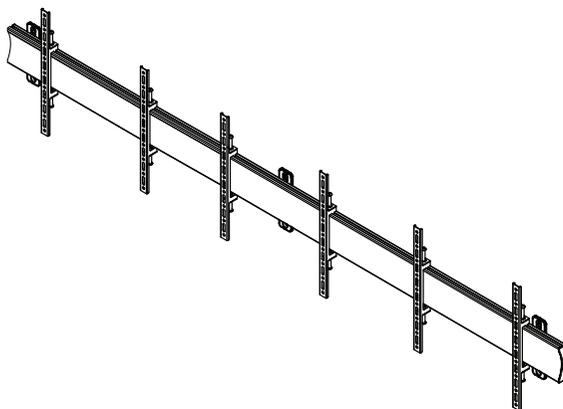


SYSTEM **X**

Universal Menu Board Mounting System

Installation Guide



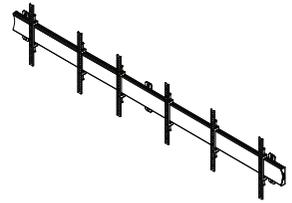
- Recommended screen size: 32" - 75"
- Max weight per screen: 50kg (110lbs)
- Suitable for landscape or portrait mounting
- Sections can be joined together to increase menu board width
- Safety screws help prevent unauthorised removal of screens
- All mounting hardware included

Note: This assembly manual covers different installations. Some parts or procedures shown may not be required for installation.

Recommended Max Screen	Max Load Per Screen	Micro Adjustment	Post Install Alignment
75" 190cm	50kg [110lbs]		

Please refer to page 5 for VESA® fixings

Installation Safety Notes	2
Parts List	4
Typical Installation	6
Installation Instructions	7
Product Dimensions	17
B-Tech Contact Details	20



Installation & Operating Safety Instructions



Caution: This mount is intended for use only with the maximum weights indicated. Use with equipment 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 AV Mounts, 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 AV Mounts 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 the wall prior to installation as some surfaces 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. When drilling holes 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

It is highly recommended that all fixing screws be used where supplied and that the purpose of all other fixing hardware is fully understood. In some cases more 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. The fixing kit supplied with the product may not be suitable for all walls. 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 installation 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 (no more than 6 months apart) to ensure that safety is maintained. If in doubt consult a professional AV installer or other suitably qualified person.

- CN B-Tech AV Mounts 建议本产品由专业AV安装人员或其他合格人员安装。B-Tech AV Mounts 及它的代理商、经销商不对由于不恰当的安装而造成的损失或伤害负责。本产品必须安装在合适的架构上，并仅用于不超过所标示的最大承重。
- CS Společnost B-Tech AV Mounts doporučuje provést instalaci tohoto produktu instalátora AV či jinak způsobilé osoby. Společnost B-Tech AV Mounts a prodejci distributorů a prodejci nenesou prostřednictvím odborného odpov. osob. žádnou odpovědnost za škody nebo zranění způsobená nevhodnou instalací. Tento výrobek je nutno umístit do vhodné konstrukce a používat jen po uvedené maximální výšce.
- DE B-Tech AV Mounts empfiehlt, dass dieses Produkt durch einen qualifizierten AV-Techniker oder eine andere Person mit geeigneter Qualifikation installiert wird. B-Tech AV Mounts, ihre Distributoren und Händler können nicht für durch fehlerhafte Montage verursachte Beschädigung oder Verletzung haftbar bzw. verantwortlich gemacht werden. Dieses Produkt muss auf einem geeigneten Untergrund montiert werden und darf nur bis zum angegebenen Höchstgewicht verwendet werden.
- EN B-Tech AV Mounts recommends that this product be installed by a qualified AV technician or other suitably qualified person. B-Tech AV Mounts, 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. This product must be mounted on a suitable surface and may only be used up to the specified maximum weight.
- ES B-Tech AV Mounts recomienda que un instalador de audio y video profesional u otra persona debidamente cualificada instalen este producto. B-Tech AV Mounts, sus distribuidores y concesionarios no se hacen cargo ni se responsabilizan de ningún daño o lesión provocados por una instalación inapropiada. Este producto se debe montar en una estructura adecuada y se debe utilizar soportando solamente hasta el peso máximo indicado.
- FR B-Tech AV Mounts recommande de confier l'installation de ce produit à un installateur AV professionnel ou à une autre personne dûment qualifiée. B-Tech AV Mounts, ses distributeurs et ses revendeurs ne sauraient être tenus responsables de tout dégât ou de toute blessure résultant d'une installation incorrecte. Ce produit doit être monté sur un support approprié et utilisé dans la limite du poids maximum indiqué.
- IT B-Tech AV Mounts consiglia di affidare l'installazione di questo prodotto a un installatore specializzato o ad altra persona adeguatamente qualificata. B-Tech AV Mounts, i suoi distributori e rivenditori non accettano alcuna responsabilità nei riguardi di eventuali danni o infortuni causati da un'errata installazione. Questo prodotto deve essere fissato a una struttura idonea e utilizzato unicamente sino al peso massimo indicato.
- JP B-Tech AV Mounts はAV設置の専門家または適合した知識を備えた人が製品を設置することを推奨します。B-Tech AV Mountsと販売店、取引先はこうした安全指針に従わない場合に随伴される製品の損傷や傷害に対する責任を負いません。場合によって製品が設置されるに適していないところもあるので設置位置に特別な注意を傾けてください。この製品の位置に注意を傾けて設置に適していない壁があるかを確認してください。指定した重さ制限を超過するAV装備を装着しないでください。
- KR B-Tech AV Mounts 는 AV 설치 전문가 또는 적합한 지식을 갖춘 사람이 제품을 설치하도록 권장합니다. B-Tech AV Mounts 와 판매점, 거래처는 이러한 안전 지침을 따르지 않을 경우 수반될 제품의 손상이나 상해에 대한 책임을 지지 않습니다. 경우에 따라 제품이 설치되기에 적합하지 않은 곳들도 있으므로 설치 위치에 특별한 주의를 기울여 주시기 바랍니다. 제품의 설치 위치에 주의를 기울여 확인하십시오. 지정된 무게 제한을 초과하는 AV 장비를 장착하지 마십시오.
- NL B-Tech AV Mounts adviseert om dit product te laten installeren door een professionele AV-instalateur of andere hiervoor gekwalificeerde persoon. B-Tech AV Mounts, haar distributeurs en dealers zijn niet aansprakelijk of verantwoordelijk voor schade of letsel die is veroorzaakt door onoordeelkundige installatie. Dit product moet worden gemonteerd aan een geschikte constructie, waarbij het aangegeven maximum gewicht niet mag worden overschreden.
- PL Firma B-Tech AV Mounts zaleca, aby ten produkt był instalowany przez profesjonalnych instalatorów AV lub inny odpowiednio przeszkolony personel. Firma B-Tech AV Mounts, jej dystrybutorzy i dealerzy nie ponoszą odpowiedzialności za uszkodzenia lub obrażenia ciała powstałe w wyniku nieprawidłowej instalacji. Niniejszy produkt musi być amontowany na odpowiedniej powierzchni, a podczas użytkowania nie wolno przekraczać podanego maksymalnego obciążenia.
- PT A B-Tech AV Mounts recomenda que a instalação deste produto seja efectuada por um instalador de AV instalador de AV profissional ou outra pessoa devidamente habilitada. A B-Tech AV Mounts e os seus distribuidores e concessionários não são responsáveis por danos ou lesões causados por uma instalação incorrecta. Este produto tem de ser montado numa estrutura adequada e utilizado somente até ao peso máximo indicado.
- RU Компания B-Tech AV Mounts рекомендует, чтобы установка данного изделия производилась инженером по установке аудио-видеотехники или другим специалистом с соответствующей квалификацией. Компания B-Tech AV Mounts ее дистрибьюторы и дилеры не несут ответственности за повреждения или травмы, полученные в результате неправильной установки.

