

ShowTex User Manual

ShowTrack



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Introduction

- I-beam version of the UniTrack. Works with the same runners and pulleys.
- More durable and supports greater distances. Beams come in 6 m lengths, so fewer connections are needed
- The solid aluminium extrusion guarantees a silent glide. It's suitable for the heaviest curtains and set pieces up to 350kg.
- Combine with ChainTrack for multi-directional curtain movement.
- Ideal for DMX applications when combined with the ChainTrack motor.
- An all-round system with manual or electric control.
- ShowTrack can be DMX controlled.

Safety instructions

- Read this user manual carefully. In order to prevent potential damage to equipment and/or injury to personnel these instructions must be understood and followed.
- Units may only be used to move curtains.
- The system must be installed and activated by qualified technicians with knowledge of its capabilities and limitations. The operator must ensure the path of the track is free of obstacles while keeping the system within eye contact at all times. This allows for immediate cessation of motion in case of unforeseen circumstances that may pose a threat to safety or proper functioning of the system.
- Ensure the capacity of your suspension points corresponds to the weight of the track and items to be suspended from the tracks. The amount of the suspension points depends on the weight of the curtain. Allow for extra points in the curtain storage area to support the extra weight of the curtain when gathered together.
- Curtain machines continue to operate as long as electricity flows. If a problem occurs anything in the path will do damage to the moving curtain until the lead carrier reaches the limit switch or the machine is shut down.
- Only combine with parts and accessories from the ShowTex curtain track range.

Component Parts

The ShowTrack Curtain Tracksystem consists of the following parts:



ShowTrack Tracksystem



Track



Curved Track 90°



Joiner Set



Hook Clamp 80 kg.



EndStop



Flat EndStop

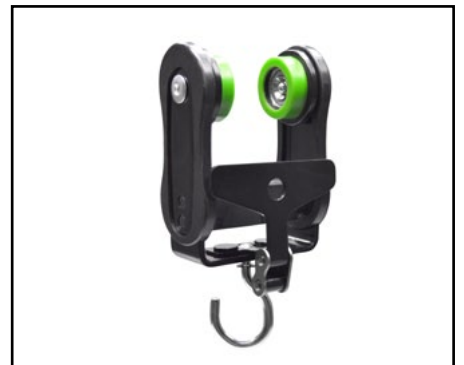
Component Parts



Ball Raced Runner 2



Ball Raced Runner 4



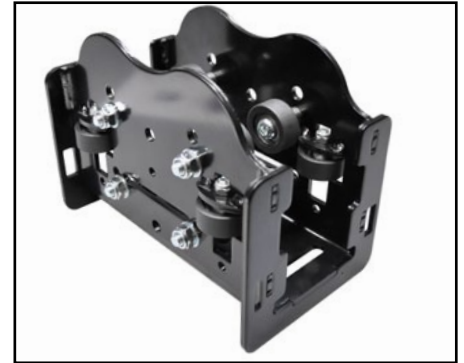
Ball Raced Rear Fold Runner



Ball Raced Master Carrier



Scenery Carrier 50 kg.



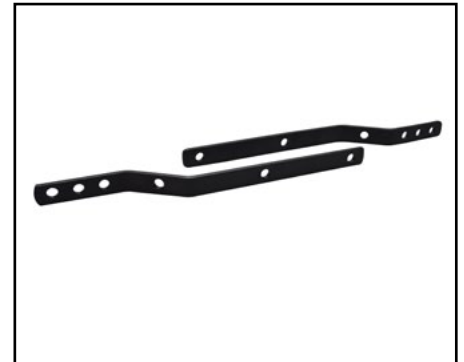
Scenery Carrier 100 kg.



Scenery Carrier 350 kg.



