

## SERVICE FOR YOUR NADY AUDIO PRODUCT

**(U.S.)** Should your NADY AUDIO product require service, please contact the Nady Service Department via telephone at (510) 652-2411, or e-mail at [service@nady.com](mailto:service@nady.com).

**(International)** For service, please contact the NADY AUDIO distributor in your country through the dealer from whom you purchased this product.

***DO NOT ATTEMPT TO SERVICE THIS UNIT YOURSELF AS IT CAN BE DANGEROUS AND WILL ALSO VOID THE WARRANTY.***

**NADY**<sup>®</sup>  
**AUDIO**

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# NADY<sup>®</sup> AUDIO

## OWNER'S MANUAL



# TR-20

## TREMOLO PEDAL

- The **LED INDICATOR (6)** lights when the effect is on. This also serves as the battery check, so when it dims, replace the battery.
- The **FOOTSWITCH (7)** — switches between the effect and the unaltered signal with each press. When the effect is on, the **LED (6)** will light.

## Using the TR-20 with Other Effects

### Place the following effects **BEFORE** the TR-20:

Wah-Wah, Envelope Follower, Compression, Distortion

### Place the following effects **AFTER** the TR-20:

Reverb, Delay, EQ

*Note: For best sound, all effects placed before the TR-20 should be set at unity gain with the signal from the instrument.*

## Specifications

Input Impedance .....	1 M $\Omega$
Nominal Input Level .....	-20dBu
Nominal Output Level .....	-20dBu
Output Impedance .....	1 K $\Omega$
Recommended Load Impedance .....	>10 K $\Omega$
LFO Rate .....	90-900mS
Residual Noise Level (A-weighted) .....	-95 dBu typical
Controls .....	ON/OFF Footswitch, RATE Control, DEPTH Control, WAVE Control
Indicator .....	LED (lights when effect is on. When dim, replace the battery)
Connectors .....	INSTRUMENT IN Jack, OUTPUT Jack, AC ADAPTER Jack (9VDC)
Battery .....	9V Alkaline
AC Adapter .....	PAD-1 (9VDC), optional
Battery Life .....	10 hours nominal, alkaline battery, varies depending on conditions of use.
Dimensions .....	5.88" x 3.88" x 2.1"
Weight (w/o battery) .....	0.85 lbs

*Specifications subject to change without prior notice.*

## Introduction

Congratulations, you have purchased one of the finest effects pedals available. Thanks for choosing NADY.

- Widest variety of vintage tremolo guitar sounds available
- Wave knob offers extensive range of altered waveform tremolo variations, from smooth to very dramatic volume changes
- Rate knob varies tremolo speed
- Depth knob controls the depth of the tremolo

## Important Notes

### Please observe these precautions:

- Inserting the plug of the instrument cable into the input (IN) jack will switch on the pedal's power supply. Remove the plug from the input (IN) jack when not using the unit to prolong the battery life.
- The sound quality will degrade quickly when the LED indicator dims. Replace the battery immediately. Only alkaline batteries are recommended for longest life and reliability.
- When not using the unit for a long time, remove the battery to avoid damage from battery leakage.
- Use only the optional Nady PAD-1 adapter for externally powering your pedal. If you're not going to use it for an extended period of time, disconnect the AC adapter from the AC outlet. Also, when using the adapter, do not share the same power circuit with devices that generate line noise, such as electric motors or lighting dimmers, etc. Please note it is not unusual for the adapter to get very warm in use — this is normal. If there is a battery in the unit while using the PAD-1 AC adapter, normal operation will not be interrupted if the power from the AC adapter is cut off for any reason.
- Don't remove the screws on the bottom or attempt to open the pedal. They are no user serviceable parts inside and any tampering with the circuitry will void the warranty.
- Transport the unit in the box provided (including padding). Rough handling can cause malfunctions and physical damage not covered by warranty.
- Grasp the connector itself whenever connecting/disconnecting all cables — never only pull on the cable.

- Do not use the unit near power amplifiers (or other equipment with large power transformers) as this may induce hum. To alleviate, simply reorient or move the unit.
- Wireless communication devices, such as cell phones, may produce noise in your unit during their use if very close. Relocate or switch off such devices if this occurs.
- Before connecting this unit to other devices, turn down the volume or turned off the power to all units. Also batteries should always be installed or replaced before making any connections. This will prevent damage to speakers and other devices due to possible loud transient noises

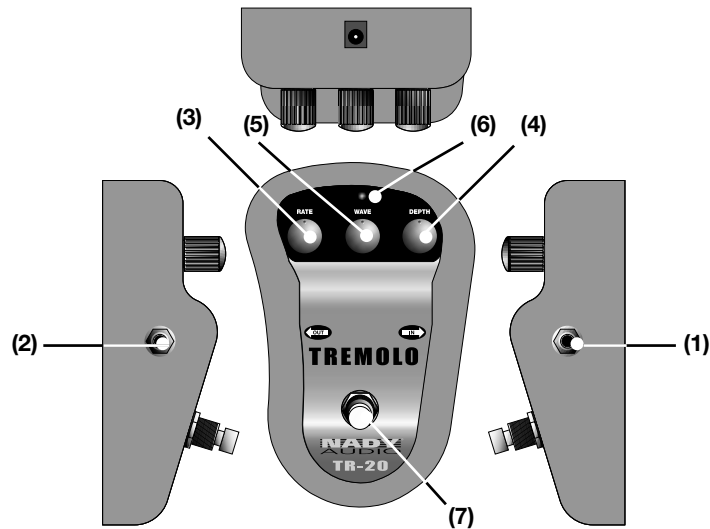
## Changing the Battery

When the effect ON-OFF LED indicator goes dim or no longer lights while the effect is on, it means that the battery is nearly exhausted or dead and must be replaced. Replace the battery following the steps below.

This device consumes considerable power, so use of the optional PAD-1 AC adapter is recommended. For maximum battery life and reliability, use only 9V alkaline batteries.

1. Use your thumb to pry open the battery compartment cover latch on the bottom of the unit and remove the cover with the attached battery.
2. Replace with a fresh alkaline battery, connecting it to the snap cord (carefully observing the battery's polarity, + vs. -), reinsert in the holder, and snap the cover into place (avoid getting the snap cord pinched between the cover and bottom plate).

## Connections and Controls



1. The **INPUT (1)** jack accepts input signals from guitars or other musical instruments or other effects units.
2. The **OUTPUT (2)** jack connects the unit to an amplifier or another effects unit.

### Control:

- The **RATE (3)** knob controls the rate of the tremolo. Turn clockwise for increasing the tempo (faster rate).
- The **DEPTH (4)** knob controls the depth of the tremolo. When it is turned fully counterclockwise, no tremolo affect will be created.
- The **WAVE (5)** knob controls the waveform of the tremolo. It enables transitions from smooth volume changes to more dramatic ones