توصي بي-تلك للتجارة الدولية المحدودة بأن شخص محترف في تركيب ال AV أو شخص مؤهل تأهيلا مناسباً لتركيب هذا المنتج. بي-تلك للتجارة الدولية، موزع عليها والتجار ليست عرضة أو مسؤولة عن الأضرار أو الإصابات الناجمة عن تركيب غير سليم، والاستخدام غير السليم أو عدم مراعاة هذه التعليمات للسلامة. يجب أن يتم تركيب هذا المنتج في بنية مناسبة ويجب استخدامه فقط لدعم الحد الأقصى للوزن المشار إليه.

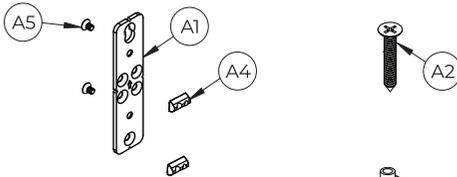
BT8330 Parts List

Please keep this for future reference

Due to the multiple installations available the quantity for each option below is dependent on the mount ordered. All these components can be moved or carried by manpower. Please be careful to avoid injury when handling these components before & during the installation or when uninstalling the mount.

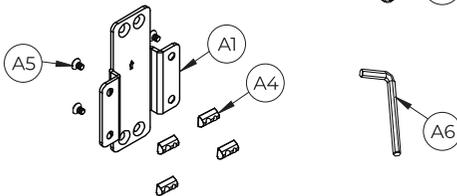
Rail Mounting Bracket

BT8390-WFK1



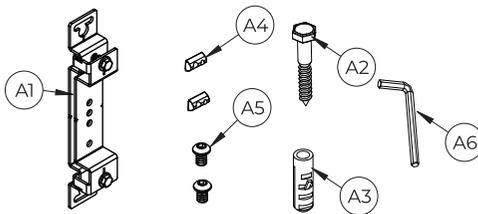
Item	Description	Qty per pack
A1	Wall Fixing Plate	1
A2	ST8 x 45mm Csk Wood Screw	2
A3	No.10 Wall Plug	2
A4	M8 Sliding Nut	2
A5	M8 x 12mm CSK Screw	2
A6	5AF Hex Key	1

BT8390-WFK2



Item	Description	Qty per pack
A1	Wall Fixing Plate	1
A2	ST8 x 45mm Csk Wood Screw	4
A3	No.10 Wall Plug	4
A4	M8 Sliding Nut	4
A5	M8 x 12mm CSK Screw	4
A6	5AF Hex Key	1

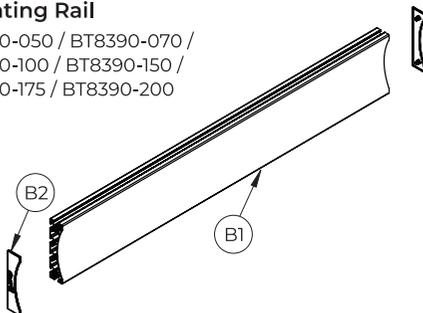
BT8390-WFK5



Item	Description	Qty per pack
A1	Adjustable Depth Fixing Plate	1
A2	M8 x 50mm Coach Screw	2
A3	No.10 Wall Plug	2
A4	M8 Sliding Nut	2
A5	M8 x 12mm CSK Screw	2
A6	5AF Hex Key	1

Mounting Rail

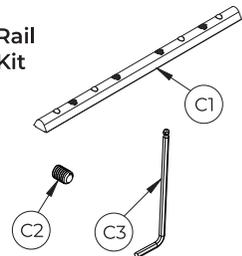
BT8390-050 / BT8390-070 /
BT8390-100 / BT8390-150 /
BT8390-175 / BT8390-200



Item	Description	Qty per pack
B1	Mounting Rail	1
B2	End Cap	2

Optional Mounting Rail Extension Kit

BT8390-EXT

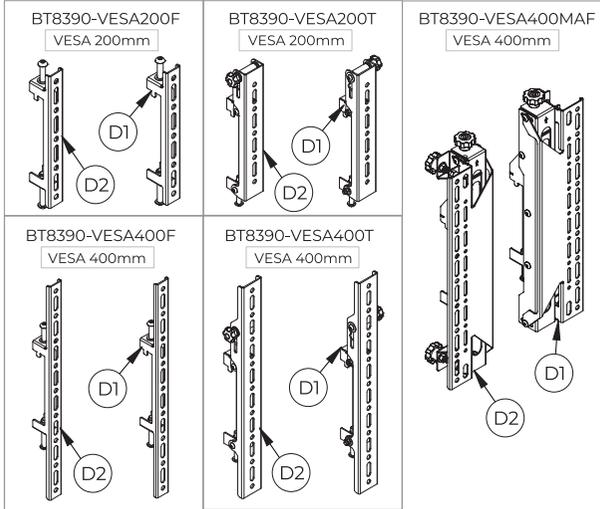


Item	Description	Qty per pack
C1	Joining Bar	6
C2	M6 x 8mm Grub Screw	24
C3	3AF Hex Key	1

All these components can be moved or carried by manpower. Please be careful to avoid injury when handling these components before & during the installation or when uninstalling the mount.

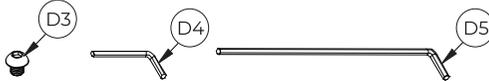
Interface Fixing Kit

Screen Interface Arms

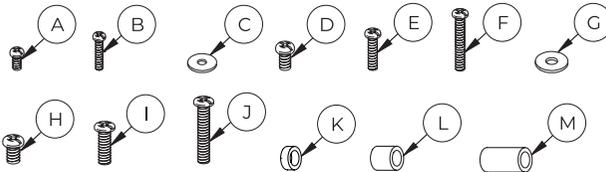


Item	Description	Qty per pack
D1	Interface Arm - Left	1
D2	Interface Arm - Right	1
D3	M6 x 8mm Screw**	4
D4	4AF Hex Key**	1
D5	5AF Hex Key	1
Screen Fixings		
A	M4 x 12mm Screw*	4
B	M4 x 25mm Screw*	4
C	M4 Washer*	4
D	M6 x 16mm Screw	4
E	M6 x 25mm Screw	4
F	M6 x 40mm Screw	4
G	M6 Washer	4
H	M8 x 16mm Screw	4
I	M8 x 25mm Screw	4
J	M8 x 50mm Screw	4
K	5mm Spacer	4
L	15mm Spacer	4
M	25mm Spacer	4

Interface Arm Kit



Screen Fixing Kit



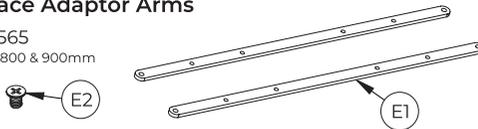
* Not included with the BT8390-VESA400F, BT8390-VESA400T or BT8390-VESA400MAF
 ** Not included with the BT8390-VESA400MAF, BT8390-VESA200F or BT8390-VESA400F

Suitable for loads up to 50kg (110lbs) per screen



Optional Interface Adaptor Arms

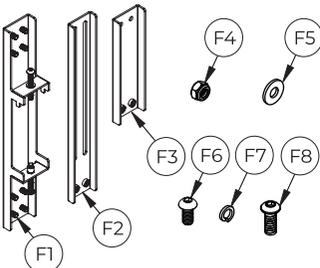
BT7564 / BT7565
 VESA 600mm / VESA 800 & 900mm



