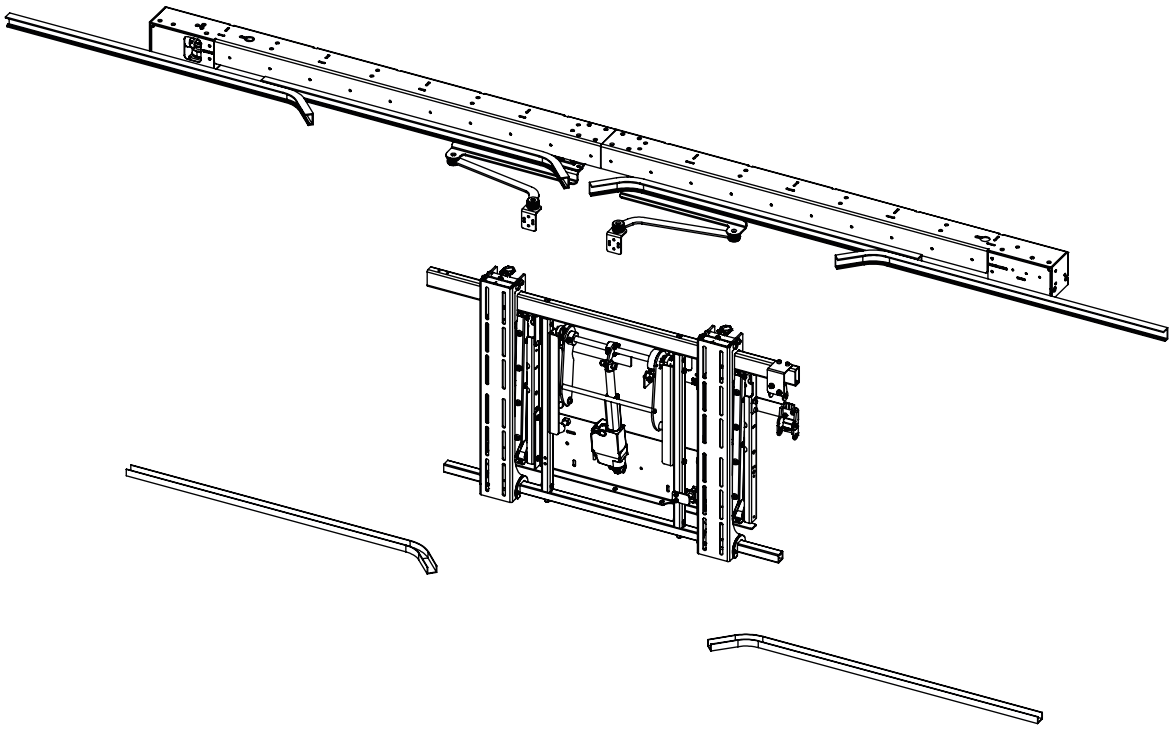
future automation

MDM-RS

MOVING DOOR MECHANISM - RETRACT & SPLIT WITH ADVANCE BRACKET



INSTALLATION
INSTRUCTIONS

ISSUE **003**

SAFETY
DISCLAIMER

IMPORTANT SAFETY INSTRUCTIONS BELOW

WARNING: Failure to provide adequate structural strengthening, prior to installation can result in serious personal injury or damage to the equipment. It is the installer's responsibility to ensure the structure to which the component is affixed can support four times the weight of the component and any additional apparatus mounted to the component.

WARNING: Do not exceed the weight capacity for this product as listed below. This can result in serious personal injury or damage to the equipment. It is the installer's responsibility to ensure that the total combined weight of all attached components does not exceed that of the maximum figure stated.

WARNING: Risk of death or serious injury may occur when children climb on audio and/or video equipment or furniture. A remote control or toys placed on the furnishing may encourage a child to climb on the furnishing and as a result the furnishing may tip over on to the child.

WARNING: Risk of death or serious injury may occur. Relocating audio and/or video equipment to furniture not specifically designed to support audio and/or video equipment may result in death or serious injury due to the furnishing collapsing or over turning onto a child or adult.

WARNING – RISK OF INJURY!

Only for use with equipment weighing **220LBS (100KG) OR LESS**.

Moving Panels may only weigh **154LBS (70KG) OR LESS EACH**.

Use with heavier projectors/equipment may lead to instability causing tip over or failure resulting in death or serious injury.

Bracket Suitable for Residential and Commercial Use.

ADDITIONAL WARNINGS:

1. Keep all documentation/instructions after fitting.
2. Read all technical instructions fully before installation and use. It is the installer's responsibility to ensure that all documentation is passed on to the end user and read fully before operation.
3. Do not use near water or outdoors unless the product has been specifically designed to do so.
4. Protect any cables or cords being used near this bracket from being walked on or pinched to prevent damage and risk of injury.
5. Use this product only for its intended purpose as described in the product instructions and only use attachments/ accessories specified by the manufacturer.
6. Do not operate the product if it is damaged in any way, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped. Contact the original installer/manufacturer to arrange repair or return.

WARNING - To reduce the risk of burns, fire, electric shock, or injury to persons:

1. Clean only with a dry cloth and always unplug any electrical items being used in conjunction with this product before cleaning.

