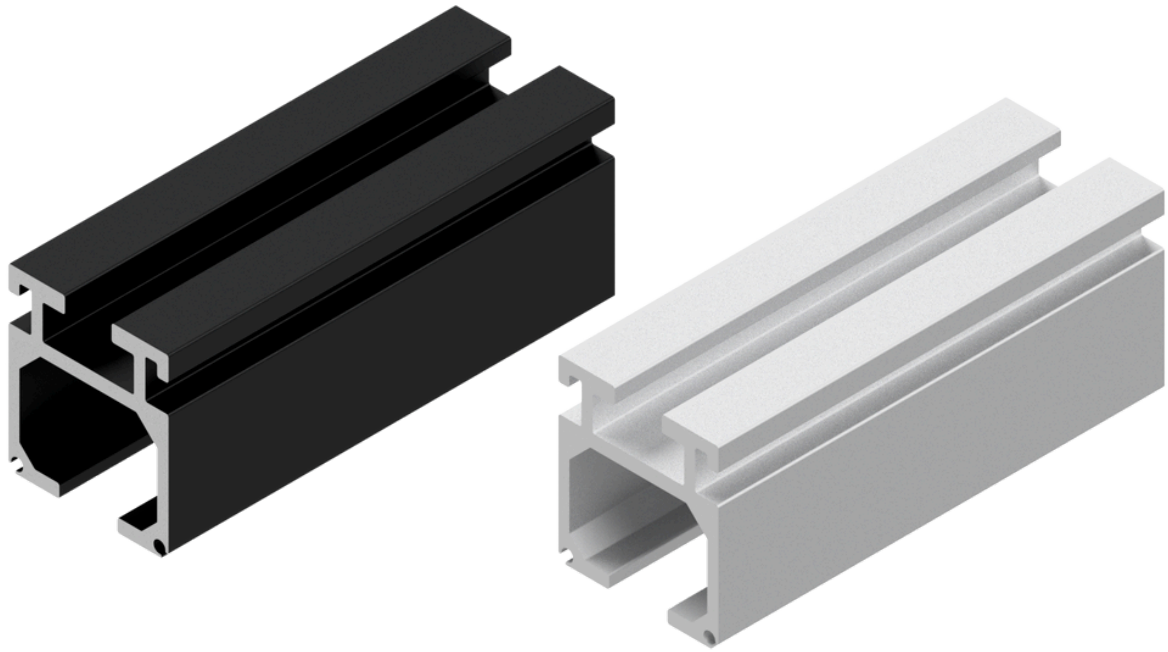
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2WAY

WALKALONG TRACK SYSTEM

OPERATION & MAINTENANCE MANUAL

2WAY

WARNINGS OF USE



The contents of this manual covers standard aspects of use for 2Way track systems. If you are thinking of using it for anything non-standard or out of the ordinary please get in touch with Triple E Ltd before proceeding.



2Way must not be used to move rigid scenery unless the necessary precautions have been taken.



This track system is designed for indoor use only. It has an IP rating of 30 which means it's protected against solid objects of 2.5 mm diameter or greater. It has no dust or water rating.



Ensure your system never exceeds the load capacity of 2Way by referring to our Working Load Limit (WLL) table.



Once fully installed it is necessary to double check that all fasteners are securely tightened. Routine safety inspections should be performed to check all components.

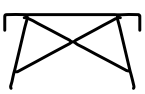


The fully assembled weight of the 2Way track system is dependent on length, so care should be taken when moving or fitting it.

Before you start



Full spanner and socket set, flat-head screwdriver, hammer



It is a good idea to assemble the track at working height on a set of trestles.



Some operations might need a second person to assist

2WAY

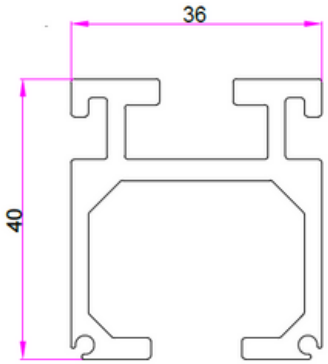
OVERVIEW

2Way is perfect for permanent installations in a variety of locations, both inside and out of entertainment venues. It has also proved itself in touring environments for small yet robust on-set track applications.

2Way is easily incorporated into pelmets and headers or built into suspended ceilings and a comprehensive range of suspension fittings and hardware is available to allow for all possibilities.

2Way can be cut down into any length required, both straight and curved, enabling you to achieve any length or configuration you need. 2Way track can be rolled to a minimum radius of 300 mm. Track sections are easily joined with a steel joint plate and 2 steel roll pins that align the running surfaces.

The standard finish for 2Way track and all components is matte black however the track extrusion is also available in mill finish silver, and it can be anodised or powder coated in any RAL colour for bespoke specifications.



2Way is an aluminum alloy extrusion channel track, 40 mm x 35.9 mm (HxW). Components are fixed using the 'tee slot' channel with M8 channel nuts. Make sure to double check the channel nut has turned inside the channel, it can feel locked when the nut is locked to the washer as well as to the track! (tip: loosen the channel nut as far as you can first).