Item	Description	Qty per pack
E1	Adaptor Arms	2
E2	M8 x 12mm Screw	4

Optional Accessory Mounting Arm

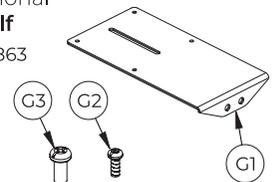
BT8390-SA



Item	Description	Qty per pack
F1	Hook On Arm	1
F2	Long Extension Arm	1
F3	Short Extension Arm	1
F4	Nut	4
F5	Washer	4
F6	M8 X 16mm Screw	4
F7	Spring Washer	4
F8	M8 x 20mm Screw	2

Optional Shelf

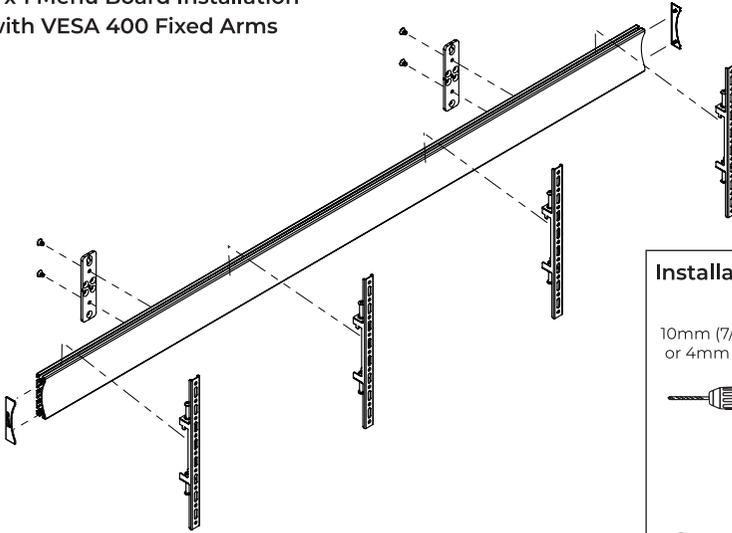
BT7863



Item	Description	Qty per pack
G1	VC Shelf	1
G2	M4 x 10mm Screw	4
G3	UNC 1/4" x 1/2" Screw	1

Typical Installations

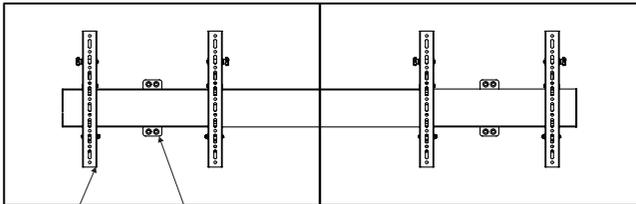
2 x 1 Menu Board Installation with VESA 400 Fixed Arms



Installation Tools Required

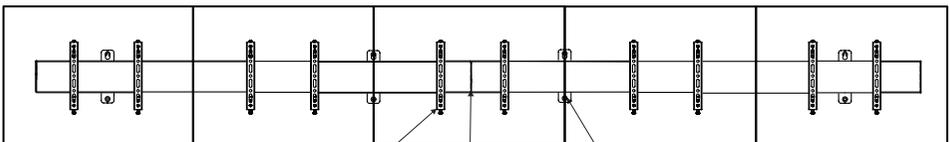
- Drill
10mm (7/16") masonry bit
or 4mm (5/32") wood bit
 - Pencil
 - Screwdriver
 - Stud Finder (Optional)
 - Level
-

2 x 1 Videowall installation with VESA 400 Tilt Arms



BT8390-VESA400T BT8390-WFK2

5 x 1 Videowall installation with VESA 200 Fixed Arms



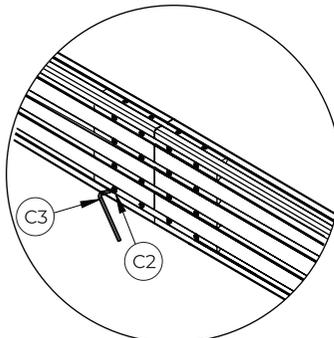
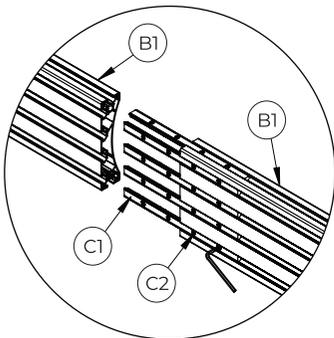
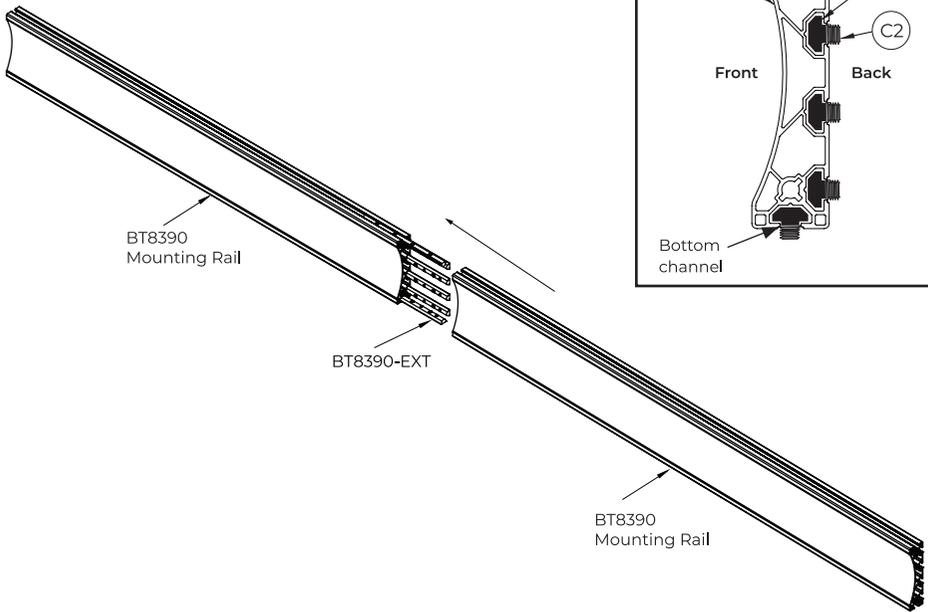
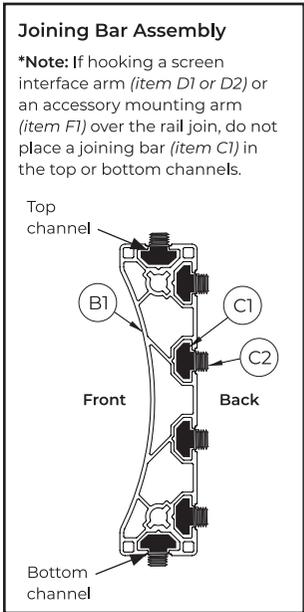
BT8390-VESA200F BT8390-EXT BT8390-WFK1

*Note: Wall fixing brackets (BT8390-WFK) cannot be installed directly behind a rail joining kit (BT8390-EXT)

Optional Extending The Mounting Rail

Combining Mounting Rails

- i. On the back, top and bottom* of *item B1*, insert *item C1* halfway into each channel.
- ii. On each joining bar, loosely fasten *item C2* fixing it to the mounting rail.
- iii. Slide the second rail (*item B1*) onto *item C1* and tighten all *items C2*, combining the rails securely.

