

— TWILIGHTER STEREO® —



**MAGNATONE**

EST. 1937 MADE IN USA

**TRUE DIMENSIONAL SOUND**



[MAGNATONEUSA.COM](http://MAGNATONEUSA.COM)



## WELCOME TO MAGNATONE

Welcome to the proud family of Magnatone owners. We are excited to have you join this group that consists of the world's great guitarists — including iconic players of yesterday and today — who have masterfully used Magnatone's True Dimensional Sound to create a trademark sound all their own.

Completely made in the USA, every detail of the Twilighter Stereo has been meticulously fashioned for the discerning user – from the hand-wired chassis to the solid pine finger-jointed cabinet. Built to meet the demands of touring professionals, it delivers consistent, reliable performance night after night and will sound great for decades to come.

Built on the classic platform of a 12AX7 front end coupled with a 6V6 power section, the Twilighter also features tube reverb and tube rectification. The original Magnatone true Pitch-Shifting Vibrato circuit is nestled between the preamp & power amp. This configuration delivers full-bodied clean tones and natural overdrive, all while letting you dial in the perfect “chime.”

The Twilighter Stereo has plenty of muscle for any size gig and performs with a range of tone greater than any amp in its class. The exclusive Magnatone pitch-shifting vibrato will elevate your musical experience to a new level.

If you have questions regarding your Twilighter Stereo or any other Magnatone product, email us at

[info@magnatoneusa.com](mailto:info@magnatoneusa.com)

or reach us by mail at:

Magnatone USA  
3283 Ivanhoe Ave.  
St. Louis, MO 63139

## FEATURES

- Original varistor-based Pitch-Shifting Vibrato that gives you True Dimensional Sound – a Magnatone exclusive
- Classic sound artfully updated and brought into the 21st century
- Vibrato and tremolo both available via the FM/AM switch
- This is electronic Americana that oozes classic tone – a tribute to its ancestor with modern power and reliability
- Completely made in the USA





## PANEL CONTROLS (VIEW FROM REAR OF AMPLIFIER)

ALL LEFT AND RIGHT REFERENCES ACCURATE FROM REAR



### INPUTS

**Input 1:** High Sensitivity

Use this input for max pickup output and frequency response

**Input 2:** Low Sensitivity (6dB)

Use this input for hotter pickups.

### VOLUME

Controls overall gain/volume. Typically, breakup will begin to occur around 3-4 on the dial. Higher setting may require less bass.

### TREBLE

Controls high frequency response centered around 2Khz.

### MID

Controls mid frequency response centered around 500hz.

### BASS

Controls low frequency response centered around 60hz.

### REVERB

Controls the amount of reverberation effect. The drive and recovery circuits have been optimized for a smooth reverb decay.

### SELECTOR SWITCH

**Off:** Bypasses the vibrato circuitry.

**Mono:** Effect appears in phase at each speaker.

**Stereo:** Effect applied out of phase at each speaker.

**Wet/Dry:** Left speaker is affected, right speaker is unaffected.

**Dry/Wet:** Inverts the above in the speakers.

### INTENSITY

Controls the amount of modulation effect. A good balance of effect should be maintained for normal use.

### FM/AM SWITCH

Controls whether the effect is exclusive Magnatone pitch shifting vibrato (FM) or conventional tremolo (AM).

**AM-** Amplitude Modulation

**FM-** Frequency Modulation

### REMOTE PEDAL

Connect an expression pedal to this jack using a stereo TRS cable. When connected, the front panel speed control is disabled. The remote pedal works with both FM and AM settings.

### SPEED

Controls the rate or speed of the selected effect.

The exclusive Magnatone design allows for extremely slow “choral” settings not attainable from the original design.

When the remote pedal is connected, the front panel control is inactive.

### REMOTE SPEAKERS

External 8 Ohm left and right speakers connect here. Note that internal speakers remain live.

### LINE OUT

Line level outputs. Speaker response compensated for DI use. Always maintain a speaker load while using the line output.

### STANDBY SWITCH

Allow the amplifier 1 minute to warm up before engaging.

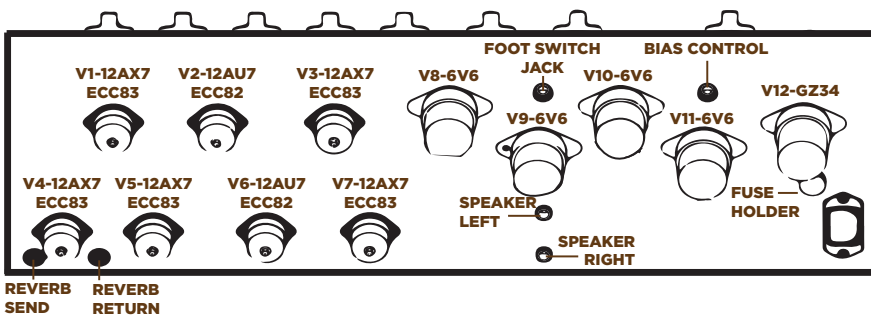
### POWER SWITCH

Turns the amplifier on and off.