Scenery Hanger



Overlap Arm Set



Double Braided Rope



Single Fixed Pulley



Return Pulley

Component Parts



Double Fixed Pulley



for overlap track

Return Pulley



Weighted Return Pulley



Floor Fixed Return Pulley



Curve Master Carrier



Curve Master Carrier



Curve Head Pulley



Curve Return Pulley



Curve Cord Guide



For curved tracks

Hook clamp 60 kg



Offset Plate



























Line Pickup

Component Parts










Overlap Clip

Component Parts

Name	Art.nr.	color	Weight	Information
Track	8075 0001 6007		3.24 kg/meter	Length: 600 cm
Curved Track 90°	8075 0007 1007		5.09 kg/piece	Radius: 100 cm
Joiner Set	8075 0042 1807		0.74 kg/set	2 pieces
Hook Clamp 80 kg.	8700 0677 0807		0.50 kg/piece	80 kg capacity
EndStop	8075 0050 0007		0.27 kg/piece	
Flat EndStop	8075 0053 0007		0.14 kg/piece	
Ball Raced Runner 2	8070 0205 0507		0.25 kg/piece	2 wheeled 25 kg capacity
Ball Raced Runner 4	8070 0209 0507		0.28 kg/piece	4 wheeled 25 kg capacity Suitable for curved tracks
Ball Raced Rear Fold Runner	8070 0212 0257		0.30 kg/piece	25 kg capacity
Ball Raced Master Carrier	8070 0227 0507		0.80 kg/piece	With rope clamp 50 kg capacity
Scenery Carrier 50 kg.	8070 0230 0507		0.85 kg/piece	50 kg capacity
Scenery Carrier 100 kg.	8070 0230 1007		2.32 kg/piece	100 kg capacity
Scenery Carrier 350 kg.	8075 0230 4407		3.70 kg/piece	440 kg capacity
Scenery Hanger	8070 0235 0507		0.98 kg/piece	
Overlap Arm Set	8070 0241 0007		0.60 kg/set	2 pieces Not for curves
Double Braided Rope	7530 0308 0007		0.04 kg/meter	ø: 8 mm
Single Fixed Pulley	8075 0400 0017		0.54 kg/piece	For single track
Return Pulley	8075 0410 0017		0.48 kg/piece	For single track
Double Fixed Pulley	8075 0400 0027		1.81 kg/piece	For overlap track
Return Pulley	8075 0410 0027		1.38 kg/piece	For overlap track
Weighted Return Pulley	8075 0415 0057		5.50 kg/piece	
Floor Fixed Return Pulley	8050 0420 0007		3.38 kg/piece	
Curve Master Carrier	8070 0510 0507		1.24 kg/piece	50 kg capacity
Curve Master Carrier	8070 0510 1007		2.05 kg/piece	100 kg capacity For longer tracks

Component Parts

Curve Head Pulley	8075 0520 0007		1.73 kg/piece
Curve Return Pulley	8075 0523 0007		1.20 kg/piece
Curve Cord Guide	8075 0500 0007		0.46 kg/piece
Hook clamp 60 kg	870006770607		0,85 kg/piece
Offset Plate	807506900607		0,37 kg/piece
Line Pickup	807506940007		0,27 kg/piece
Overlap Clip	807506961207		0,29 kg/piece

Installation

In order for the system to operate correctly the following steps should be taken:

1 Choose installation bracket

Choose the appropriate installation bracket for track type, mounting surface and weight.



1 Hook Clamp 80kg capacity

2 Hook Clamp 60kg capacity

2 Identify track formation



Identify the track formation to be installed:

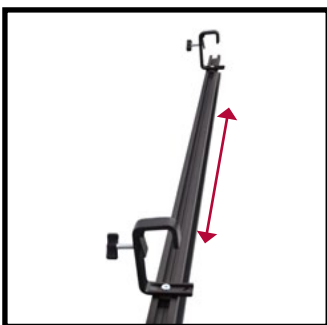
1 Single track with overlap carrier set

2 Overlap track with overlap arms.

3 Determine amount of attachment points

Determine the amount of attachment points depending on the weight of the curtain.

Attention: Allow for extra points in the curtain storage area to support the extra weight of the curtain when gathered together.



	SWL Loading	Point Load at 1m centres	Point Load at 2m centres	Point Load at 3m centres	Uniformly distributed load at 1m centres	Uniformly distributed load at 2m centres	Uniformly distributed load at 3m centres
ShowTrack Track Section	X	535 kg	265 kg	170 kg	1070 kg	530 kg	340 kg
ShowTrack scenery carrier	350 kg	x	x	x	x	x	x

Installation

4 Connect track lengths



When necessary, connect the track lengths together with designated couplers.

Attention: Use the screws and an M10 hexagonal wrench to connect and align the tracks

5 Secure the track



Secure the track to the installation surface. Use the selected bracket type and tighten the clamps securely.

6 Identify motion control system

Identify the motion control system to be used with the track:



1



2



3

1 Weighted return pulley

2 Floor mounted return pulley

3 Motor

For options **1** and **2**, go to step 7
For track motors, go to step 8.