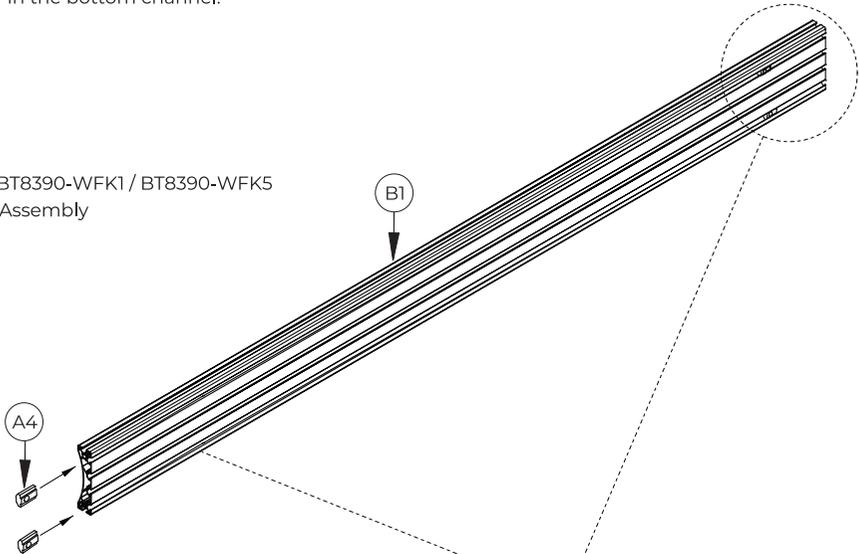


Installation Instructions

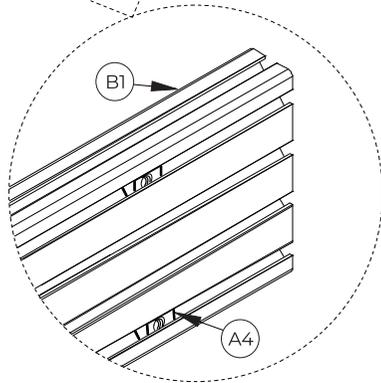
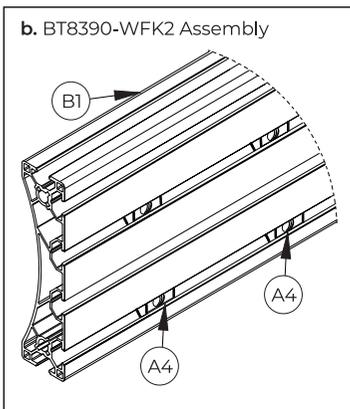
1. Insert M8 Sliding Nuts Into Mounting Rail

- a i. BT8390-WFK1 / BT8390-WFK5 assembly.
For each *item A1* to be fitted onto the rail, insert 2x *item A4* into *item B1*. 1x in the top channel and 1x in the bottom channel.
- b i. BT8390-WFK2 assembly. For each *item A1* to be fitted, insert 4x *item A4* into *item B1*. 2x in the second from top channel and 2x in the bottom channel.

- a. BT8390-WFK1 / BT8390-WFK5 Assembly



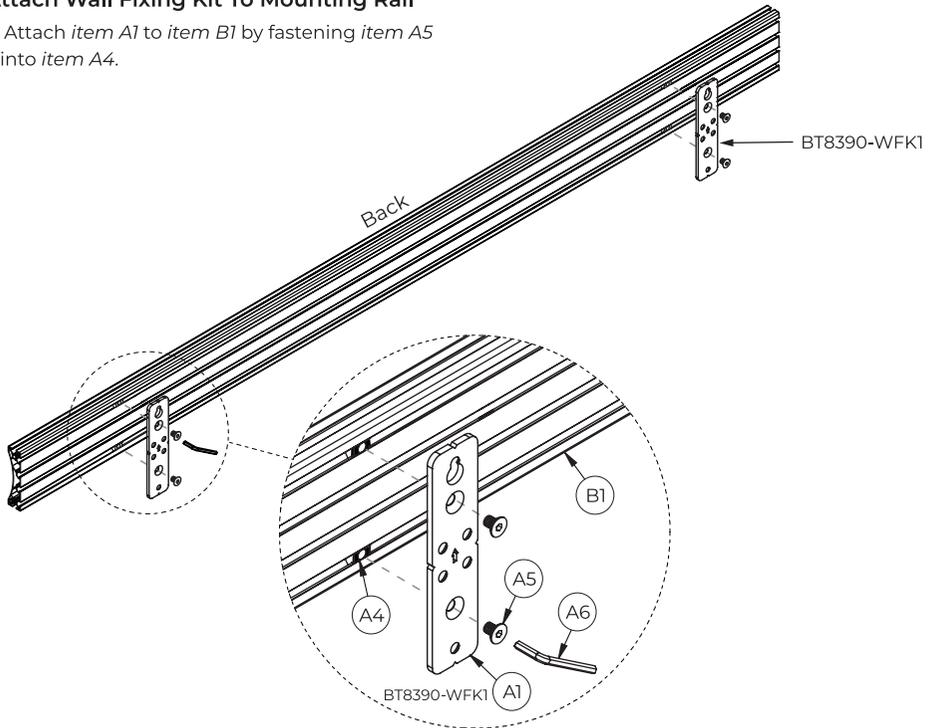
- b. BT8390-WFK2 Assembly



a. BT8390-WFK1

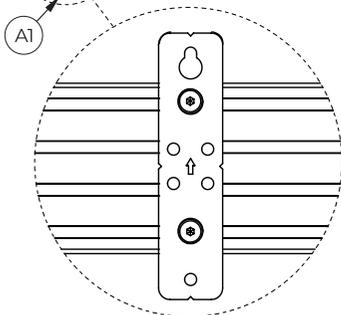
Attach Wall Fixing Kit To Mounting Rail

ii. Attach item A1 to item B1 by fastening item A5 into item A4.



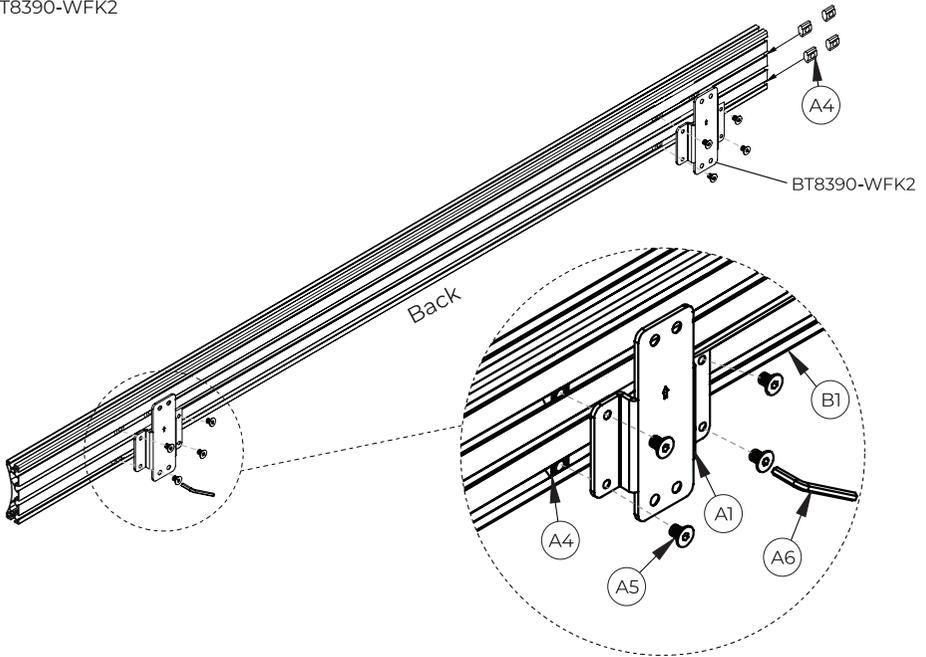
Required quantity of Rail Fixing Brackets (item A1)