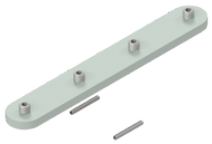




Note that all curved sections come complete with 600 mm straights at each end to ensure each section can be easily joined and maintain the smooth running surface required for quiet and easy operation.

2WAY
COMPONENTS

All runners accept commonly used curtain fittings such as Triple E Tab Hooks and Twin Hooks and Ruflette hooks. If in doubt, please check sizes before installation. There are no scenery carriers available for the 2Way system.



2W0501 Joint set comprised of a steel clamp plate and two steel roll pins. The clamp plate strengthens the joint and the roll pins keep the running surface aligned.

2W0601 Plain wheeled runner – long lasting and maintenance free but not as quiet or smooth as the ball raced version. WLL: 15 kg
2W0602 Ball-raced runner – ideal for heavier drapes, longer drops (5 to 8 m) and where the quietest performance is required. WLL: 15 kg





2W0701 Carrier plain wheel - used on the leading edge of curtains to give extra strength where the drape is pulled along. Also used to fit overlap arms.
WLL: 25 kg

2W0702 Carrier ball-raced - used on the leading edge of curtains to give extra strength where the drape is pulled along. Silent operation.
WLL: 25 kg

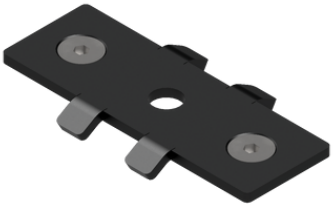
2W8001 Overlap arm – may be added to carriers to create an overlap between drapes on a single track.





2W2401 End stop - used to anchor the trailing edge of a curtain, preventing the curtain from being pulled on-stage and stops the runners falling off the track.

2W2601 Overlap clip – two are used on overlapping tracks to maintain 80 mm centres and keep the tracks rigid at the overlap. They can also be used to create a common suspension point for parallel tracks, reducing the number of suspension fittings required.





2W0801 Rufflette hook – for use on drapes with a rufflette header.



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2WAY
SUSPENSION

2Way's continuous channel design allows for hanging points anywhere along its length (except where a joint set is being used) and a variety of hanging methods can be employed, detailed below.

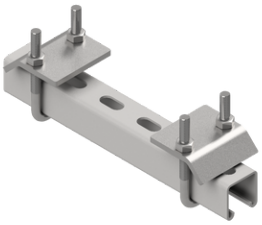




2W1701 Ceiling mount clips – sold in a pack of 10 (5 pairs), use these clips to flush mount 2Way to a ceiling or pelmet.



ERL1402 Hook clamp – use to hang 2Way from tube or truss with outside diameters 48 mm to 51 mm.



TRA1301 Girder clamp - used with suspension brackets to suspend the track from I beams. Adjustable to fit most standard sizes of I beam, fit a length of ERL1801 studding to the Unistrut and drop it down to the track.

Wall bracket - used to attach the track to a vertical surface. An L shaped bracket, the side arms are spaced 13 mm apart. Use with studding to fix direct to the track or a suspension bracket.

TRA1600 Wall bracket 205 mm WLL 11 kg
TRA1601 Wall bracket 300 mm WLL 40 kg
TRA1602 Wall bracket 500 mm WLL 40 kg
TRA1603 Wall bracket 750 mm WLL 40 kg





ERL1701 Suspension bracket - Z shaped bracket that can be used with ERL1801 or up to M12 studding. Featuring both screw holes and a bolt hole the ERL1701 allows you to fix 2Way to any pelmet or ceiling. WLL: 74 kg

ERL1801 M8 Studding - 150 mm With Nuts And Washers

ERL1701 Attachment nut – the M8 channel nut used to fix components to 2Way and Erail's upper channel. Sold separately to allow you to use your own fixings or as spares.

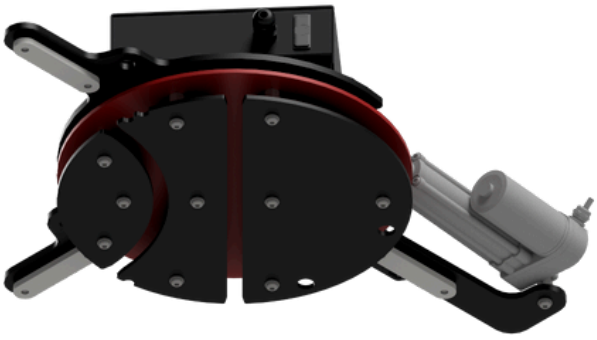
Important: when the curtains are in their open position (in the stacking area) their full weight will be concentrated over a short length of track so you may need additional suspension in the stacking area. To calculate the length of the stacking area multiply the number of runners by the width of the runners.