Future Sound & Vision trading as Future Automation intend to make this and all documentation as accurate as possible. However, Future Automation makes no claim that the information contained herein covers all details, conditions or variations, nor does it provide for every possible contingency in connection with the installation or use of this product. The information contained in this document is subject to change without prior notice or obligation of any kind. Future Automation makes no representation of warranty, expressed or implied, regarding the information contained herein. Future Automation assumes no responsibility for accuracy, completeness or sufficiency of the information contained in this document.

PRODUCT WARRANTY
& RISK ASSESSMENT

WARRANTY INFORMATION

WARNING - The warranty offered for this product shall be annulled if the product is used improperly or in a way that is in breach of our Terms of Service.

Future Automation provides warranty for the mechanism you purchased for the period of **24 months** from the date of purchase, provided that it isn't used for unintended purposes.

Under the warranty, Future Automation aims to either solve the issue remotely (via telephone or email support) or if the mechanism requires a part, arrange a visit to your premises by a Future Automation approved engineer or send replacement items where appropriate.

Warranty repairs will be carried out as quickly as possible, but subject to parts availability. This warranty period is respectively extended for the period of a repair.

A malfunctioning product must be cleaned and placed into suitable packaging to protect against transit damage before organising delivery to a repair workshop.

All the complaints about defects must be submitted to the vendor/installer that sold this product, rather than directly to the manufacturer.

Any part of your system that needs to be replaced during a warranty repair becomes the property of Future Automation.

The warranty does not cover the following:

- Damages resulting from improper product use or maintenance.
- Repairs carried out by unauthorized persons.
- Natural wear and tear during operation.
- Damages caused by the buyer.
- Accidental damages caused by a customer or damages caused as a result of careless attitude or usage, or damages caused by natural disasters (natural phenomena).
- Any electrical, or other environmental work external to your Future Automation mechanism including power cuts, surges etc.
- Additional items not supplied by Future Automation although they may have been supplied together by the retailer
- Any 3rd party software products controlling your mechanism
- Any transfer of ownership. Warranty is provided only to the initial purchaser.
- Compensation for loss of use of the product, and consequential loss of any kind.

A separate Safety and Servicing Information document is provided with these instructions (additional copies can be found at www.futureautomation.co.uk/safety), and this document **MUST** be filled out by the approved Future Automation Dealer who is installing the product. This Warranty Sheet must be held by the end user for the duration of the products life and will be referred to during servicing or warranty queries.

The Safety and Servicing Information document also contains two Service History Forms that must be filled in by the approved Future Automation dealer who is performing the first required yearly service of this product.

One copy of the Service History Form must be held by the customer (along with the Warranty Sheet) and a duplicate copy must be held by the approved Future Automation dealer that performed the service. Missing and/or mismatching documents may delay or invalidate warranty claims.

Additional Service History Forms can be found on the Future Automation website for further yearly services.

RISK ASSESSMENT INFORMATION

It is the installer's responsibility to perform a risk assessment of installed products. Future Automation can provide guidelines to installers/dealer about what should be included in a risk assessment, but due to the individual nuances of each location/site, Future Automation cannot provide a full list of areas to risk assess.

For full risk assessment and safety information please view our Safety and Servicing guide available at www.futureautomation.net/safety

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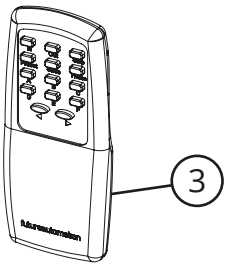
GENERAL CONTROL 19

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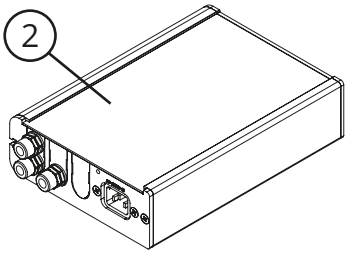
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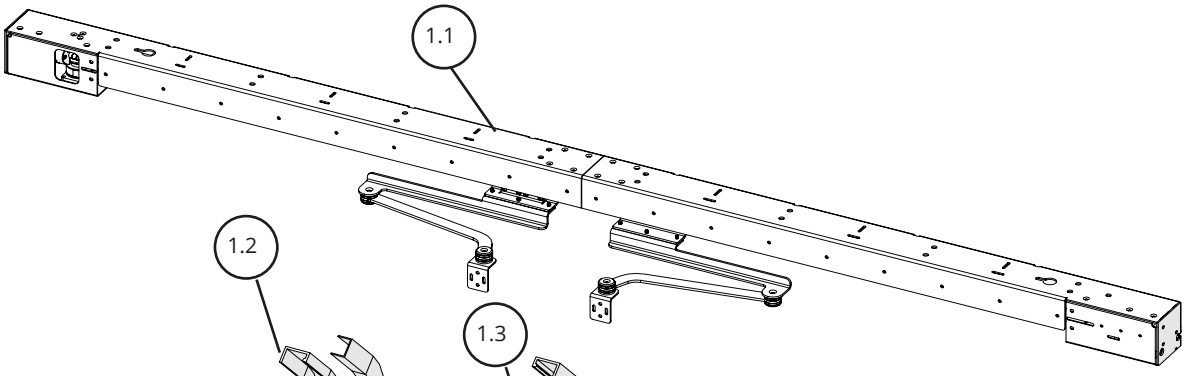