2pcs for 0 - 2000mm (0 - 79")
 3pcs for 2100mm - 3500mm (80" - 139")
 4pcs for 3600mm - 6000mm (140" - 239")
 5pcs for 6100mm - 8000mm (240" - 319")
 6pcs for 8100mm - 10000mm (320" - 400")



BT8390-WFK1	BT8390-WFK2	BT8390-WFK5
Depth 35mm (1.38")	Depth 49mm (1.93")	Adjustable Depth 38-48mm (1.5-1.93")

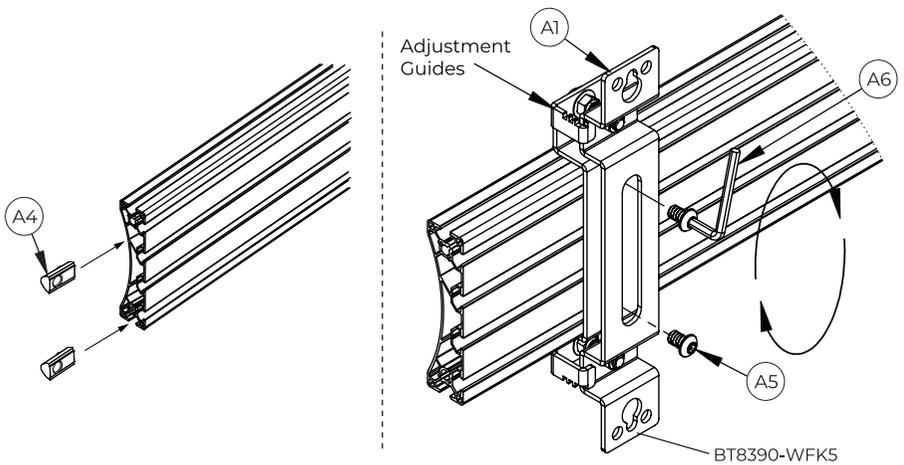
b. BT8390-WFK2



c. BT8390-WFK5

Attach Wall Fixing Kit To Mounting Rail

- i. Insert 1x item A4 into the top and bottom channels of item B1.
- ii. Attach item A1 to item B1 using item A5.

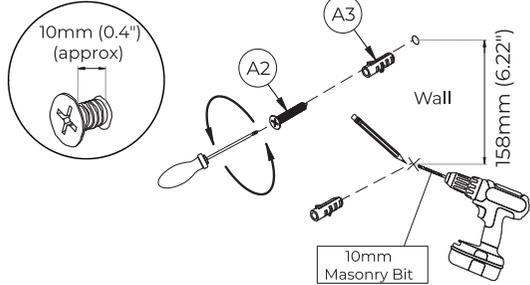
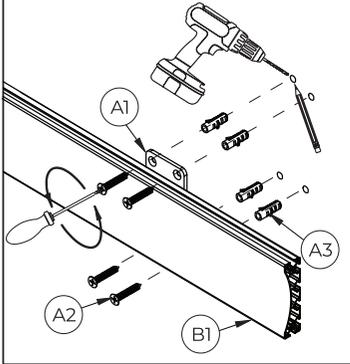


2. Fix Mounting Rail To The Wall

a. BT8390-WFK1 - Keyhole Fixing

- i. Mark and drill two fixing holes for each wall plate (*item A1*) assembled.
- ii. Insert *item A2* into the top hole, do not fully tighten - allow a gap (approx. 10mm) to hook on *item A1*.

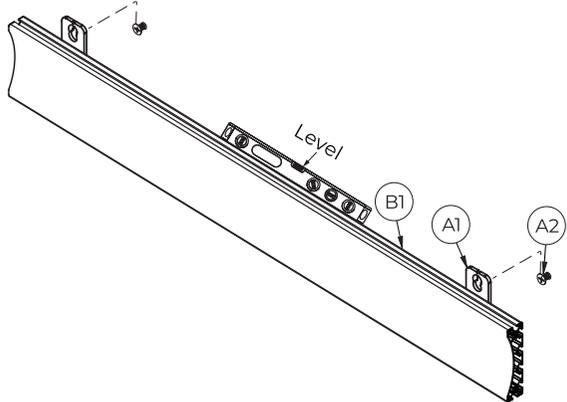
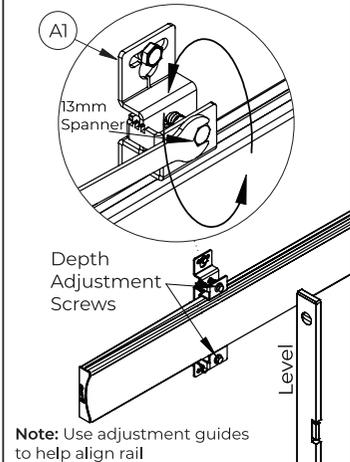
b. BT8390-WFK2 - Wall Mounting



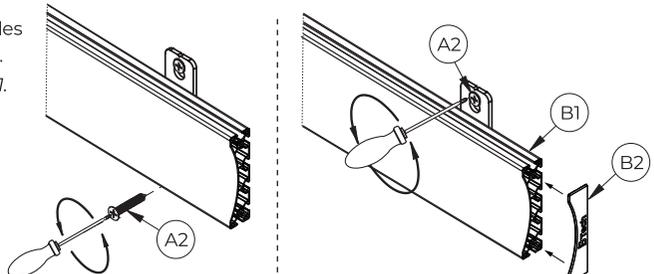
Note: *item A3* note required for mounting onto wooden studs.

- iii. Hook *items A1 / B1* onto *item A2*.

c. BT8390-WFK5 - Levelling



- iv. Add *item A2* into the bottom holes of *item A1* and tighten all fixings.
- v. Fit *item B2* to the ends of *item B1*.

