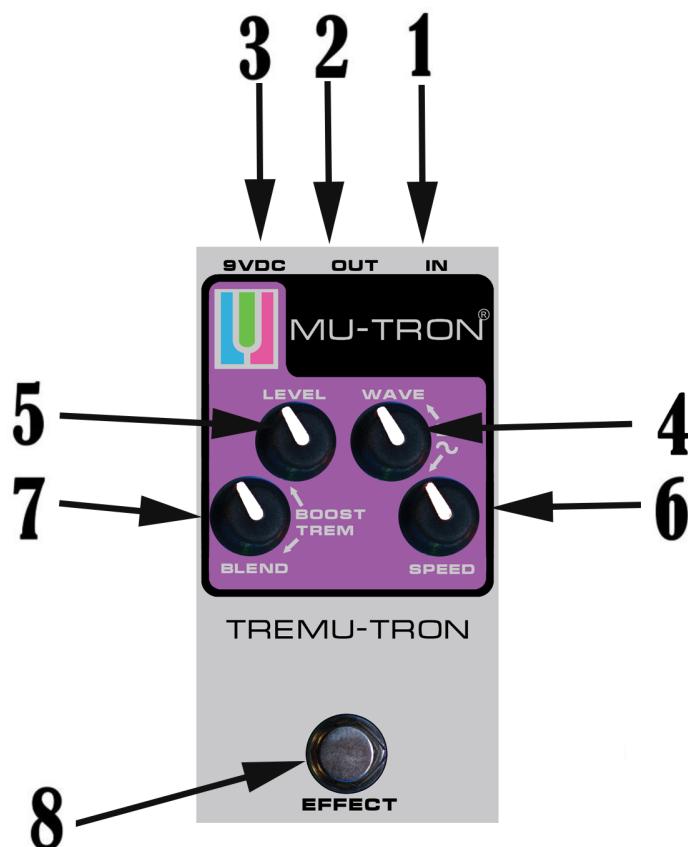


# TREMU-TRON

## Quick Start Guide



**1. IN:** A standard 1/4"(TS) input jack.

**2. OUT:** A standard 1/4"(TS) output jack sending a mono output signal to whatever comes next in your signal chain.

**3. POWER:** The TREMU-TRON runs on a 9V DC power supply center negative, draw 15mA.

**4. WAVE:** Shape of LFO waveform. Turning knob clockwise will form a sine wave which has "softer" edges. Turning knob counter-clockwise will form a square wave with will make the "edges" much more "choppy" and pronounced.

**5. LEVEL:** The overall output level. Turning knob clockwise increases the output level. Turning knob counter-clockwise will decrease the output level. In TREM mode, the LEVEL will work inversely to the blend control. In BOOST mode, the LEVEL knob has much more gain. Please use accordingly and do not scare your bandmates or the audience.

**6. SPEED:** Controls the speed of the LFO. A slower speed will create a more subtle tremolo, while faster speeds will create a more pronounced tremolo.

**7. BLEND:** Controls the intensity of tremolo signal to dry signal. As you turn the blend control clockwise, the dry signal will disappear and tremolo signal will become more pronounced. By turning the blend knob all the way counter-clockwise, the pedal will be in "boost" mode. The tremolo signal will disappear and the remaining dry signal will be "boosted" and may now be controlled by the LEVEL knob.

**8. EFFECT FOOTSWITCH:** Determines whether the TREMU-TRON effect is engaged or bypassed.

**- EFFECT LED:**

When the green LED is OFF, the TREMU-TRON effect is bypassed.

When the green LED is ON, the TREMU-TRON effect is engaged.

*For more information on the TREMU-TRON please visit [mu-tron.com](http://mu-tron.com)*



## Operating Instructions:

The Mu-Tron TREMU-TRON is an optical tremolo effect which can be used as a “clean boost”. It features the famous Mu-Drive preamp from the original Mu-Tron III envelope filter. By utilizing an 18 volt dual-rail internal power supply, the TREMU-TRON provides a crisp, clean signal and high headroom. The TREMU-TRON utilizes Mu-Tron’s patented opto-mod technology to provide classic, hi-fidelity attenuation without extra noise artifacts. The TREMU-TRON is designed to make non-tremolo tube and solid state instrument amplifiers to have the same rich tremolo found in vintage Fender and Vox amplifiers. The TREMU-TRON pedal should be placed after overdrive and before reverb in the signal chain. The TREMU-TRON may also be used as a boost to push the tubes on traditionally clean amps such as Fender blackface types, it can also be used to “beef-up” the front end of sterile solid-state type amplifiers or mixing consoles. The TREMU-TRON has the same quality, ruggedness, and reliability that makes Mu-Tron the first choice of professional musicians.

## Sample Settings



Smokey Fender Trem



Choppy VOX Trem



Clean Boost

## SAFETY INFORMATION

FOR YOUR PROTECTION, PLEASE READ THESE SAFETY INSTRUCTIONS COMPLETELY BEFORE OPERATING THE PRODUCT AND KEEP THIS MANUAL FOR FUTURE REFERENCE.

CAREFULLY OBSERVE ALL WARNINGS, PRECAUTIONS AND INSTRUCTIONS ON THE PRODUCT AND DESCRIBED IN THE OPERATING INSTRUCTIONS SUPPLIED WITH THE PRODUCT.

POWER SOURCE - CONNECT THE PRODUCT TO A POWER SUPPLY ONLY OF THE TYPE DESCRIBED IN THE OPERATING INSTRUCTIONS OR AS MARKED ON THE PRODUCT.