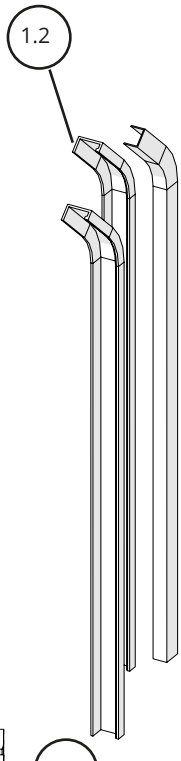
1 - MDM-RS MECHANISM & AB OPTION
- 1.1 - MDM-RS MECHANISM
- 1.2 - PANEL GUIDE RAILS LEFT
- 1.3 - PANEL GUIDE RAILS RIGHT
- 1.4 - PANEL TOP HANGER BRACKET
- 1.5 - PANEL BOTTOM GUIDE BRACKET
- 1.6 - PANEL BRACKET PACKING BLOCK
- 1.7 - ADVANCE BRACKET UNIT

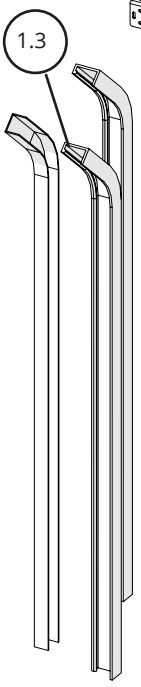


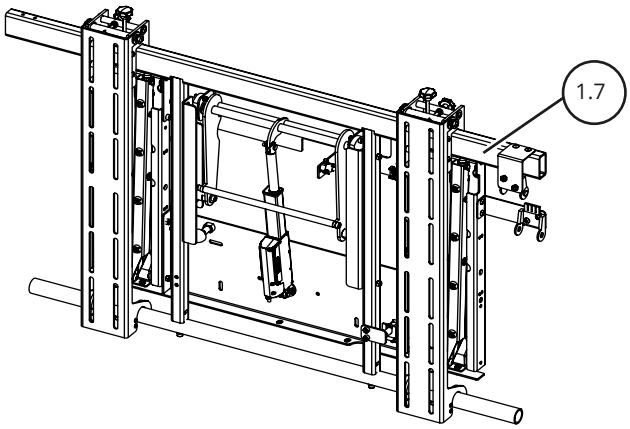
2 - CONTROL BOX
3 - IR REMOTE CONTROL

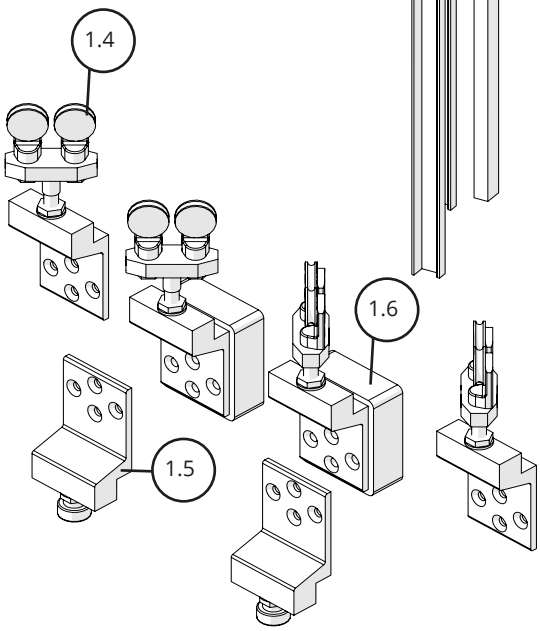
ITEMS NOT SHOWN ON PAGE
MDM ACCESSORY PACK:B
- 2X AAA BATTERIES
- MULTI-PACK NUTS, BOLTS & WASHERS
- MAINS POWER, IR AND CONTACT CLOSURE LEADS











MECHANISM
QUICK-START GUIDE

Some Future Automation mechanisms may ship with the control box disconnected to prevent damage during transit. In order to operate the mechanism, the control box will need to reconnected, then have mains power applied along with the desired control method.

RECONNECTING THE CONTROL BOX

To reconnect the mechanism control box, follow the below steps:

1. Make sure the power is disconnected from the control box.
2. Remove the retaining screw and washer from the end of the control box to allow removal of the control box lid. (Image 1 Below).
3. Slide off the control box lid to reveal the control board inside.
4. Locate the green connector on the end of the loom leading from the lift mechanism. This plug will have a small tag attached stating the correct connecting socket on the control board (e.g. “AC1”, “DC2”...) (Image 2 Below).
5. Plug the green connector into the corresponding socket on the control board. This plug is handed and will only connect correctly one way. Do NOT force the connector into the socket, this can cause serious damage to the control board and mechanism.
6. Route the wiring loom out of the end of the control box by inserting the black plastic inserts into the slots provided. (Image 3 Below).
7. Slide the control box cover back over the control board and replace the fixing screw and washer.



Image 1.

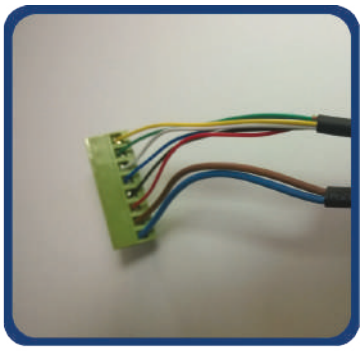


Image 2.



Image 3.



Image 4.