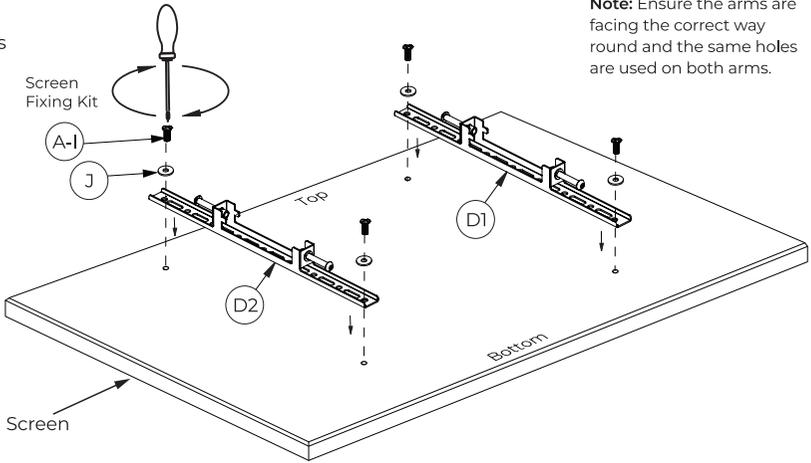


3. Attach Interface Arms To Screen

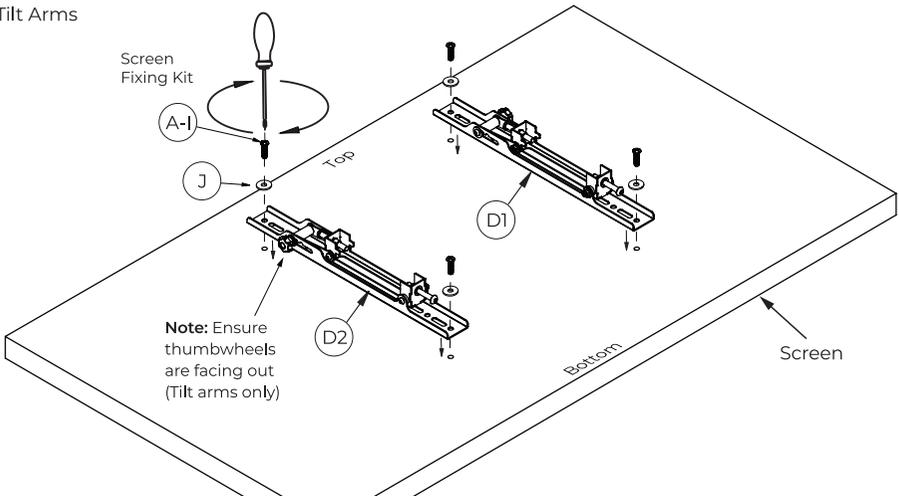
Fix items *D1* & *D2* to the rear of the screen using items *A-M*.

Note: Ensure the arms are facing the correct way round and the same holes are used on both arms.

a. Fixed Arms

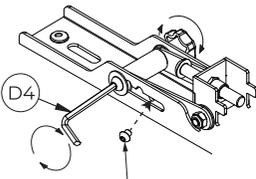


b. Tilt Arms

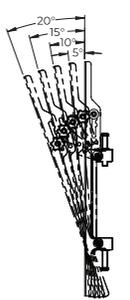


BT8390-VESA200T / BT8390-VESA400T

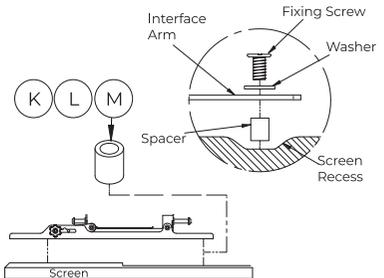
For tilt adjustment, use item *D4* to loosen the screw and thumbwheel on the interface arms. Re-tighten screw to fix tilt angle.



Use item *D3* for a fixed 0° display



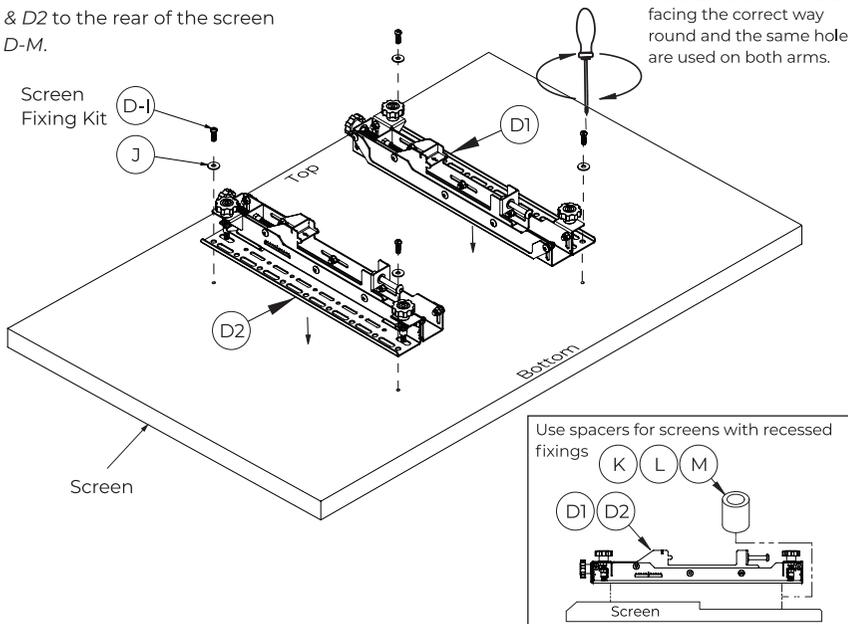
Use spacers for screens with recessed fixings



c. Micro-Adjustment Arms

Fix items *D1* & *D2* to the rear of the screen using items *D-M*.

Note: Ensure the arms are facing the correct way round and the same holes are used on both arms.

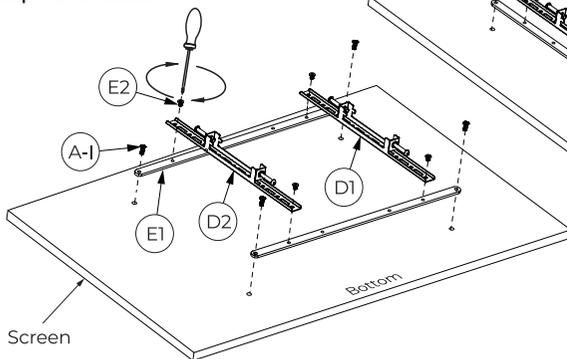


Optional Adaptor Arms

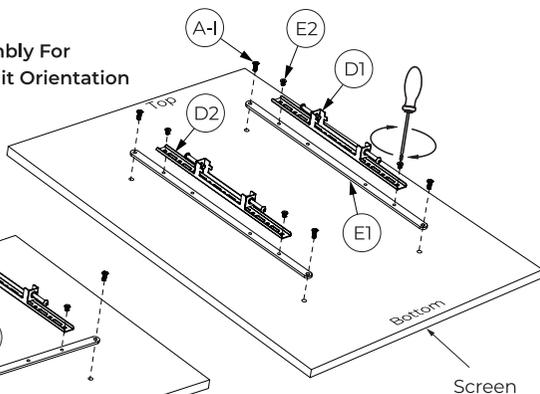
Attach Adaptor Arms To Interface Arms

- i. Use item *E2* to fix item *E1* to items *D1* & *D2*.
- ii. Attach item *E1* to the screen using the screen fixing kit.