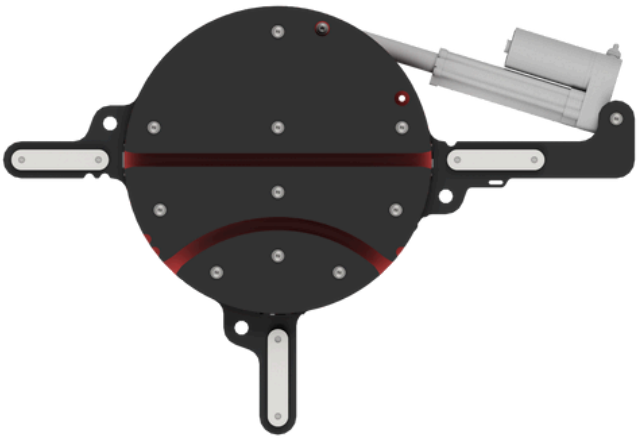
2WAY
POINTS SYSTEM

The Points System for 2Way allows you to change the track your curtain is on, just like a train. They can be operated either wired or wirelessly. Use as many as you like in a layout to create the perfect route for your curtains.

2W9002

A motorised 90 degree point system that sends your curtain to either the right or left depending on assembly in plan view, or allows it to continue straight ahead. Designed to be left or right handed depending on assembly.





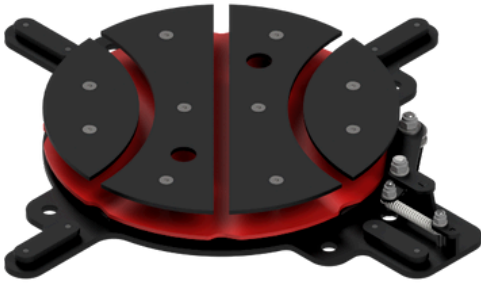
2W9003

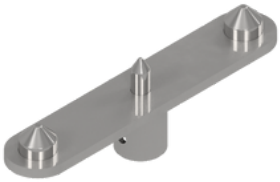
2Way points system control is a bolted box to the top of the 2W9002. It is operated from a wired button, but we are able to create a bespoke system. Get in touch!

2W9007

A manual omnidirectional point system that sends your curtain to either the right or left depending on assembly in plan view, or allows it to continue straight ahead. Uses a bolted on mechanism to turn the table from the ground





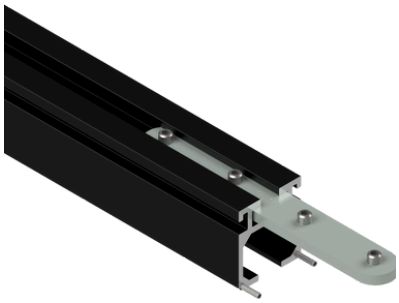


2W9008

The manual omnidirectional point system operational tool. Can be affixed to the end of a broom handle or a telescopic handle for easy access.

ASSEMBLY

Track can be joined in two ways:



End-to-end with joint set

1. With the open face of the roll pin facing into the track, fully insert a roll pin into the each of the two keyhole slots in the lower corners of the 2Way extrusion.
2. Fit the joint plate into the upper channel of one piece of track, loose.
3. Meet two faces of track and slide the joint plate into the second piece so it is located evenly across the join. Ensure the tracks are butted together fully with no gap. Tighten the grub screws with an allen key. Don't over-tighten them, an additional quarter turn is all that's needed.
4. Tap each roll pin across the joint using a hammer and flat head screwdriver.



Side-to-side with overlap clips

1. Using 2W2601 two tracks can be joined to create an overlap or parallel tracks. The flanges on the overlap clip keep the track square.
2. Loosen the channel nuts as far as you can on each countersunk screw and insert into the upper channel and tighten with an allen key. Visually check each nut to make sure it's rotated.
3. If using the 2W2601 as a common suspension point between two parallel tracks refer to the WLL Table for correct spacing.

Installing runners and endstops

1. If you are using overlap arms install them on the carriers first. The overlap arms can be fitted onto the carriers in any direction but take care to install them so the arms pass one another, creating an overlap, and the carriers can butt together.
2. Slide the runners into the channel from the open ends, taking care to install the car in the correct position and orientation. As you'll be working from the end of the track the carriers may need to go first or in the middle. The runners should move freely on the lower running surface, test the runners on the joints to ensure there are no gaps or bumps. If there are you will need to re-do the joint.
3. To fit the end stops loosen the screw and slide it into position with the washer sitting beneath the track and the flange facing towards the centre of the system. Tighten with an allen key (the hole is threaded so there is no nut). You can add end stops anywhere along the track to allow curtains run to set positions. If doing this, you will need to install the runners and end stops in order.

2WAY
MAINTENANCE

2Way needs very little maintenance other than ensuring the track is clean, free of obstructions and the suspension fixings are still tight.

TRACK: The track should not be dented, deformed or bent in any direction (other than an expected curve) and should show no signs of crushing from overtightened bolts. There should be no holes (other than the manufacturers) or cracks in the track.

JOINT SET: The joint plates should not be loose or have any visible dents or bends and the joint itself should be tight. Visual checks should be performed for evidence of corrosion, particularly where dissimilar metals are in contact with one another.

RUNNERS: All wheels should rotate smoothly and the plastic shouldn't have any signs of stress, cracks, bends, deformity or excessive wear. Overlap arms should be straight and show no signs of deformity.

SUSPENSION FITTINGS: Check there is no damage to the threads of the fixings, no signs of bending or deformities without a load applied or show any signs of damage, stress, cracks or excessive wear.