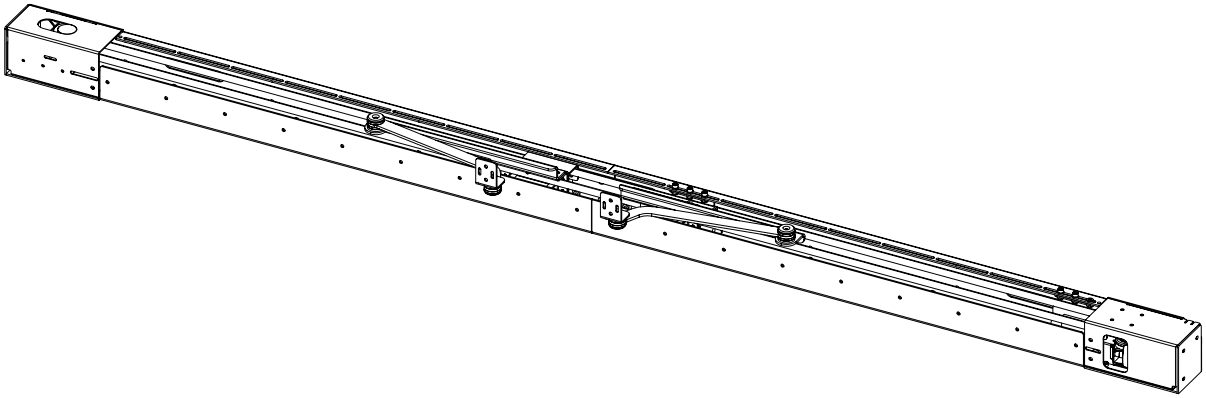
IMPORTANT

For the mechanism to operate, the green three way safety connector with the loop of wire attached, must also be plugged into the end of the control box. (Image 4 above). If this connector is not plugged in, a bright red LED will be visible inside control board and the Input Confirmation Input LED will be permanently illuminated.

MECHANISM
PRETESTING

Before installing your mechanism, it is important that you perform the following checks.

- The product is in good condition
- There is no damage to any parts of the mechanism
- All wiring is secure



1

Use the Quick Start Guide and connect mechanism to control board and familiarise yourself with mechanism operation.

2

Set up Mechanism on the floor or a table as shown above and run out and in to confirm the mechanism is in good working order.

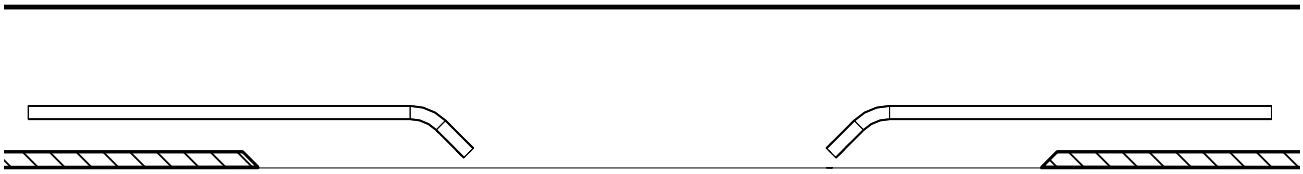
Mechanism is configured to Technical Sheet specified travel.

RAIL
INSTALLATION(LOWER)

Always measure physical Guide Rail before cutting channels - the radii of rails can fluctuate.

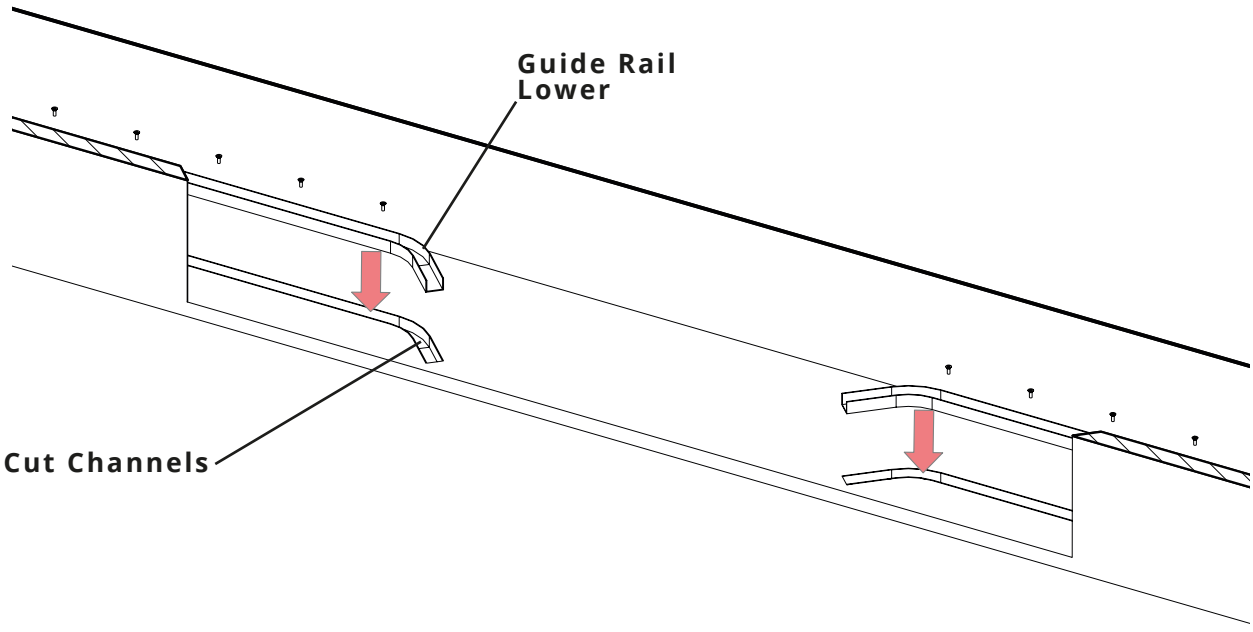
1

Mark out positions for rails on lower face of the cabinet
as per the Technical Sheet for your mechanism.
Cut channels in floor of cabinet for Lower Guide Rails.