Assembly For Landscape Orientation

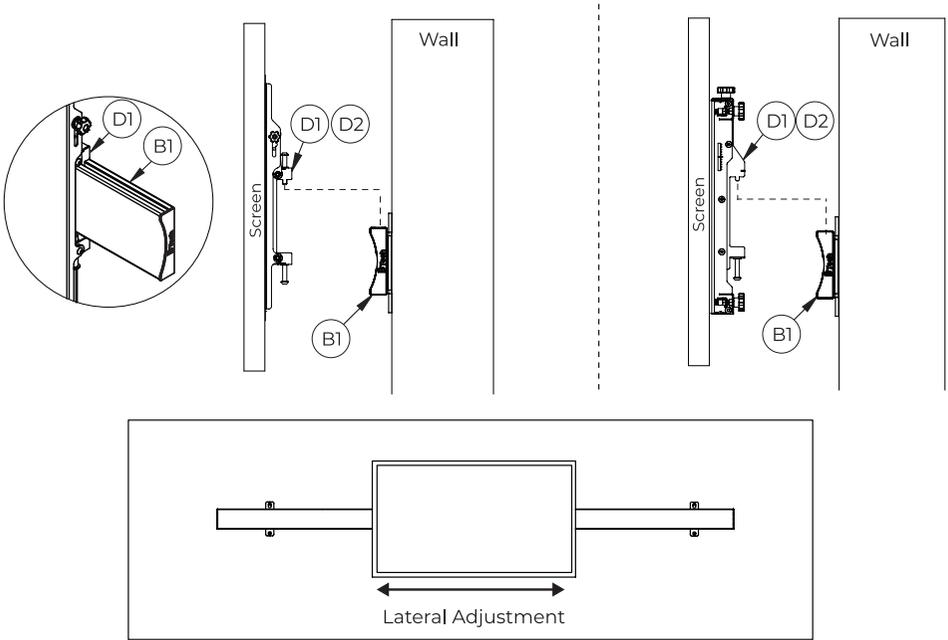


Assembly For Portrait Orientation



4. Hook Screen Onto Rail

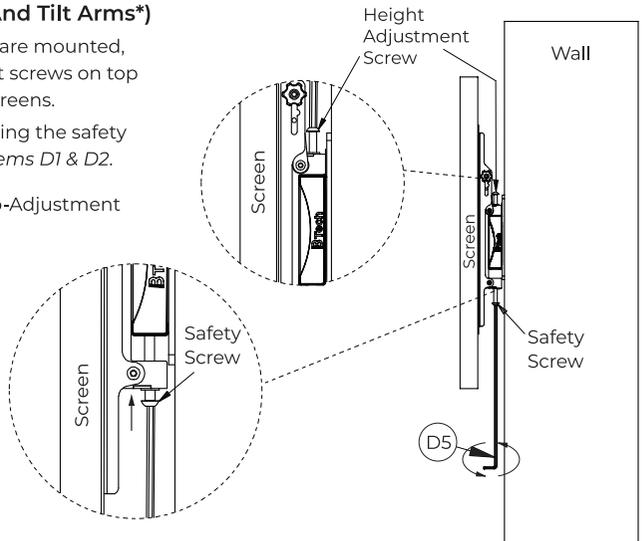
- i. Hook the first screen centrally onto *item B1*.
- ii. Once first screen is in position, mount the remaining screens onto the rail.



5. Secure Screens (Fixed And Tilt Arms*)

- i. Optional: Once all screens are mounted, use the height adjustment screws on top of *items D1 & D2* to level screens.
- ii. Secure screens by tightening the safety screw on the bottom of *items D1 & D2*.

*For screen alignment using Micro-Adjustment arms - See page 15.

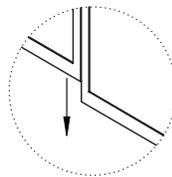
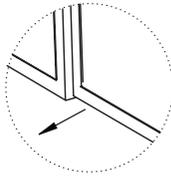
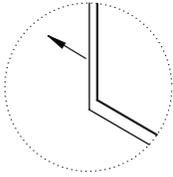
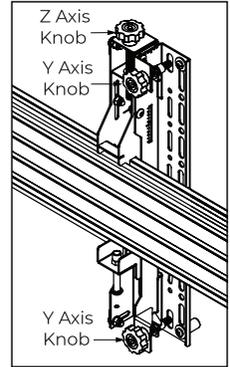
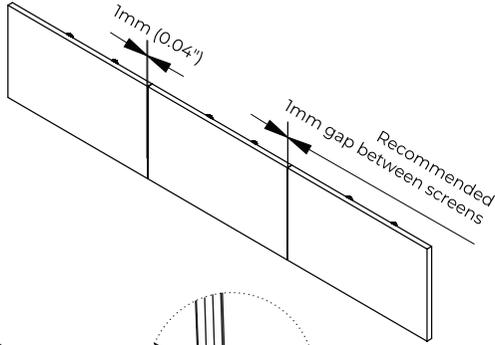


Operating Instructions

Screen Alignment Using Micro-Adjustment

(Only available with BT8390-VESA400MAF)

- i. Use the Y & Z micro-adjustment knobs on items D1 & D2 to align screens.



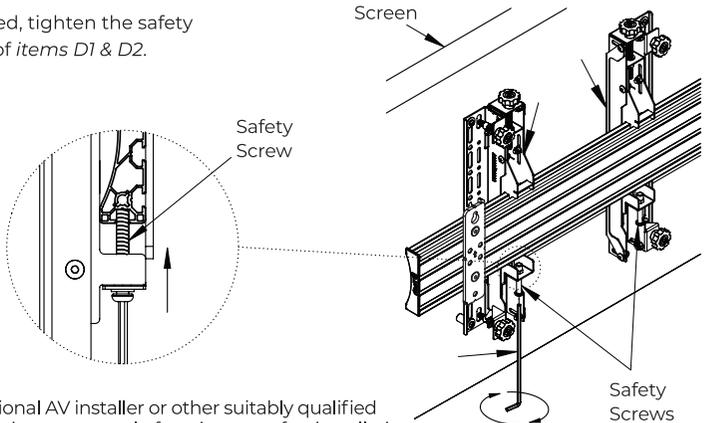
Use **Lateral adjustment** to align sides of screens

Use **Depth adjustment (Z axis knobs)** to align front of screens

Use **Height adjustment (Y axis knobs)** to align bottom/top of screens

<p>Y Axis Knob</p> <p>Z Axis Knobs</p>	<p>Adjustment knobs are also compatible with 6mm allen key</p> <p>Adjustment lines to help with accurate Y & Z axis screen alignment</p>	<p>Total Y axis adjustment is +/-25mm</p> <p>Total Z axis adjustment is 20mm</p> <p>Note: Light pressure in the desired direction of travel will assist in the adjustment of knobs when using heavier screens</p>	
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- ii. Once screens are aligned, tighten the safety screws on the bottom of items D1 & D2.



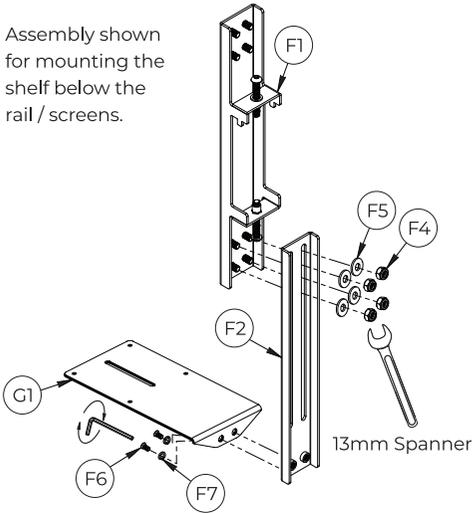
Warning! Contact a professional AV installer or other suitably qualified person for any further operation or removal of equipment after installation.

Optional Component Accessories

Installing A Camera Shelf

- i. Attach item F2 to item F1 using items F4 & F5.
- ii. Attach item G1 to item F2 using items F6 & F7.

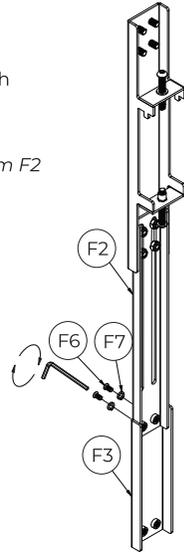
Assembly shown for mounting the shelf below the rail / screens.



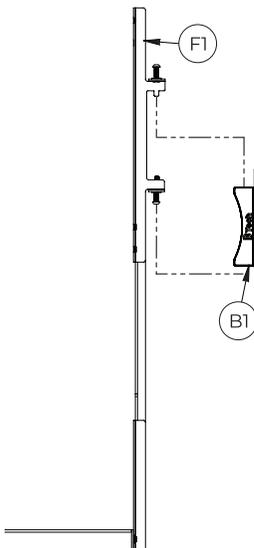
Note: Assemble accessory arm onto the mounting rail before mounting screens to rail.

Optional Add Extension Bar

- i. For an extended reach attach item F3 onto item F2.
- ii. Attach item G1 to item F2 using items F6 & F7.