Installation

7 Select the appropriate type of pulley depending on the track configuration

Select the appropriate type of pulley depending on the track configuration.



1 Return Pulley for single track

2 Return Pulley for overlap track

3 Curve Return Pulley

8 Insert runners



Attention: Don't forget the overlap arms or the overlap carrier set first in the case of a single track installation.

Insert the appropriate number of runners for the chosen curtain onto the track.

9 Install return pulley

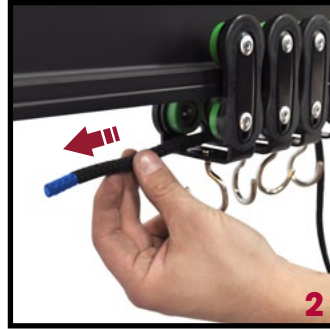


Install the return pulley at the end of the track.

Attention: If curtains will be moved without using an operating line, place an end stop to keep them in place.

Installation

10 Thread the rope



1 Pull the end of the operating line through the guide wheel.

2 Next pull the line through the runners

3 Finally pull the line over the return pulley.

11 Install motion control system



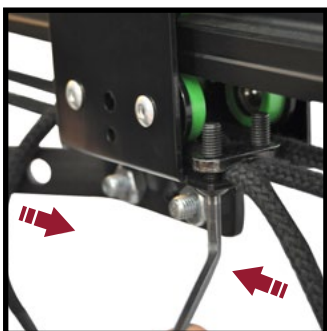
(option **1** and **2**) Then pull the other end of the operating line through the weighted return pulley or floor mounted return pulley.

Please refer to the respective user manual for detailed information about track motor installation

12 Increase rope tension



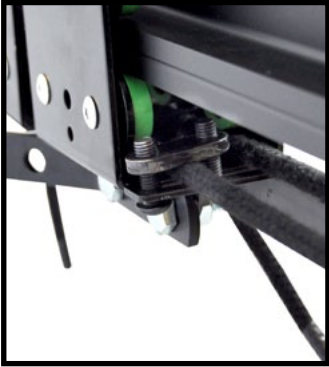
Pull the other end of the operating line through the guide wheel and make sure the two ends of the operating line come back together at the point of the overlap carrier set.



Increase the rope tension to the appropriate level and secure the system on the first overlap carrier set.

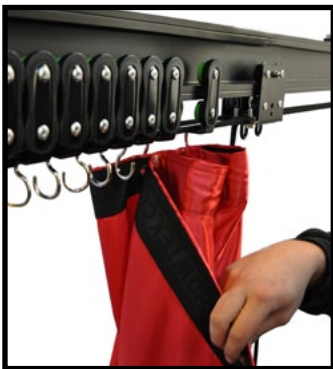
Installation

13 Attach rope to second overlap carrier



Position the overlap carriers in the middle of the track and attach the rope to the second overlap carrier

14 Install the curtain



The system is now ready to use. Hang the curtain on the runners and set the end position of the final runner by using an end stop. Fix the other end of the curtain by attaching to the overlap carrier.

Repeat these steps with the second curtain to finish installation.

Care and Maintenance

- Periodic, regularly scheduled maintenance inspections are necessary for any mechanical system. A theatrical curtain track system is no different. It has components that must be regularly inspected, adjusted, maintained, and replaced. In order to keep your system safe and in good working order, a regular inspection and maintenance program must be implemented.
- The best way to maintain your theatrical curtain track system is by regular use. This will keep the grease properly distributed and allow the inspector to regularly check for unusual noise or drag in the system.
- Above average use or location of curtain track in places of high humidity, dust, extreme temperature changes, etc. may require shorter intervals.
- Disassembly must be carried out under the same conditions and following the same steps as assembly. Remove all curtains or hung items before removing tracks from their permanent location. Disconnect all parts before removing tracks. Never remove in one piece.

Trouble Shooting

What to do if the curtain stops moving smoothly:

- Check for damage to the rail, if found, repair.
- Check that all couplers are lined up without gaps, if not, line them up.
- Check for damage to runners, if found, replace damaged runners.
- If there is a switching point in your track, check that the parts are lined up correctly, if not, adjust.
- Check for debris on the track in the way of the runners, if found, remove carefully.
- If your curtain slides out of the track, check if the end stop is missing or loose. Then tighten or replace.

For more technical assistance please contact your local ShowTex office.



HAVE A GREAT SHOW!