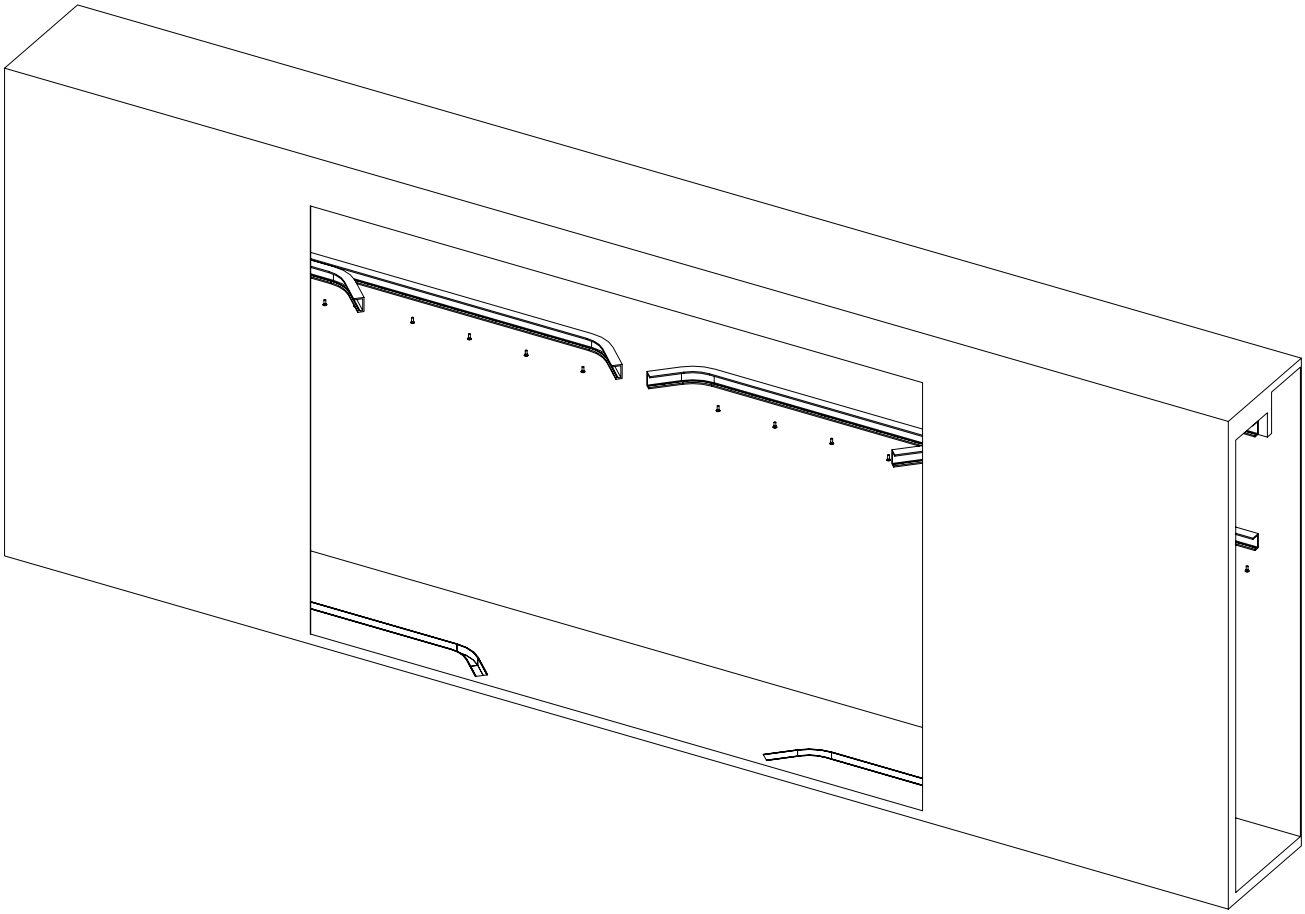


2

Install Guide Rails into channels
and fix with appropriate fixings
(Not supplied).



RAIL
INSTALLATION(UPPER)



1

Mark out positions for rails on upper face of the cabinet as per the Technical Sheet for your mechanism.

2

Use appropriate fixings (Not supplied) to secure the rails to the inside of the cabinet.

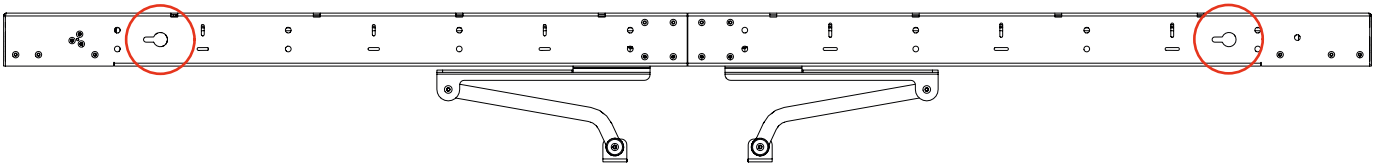
MDM-RS
INSTALLATION

1

The MDM must be mounted through the holes on the top of the mechanism.