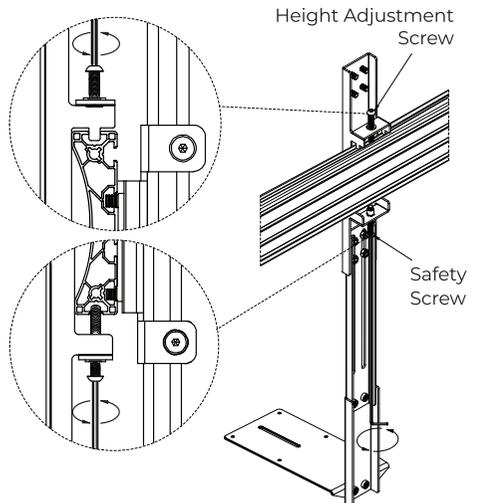


- iii. Hook item F1 onto item B1.



- iv. Secure shelf to rail.

Optional: Level the shelf bracket by using height adjustment screw on item F1. Use the safety screw underneath the hook arm to secure the shelf bracket to rail.



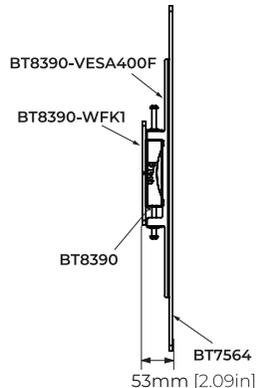
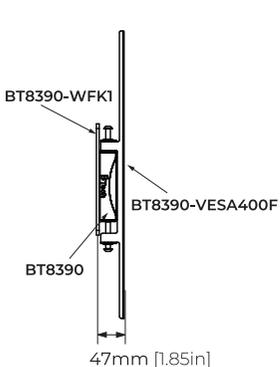
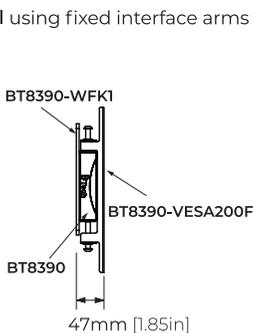
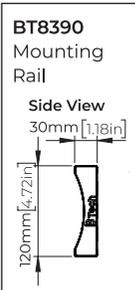
- v. Use items G2 & G3 to fix a camera to item G1.

BT8330 Dimensions

Depending on installation requirements, the BT8330 Menu Board Wall Mounting Kit will feature a selection of the following products.

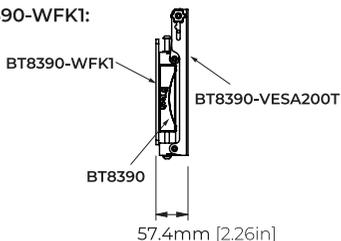
Please keep this for future reference

Depth of install using fixed interface arms

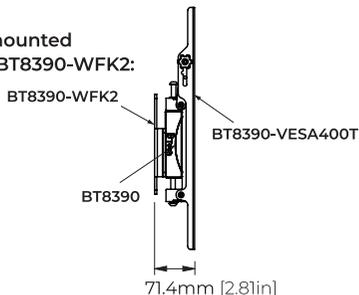


Depth of install using interface arms with tilt

Wall mounted using BT8390-WFK1:

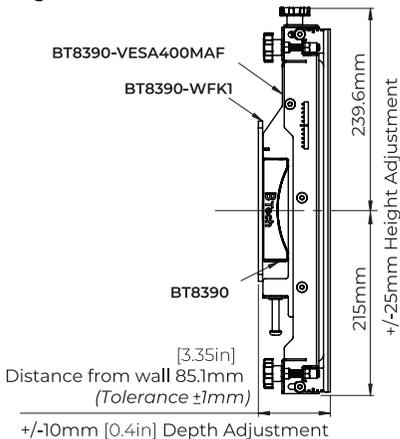


Wall mounted using BT8390-WFK2:

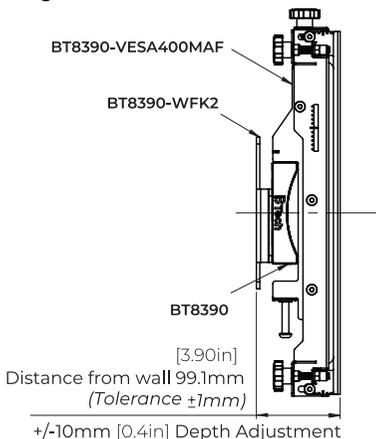


Depth of install using interface arms with micro-adjustment

Wall mounted using BT8390-WFK1:



Wall mounted using BT8390-WFK2:



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

BT8330 Dimensions

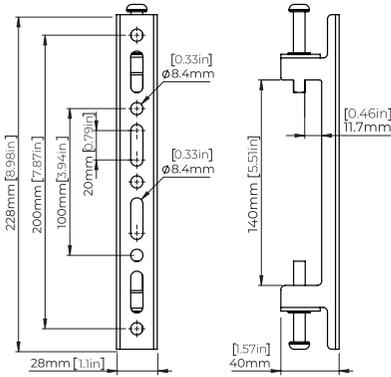
Please keep this for future reference

Depending on installation requirements, the BT8330 Menu Board Wall Mounting Kit will feature a selection of the following products.

Interface Arms

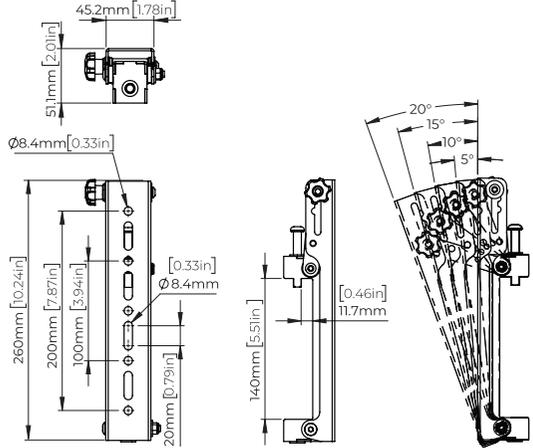
BT8390-VESA200F

Fixed VESA 200mm Interface Arms



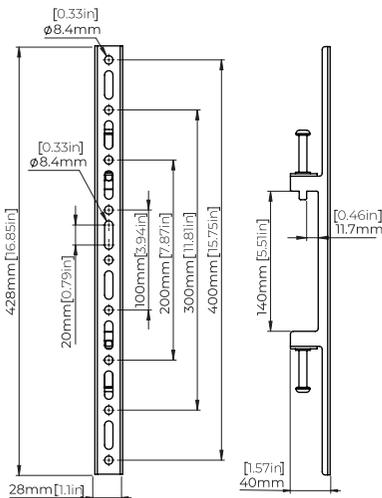
BT8390-VESA200T

VESA 200mm Interface Arms with Tilt



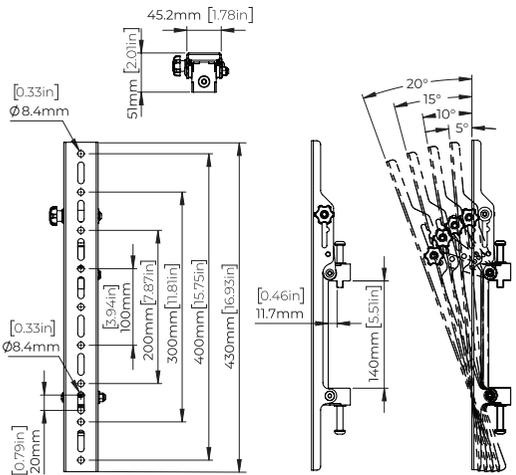
BT8390-VESA400F

Fixed VESA 400mm Interface Arms



BT8390-VESA400T

VESA 400mm Interface Arms with Tilt



Contact: info@btechavmounts.com

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AMA-BT8330-V2.1-I024-BTECH Made in the P.R.C.

