

T-Rex

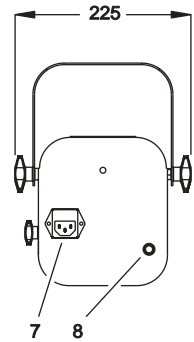
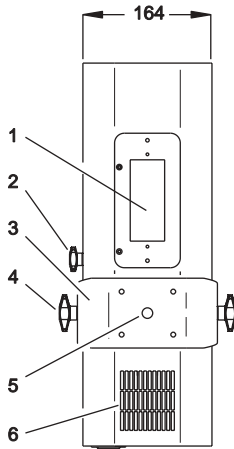
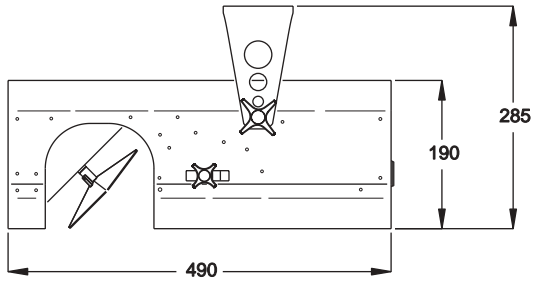
user manual



Martin

Measurements are expressed in millimeters.

- 1 Lamp access
- 2 Focus adjustment
- 3 Mounting bracket
- 4 Swivel locks
- 5 Clamp hole
- 6 Air vent
- 7 AC input & main fuse
- 8 Microphone



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INTRODUCTION

1

Thank you for selecting the Martin T-Rex. This lighting fixture uses a 250 watt halogen lamp, a moving 4-facet mirror, a multi-effect color/gobo wheel, and a built-in microphone to project exciting effects automatically in time with the music.

T-REX SAFETY INFORMATION

Warning! This product is not for household use. It presents risks of lethal or severe injury due to fire and heat, electric shock, and falls.

Read this manual before powering or installing the fixture, follow the safety precautions listed below and observe all warnings in this manual and printed on the fixture. If you have questions about how to operate the fixture safely, please contact a Martin distributor for assistance. Refer any service operation not described in this manual to a qualified technician. Do not modify the fixture or install other than genuine Martin accessories and upgrade kits.

Avoiding electric shocks

- Disconnect the fixture from AC power before removing or installing the lamp, fuses, or any part, and when not in use.
- Always ground (earth) the fixture electrically.
- Use only a source of AC power that complies with local building and electrical codes and has both overload and ground-fault protection.
- Do not expose the fixture to rain or moisture.
- Refer all service to a qualified technician.
- Never operate the fixture with missing or damaged lenses and/or covers.

Protecting yourself and others from burns and fire

- Never attempt to bypass the thermostatic switch or fuses. Always replace defective fuses with ones of the specified type and rating.
- Ensure that the air flow through fans and vents is free and unobstructed.

- Keep all combustible materials (for example fabric, wood, paper) at least 0.3 meters (12 inches) away from the fixture. Keep flammable materials well away from the fixture.
- Do not illuminate surfaces within 0.1 meters (4 inches) of the fixture.
- Provide a minimum clearance of 1 meter (39 inches) around fans and air vents.
- Replace the lamp if it becomes defective or worn out, or before usage exceeds the maximum service life. When replacing the lamp, allow the fixture to cool for at least 5 minutes before opening the fixture or removing the lamp. It can take up to 15 minutes for the fixture to cool completely.
- Never place filters or other materials over the lens or mirrors.
- The exterior of the fixture can reach temperatures up to 60° C (140° F). Allow the fixture to cool for at least 5 minutes before handling.
- Do not operate the fixture if the ambient temperature (Ta) exceeds 40° C (104° F).
- Do not stare directly into the light.

Preventing injuries due to falls

- When suspending the fixture above ground level, verify that the structure can hold at least 10 times the weight of all installed devices.
- Verify that all external covers and rigging hardware are securely fastened and use an approved means of secondary attachment such as a safety cable.
- Block access below the work area whenever installing or removing the fixture.

UNPACKING

The packing material is carefully designed to protect the fixture during shipment - always use it to transport the fixture.

The T-Rex comes with:

- Mounting bracket
- 1.5-meter, 3-wire IEC power cable
- User manual

The T-Rex's operating voltage is printed on the serial number label near the AC input. Verify that the operating voltage closely matches the AC supply voltage before applying power. Contact your Martin dealer if the voltage on the label differs from the AC mains voltage by more than five percent.


INSTALLING A PLUG ON THE MAINS LEAD

The fixture's mains lead may require a grounding-type cord cap that fits your power distribution cable or outlet. Consult a qualified electrician if you have any doubts about proper installation.