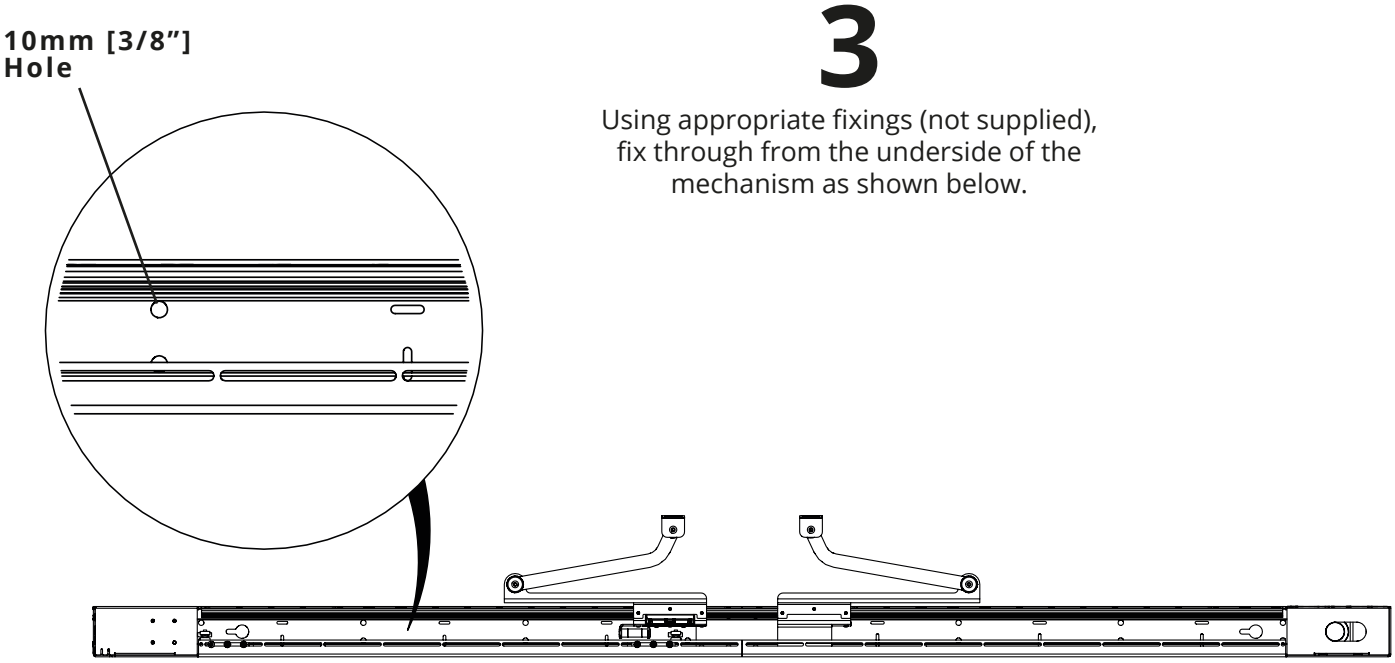
2

To make installation simpler there are keyhole slots on the top of the mechanism (highlighted below). These can be used to hook the mechanism in place and take the weight of it, before final fixing.