POWER-CORD PROTECTION - ROUTE THE POWER CORD SO THAT IT IS NOT LIKELY TO BE WALKED ON OR PINCHED BY HAVING OBJECTS PLACED ON IT, PAYING PARTICULAR ATTENTION TO THE PLUGS, RECEPTACLES, AND THE POINT WHERE THE CORD EXITS FROM THE PRODUCT.

WHEN NOT IN USE - UNPLUG THE POWER ADAPTER CORD OF THE PRODUCT FROM THE OUTLET WHEN LEFT UNUSED FOR A LONG PERIOD OF TIME. TO DISCONNECT THE CORD, PULL IT OUT BY GRASPING THE POWER ADAPTER. NEVER PULL THE POWER ADAPTER PLUG OUT BY THE CORD.

AC RECEPTACLE - CHECK TO MAKE SURE THAT THE AC RECEPTACLE HOLDS THE POWER ADAPTER PLUG FIRMLY AND SECURELY. IF THE POWER ADAPTER IS LOOSE, CONTACT YOUR ELECTRICIAN TO REPLACE THE DEFECTIVE AND UNSAFE AC CONNECTION.

FOREIGN OBJECTS - BE CAREFUL THAT FOREIGN OBJECTS AND LIQUIDS DO NOT ENTER THE ENCLOSURE THROUGH OPENINGS.

CLEANING - UNPLUG THIS PRODUCT FROM THE WALL OUTLET BEFORE CLEANING. DO NOT USE LIQUID CLEANERS OR AEROSOL CLEANERS. USE A DAMP CLOTH FOR CLEANING.

### WARNING

TO PREVENT FIRE OR SHOCK HAZARD,  
DO NOT EXPOSE THE UNIT TO RAIN OR MOISTURE  
ATTENTION: RISK OF SHOCK, DO NOT OPEN.



THE LIGHTNING FLASH WITH ARROWHEAD SYMBOL, WITHIN AN EQUILATERAL TRIANGLE, IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAY BE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS.



THE EXCLAMATION POINT, WITHIN A TRIANGLE, IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE.



CAUTION: TO REDUCE THE RISK OF  
ELECTRIC SHOCK,  
DO NOT REMOVE COVER(OR BACK).  
NO SERVICEABLE PARTS INSIDE.  
REFER SERVICING TO QUALIFIED  
SERVICE PERSONNEL.

## SERVICE

UNPLUG THE PRODUCT FROM THE WALL OUTLET AND CONSULT QUALIFIED SERVICE PERSONNEL WHEN:

- THE POWER CORD OR THE PLUG HAS BEEN DAMAGED.
- A SOLID OBJECT OR LIQUID HAS FALLEN INTO THE ENCLOSURE.
- THE PRODUCT HAS BEEN EXPOSED TO RAIN OR MOISTURE.
- THE PRODUCT DOES NOT APPEAR TO OPERATE NORMALLY OR EXHIBITS A MARKED CHANGE IN PERFORMANCE.
- THE PRODUCT HAS BEEN DROPPED, OR THE ENCLOSURE DAMAGED.

DO NOT ATTEMPT TO SERVICE THE PRODUCT BEYOND THAT DESCRIBED IN THE OPERATING INSTRUCTIONS. FOR ALL OTHER SERVICING, REFER TO QUALIFIED SERVICE PERSONNEL ONLY.

## WARRANTY INFORMATION

MU-TRON OFFERS A ONE-YEAR LIMITED WARRANTY ON ALL OF OUR PRODUCTS.

IN THE UNLIKELY EVENT OF A MALFUNCTION DUE TO COMPONENT FAILURE OR DEFECTIVE WORKMANSHIP, CONTACT US AT MU-TRON.COM FOR RETURN AUTHORIZATION. WE WILL QUICKLY RESPOND WITH ASSISTANCE AND WILL THEN REPAIR OR REPLACE YOUR PRODUCT AND SEND IT BACK.

PLEASE NOTE THAT WE CANNOT REPLACE A PRODUCT UNTIL WE HAVE RECEIVED IT HERE AT THE FACTORY.

USER-GENERATED MALFUNCTIONS DUE TO DROPPING, INTENTIONALLY BREAKING, ATTEMPTING TO REPAIR DURING THE WARRANTY, OR OPENING THE PRODUCT WILL NOT BE COVERED BY THE WARRANTY. YOU MAY SEND THE UNIT TO US AND WE WILL GIVE YOU AN ESTIMATE REPAIR CHARGE, AND UPON YOUR AUTHORIZATION WE WILL REPAIR AND RE-CALIBRATE THE PRODUCT.

## LIMIT OF LIABILITY REGARDING THE PRODUCT AND ITS POWER SUPPLY

MU-TRON ASSUMES NO RESPONSIBILITY FOR DAMAGE TO THE PRODUCTS, OTHER EQUIPMENT THEY MIGHT CONNECT TO BY ANY MEANS, OR ANY OTHER PROPERTY DAMAGE, INJURY OR DEATH RESULTING FROM ITS USE OR MISUSE.

IT IS POSSIBLE THAT CONNECTING THE TRANSFORMER TO AN INCORRECT VOLTAGE MAY RESULT IN INJURY OR DEATH TO ANYONE OPERATING THE EQUIPMENT.

USE OF INCORRECT POWER SUPPLY WILL VOID WARRANTY.