Warning! *For protection from dangerous electric shock, the fixture must be grounded (earthed). The AC mains supply shall have overload and ground-fault protection.*

Important! *Verify that the feed cables are undamaged and rated for the current requirements of all connected devices before use.*

Following the cord cap manufacturer's instructions, connect the yellow and green wire to ground (earth), the brown wire to live, and the blue wire to neutral. The table below shows some pin identification schemes.

Wire	Pin	Marking	Screw color
brown	live	"L"	yellow or brass
blue	neutral	"N"	silver
yellow/green	ground		green

INSTALLATION

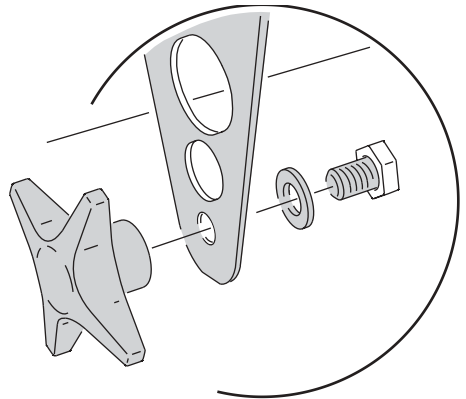
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The T-Rex can be permanently installed or hung with a clamp (not included), or it can be placed on the floor. For maximum lamp life, do not place the fixture directly on or beside a speaker cabinet or other source of strong vibrations.

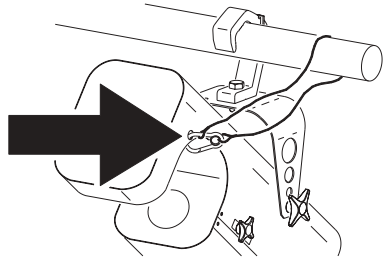
Warning! *Block access below the work area before proceeding. Always use a secure means of secondary attachment.*

INSTALLING OR HANGING THE T-REX

- 1 Install the mounting bracket on the chassis as shown. Place the washers on the stud before the bracket.
- 2 Verify that the structure can support at least 10 times the weight of all installed fixtures, clamps, cables, auxiliary equipment, etc.
- 3 If hanging the fixture with a rigging clamp, verify that the clamp is undamaged and can bear at least 10 times the fixture's weight. Bolt the clamp securely to the bracket with a grade 8.8 (minimum) M12 bolt and lock nut, or as recommended by the clamp manufacturer, through the clamp hole in the mounting bracket.
- 4 If permanently installing the fixture, verify that the hardware (not included) and mounting surface can bear at least 10 times the fixture's weight. The four 6 mm holes and the clamp hole in the mounting bracket may be used for attachment.

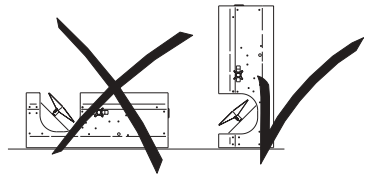


- 5 Working from a stable platform, clamp or fasten the fixture to the structure.
- 6 Install a safety cable that can hold at least 10 times the weight of the fixture through/over the support and mounting bracket as shown.
- 7 Loosen the swivel locks, tilt the fixture to the desired angle, and retighten.
- 8 Verify that the fixture is at least 1.0 meters (39 in.) from the surface to be illuminated and at least 0.3 meters (12 in.) from any combustible materials. Verify that the clearance around the air vent and lamp access plate is at least 0.1 meters (4 in.).

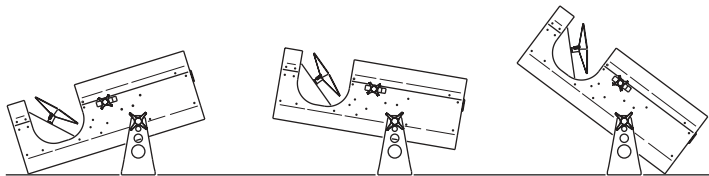


USING THE BRACKET AS A FLOOR STAND

- 1 The T-Rex may be placed on the floor by standing it squarely on the mirror end or with the support of the mounting bracket. *Never lay the fixture flat on its back!*
- 2 (Optional) Install the mounting bracket as described above.



- 3 Set the fixture flat on its mirror end or in one of the positions shown below. Adjust the mounting bracket and tighten both swivel locks.
- 4 Verify (1) that the fixture is stable, (2) that the fixture is at least 1 meters (39 in.) from the surface to be illuminated and at least 0.3 meters (12 in.) from any combustible materials, and (3) that the clearance around the air vent and lamp access plate is at least 0.1 meters (4 in.).



OPERATION

Warning! *Verify that the power cables are undamaged and rated for the current requirements of all connected devices before use.*

Important! *Electric dimmers may damage the electronic components.*

The lamp turns on as soon as power is applied. The effects start moving as soon as sound is picked up by the built-in microphone. An Automatic Gain Control (AGC) adjusts sensitivity when the average sound pressure alters.

Once the T-Rex is installed and connected, the focus may be adjusted by loosening and sliding the focus adjustment knob.