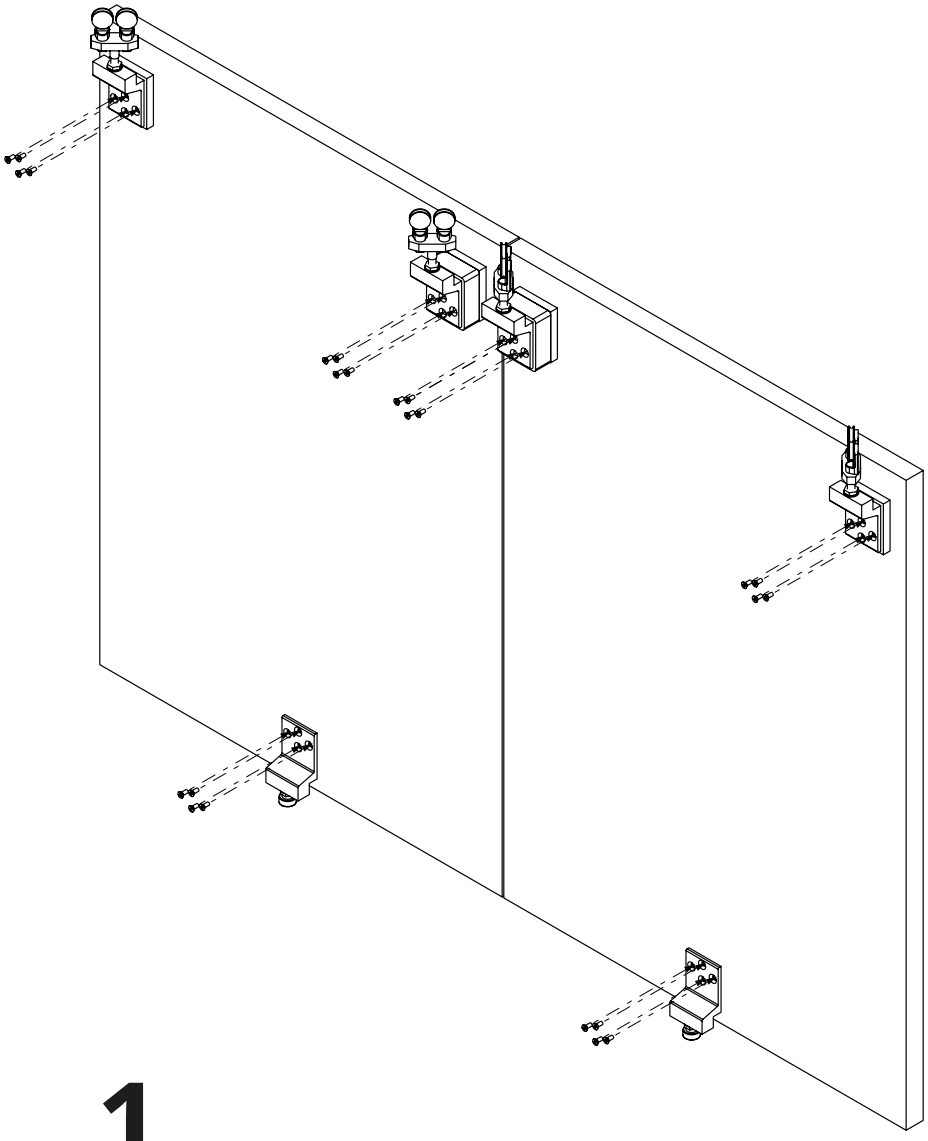
3

Using appropriate fixings (not supplied), fix through from the underside of the mechanism as shown below.



Fixing heads **must** have a maximum height of 10mm [3/8”] or **less**.

PANEL BRACKET
FITTING



1

Referring to your Technical Sheet ensure that you have additional packing specified where the Hanger Brackets are mounted.

2

Ensure the provided packing blocks are used on the Top Inner Brackets, as these account for the offset in the top rails.

3

Mount the Bottom Guide Brackets centrally on your moving panels.

ATTACHING PANELS
TO MECHANISM

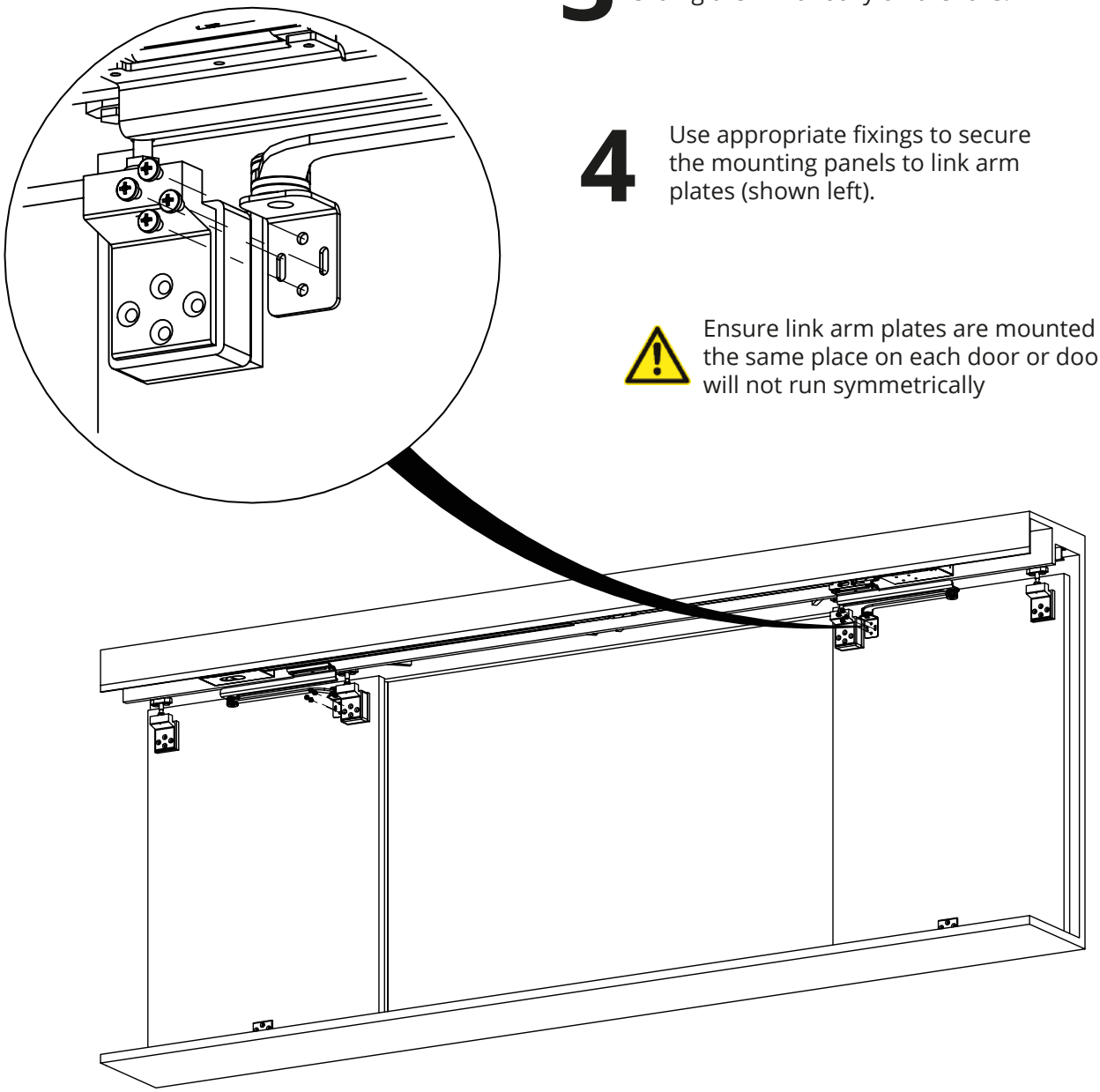
1 Hook Panels onto guide rails and align Bottom Guide Bracket in Lower Guide Rail.