Although the T-Rex cannot be dimmed, it may be switched on and off remotely using switch packs or the full-on and full-off levels on dimmer packs.

With the exception of the mains fuse and the lamp, there are no user-serviceable parts inside the T-Rex. Please refer all service to a Martin distributor, dealer, or service center.

REPLACING THE MAIN FUSE

- 1 Unplug the mains cable from the input socket. Pry open the fuse holder and remove the fuse.
- 2 Replace the fuse with one of the same type. The fuse rating is listed on serial number label.

LAMP INSTALLATION

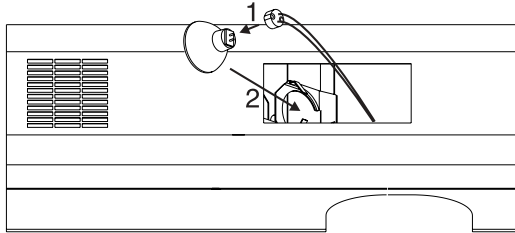
The T-Rex uses a 24V, 250W ELC halogen lamp. Two models are available: an economical 500 hour lamp and a high-output 50 hour lamp. *Installing any other lamp may damage the fixture!*

Allow the lamp to cool for at least 5 minutes before moving the fixture. To avoid possible damage, remove the lamp when shipping the fixture.

Warning! *Disconnect the fixture from AC power and allow the fixture to cool for 5 minutes before installing a new lamp.*

Installing a lamp in the T-Rex

- 1 Disconnect the fixture from AC power. If replacing a lamp, allow it to cool for 5 minutes before removing the lamp access cover. The lamp cools faster with the cover in place.
- 2 Remove both screws from the lamp access cover and lift the cover off.
- 3 If replacing a lamp, grasp the old lamp by the reflector and pull it out of the holder. Then pull the socket off the lamp. Do not pull the wires.
- 4 Push the socket fully onto the pins of the new lamp.
- 5 Gently push the lamp into the holder until it snaps into place.
- 6 Replace the lamp access cover and screws.



TROUBLESHOOTING

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Problem	Probable cause(s)	Remedy
Fixture is completely dead.	No power to fixture.	Check that power is switched on and cables are plugged in.
	Primary fuse blown.	Replace fuse.
Effect fails to reset correctly.	The effect requires mechanical adjustment.	Contact Martin technician for service.
No light.	Lamp missing or blown	Disconnect fixture and replace lamp.
Lamp cuts out intermittently or burns out too quickly.	The operating voltage does not match AC supply.	Contact Martin technician for service.
	Blocked air vent.	Increase clearance around fixture.
	Dust buildup inside fixture.	Contact Martin technician for professional cleaning.
	The fan may not be working. This will result in the thermostatic switch cutting power to the lamp when the fixture overheats. When the fixtures cools the lamp will come on again, causing the fixture to heat, which will again trip the thermostatic switch, and so forth.	Contact Martin technician for service.

SPECIFICATIONS



PHYSICAL

- Size (L x W x H)..... 490 x 164 x 190 mm (19.3 x 6.5 x 7.5 in)
- Weight..... 7.5 kg (16.5 lbs)

CONSTRUCTION

- Housing..... aluminum and steel
- Finishelectrostatic powder coating

THERMAL

- Maximum ambient temperature (T_a)40° C (104° F)
- Maximum surface temperature60° C (140° F)

INSTALLATION

- Minimum distance to combustible materials..... 0.3 m (12 in)
- Minimum distance to illuminated surfaces..... 1.0 m (39 in)
- Minimum clearance around fan and air vents.....0.1 m (4 in)

CONTROL

- Control method sound-activated

ELECTRICAL, EU MODEL

- Input.....3-prong IEC male socket
- AC Power..... 230 V, 50 Hz
- Primary fuse.....2.5 AT / 250 V, P/N 05020010
- Maximum power and current.....270 W, 1.2 A @ 230 V, 50 Hz

ELECTRICAL, UK MODEL

- Input.....3-prong IEC male socket
- AC Power..... 245 V, 50 Hz
- Primary fuse.....2.5 AT / 250 V, P/N 05020010
- Maximum power and current.....270 W, 1.1 A @ 245 V, 50 Hz

ELECTRICAL, US MODEL

- Input.....3-prong IEC male socket
- AC power125 V, 60 Hz

- Primary fuse5.0 AT / 250 V, P/N 05020018
- Maximum power and current 270 W, 2.4 A @ 110 V, 60 Hz
- Maximum power and current 270 W, 2.2 A @ 120 V, 60 Hz

ACCESSORIES

- Martin DMX Switch Pack, 210-245 V 90758200
- Martin DMX Switch Pack, 100-130 V 90758300
- Osram 24V/250W ELC 50 h halogen lamp 97000104
- Philips 24V/250W ELC 500 h halogen lamp..... 97000107
- G-clamp 91602003
- Half-coupler clamp 91602005



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