2 Using the IR Remote provided with the mechanism, send the mechanism to the OUT Position.

3 Move Panels to Open Position by sliding them manually on the rails.

4 Use appropriate fixings to secure the mounting panels to link arm plates (shown left).

Ensure link arm plates are mounted in the same place on each door or doors will not run symmetrically

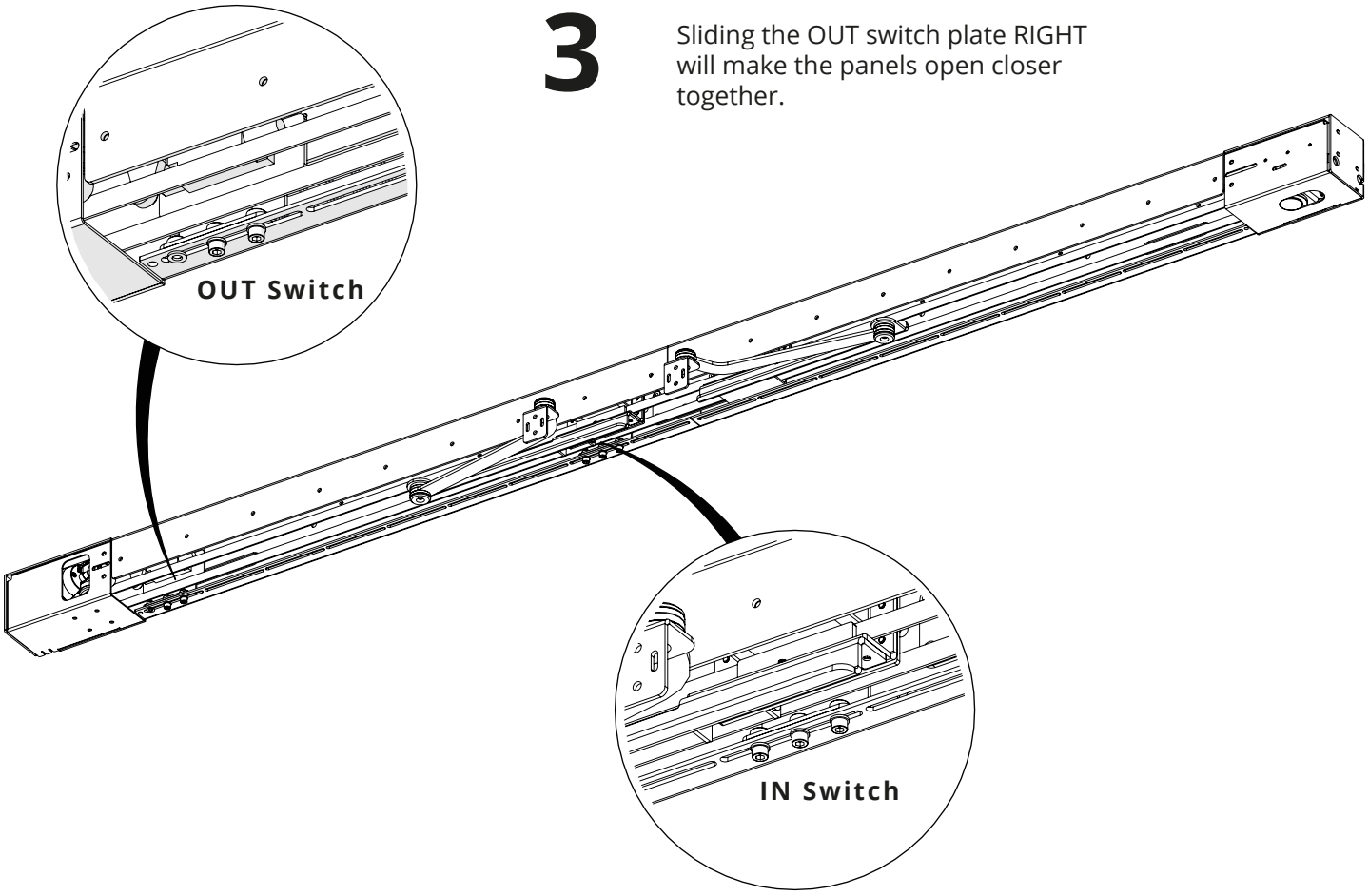


SWITCH
ADJUSTMENT

1 Loosen the bolts shown in the detail views. **Do not fully remove them.**

2 Sliding the OUT switch plate LEFT will make the panels open further apart.

3 Sliding the OUT switch plate RIGHT will make the panels open closer together.



4 Sliding the IN switch plate LEFT will make the panels further apart when Closed.

5 Sliding the IN switch plate Right will make the panels closer together when Closed.

6 Tighten the bolts when desired positions are established.