Make sure you are plugged into a proper grounded outlet.

## TUBE LAYOUT (VIEW FROM REAR OF AMPLIFIER)

ALL LEFT AND RIGHT REFERENCES ACCURATE FROM REAR



**V1** First and Second Gain Stage  
**V2** Vibrato Modulator (Left)  
**V3** Phase Splitter (Left)  
**V4** Reverb Drive and Recovery  
**V5** Third Gain Stage/LFO Amp  
**V6** Vibrato Modulator (Right)

**V7** Phase Splitter (Right)  
**V8** Power Tube (Left)  
**V9** Power Tube (Left)  
**V10** Power Tube (Right)  
**V11** Power Tube (Right)  
**V12** Rectifier Tube

## TECH SPECS

**TUBE COMPLEMENT** (5) 12AX7, (2) 12AU7, (4) 6V6, GZ34

**INPUTS** High Sensitivity -1 MOhms; Low Sensitivity -120 KOhms

**POWER OUTPUT** 22 + 22 Watts Push/Pull Class AB Stereo

**GAIN** 80 dB

**TREBLE** 14 dB range at 2 kHz

**MID** 10 dB range at 500 Hz

**BASS** 12 dB range at 60 Hz

**REVERB** Tube driven 4 counter wound springs long pan.

**VIBRATO** True pitch-shifting stereo varistor vibrato. Switchable to conventional tremolo. Mono/stereo, wet/dry operation.

**SPEAKERS** (2) Magnatone Custom USA 12" Ceramic Magnet

**FUSE** T3A (120VAC Model); T1.6A (220-240VAC Model)

**OPTIONAL REMOTE PEDAL**

## FOOT SWITCH

- Use the supplied TRS cable to connect to the foot switch.
- Always unplug foot switch after use and make sure both lights are off.
- Foot switch uses a 9V battery; a standard DC power jack is included.
- Light On: Effect On
- Pulsating light shows Vibrato/Tremolo speed and Tremolo Frequency



## WARRANTY

All Magnatone amplifiers are warranted to the original purchaser to be free of defects in materials and workmanship for three years from the date of purchase, providing that:

- The purchaser emails ([register@magnatoneusa.com](mailto:register@magnatoneusa.com)) or mails a photocopy of the original purchase receipt to Magnatone Amplifiers within thirty days of purchase.
- Problems are not the result of normal wear, misuse, abuse, user error, shipping damage, tampering, circuit modification, improper voltage, improper tube installation (incorrect orientation of the tubes can damage the amp), spilled beverages, or attempt to repair by purchaser or a non-authorized service center; any of these will void the warranty.
- The amplifier is shipped to Magnatone Amplifiers or an authorized Magnatone Service Center in the original packing materials, or materials of equal quality, with freight paid by the purchaser. (**Note:** if the amplifier failed within thirty days of use, shipping will be reimbursed to purchaser by Magnatone, less any transaction fees incurred by purchaser).

**Tubes, speakers, and reverb tanks carry a ninety-day warranty and are subject to the same terms and conditions as stated above.**

### REGISTER YOUR MAGNATONE ONLINE

To insure that your warranty is in place, take a minute and register your amplifier online. Just go to [magnatoneusa.com](http://magnatoneusa.com) and select "Product Registration" under the "Support" tab. Fill in the required information and submit. Very quick and easy.



This symbol represents a hot surface. When this symbol is displayed, nearby components (vacuum tubes) are extremely hot and care must be taken in their vicinity.



### CAUTION

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS AMPLIFIER TO RAIN OR MOISTURE. TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT OPEN AMPLIFIER CHASSIS. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE.



## WARNING

- THERE ARE NO USER SERVICEABLE PARTS INSIDE. DO NOT ATTEMPT TO SELF REPAIR TAKE TO QUALIFIED TECHNICIAN OR CALL YOUR DEALER IF WITHIN THE WARRANTY PERIOD.
- **DO NOT** TURN AMPLIFIER ON WITHOUT SPEAKER CONNECTED. MAKE SURE YOUR SPEAKER OR CABINET MATCHES IMPEDANCE (8 OHM SPEAKER OR CAB INTO THE 8 OHM JACK).
- CLEAN ONLY WITH LINT-FREE DAMP CLOTH AND DO NOT USE CLEANING AGENTS.
- ONLY CONNECT POWER CORD TO A POLARIZED, SAFETY GROUNDED OUTLET WIRED TO CURRENT ELECTRICAL CODE AND COMPATIBLE WITH VOLTAGE, POWER, AND FREQUENCY REQUIREMENTS STATED ON THE REAR PANEL OF THE APPARATUS.
- TO REDUCE THE RISK OF ELECTRICAL SHORT OR FIRE, DO NOT EXPOSE THE UNIT TO RAIN, MOISTURE, OR BEVERAGES.
- SERVICE MUST BE PERFORMED BY QUALIFIED PERSONNEL.
- OUR AMPLIFIERS ARE CAPABLE OF PRODUCING HIGH SOUND PRESSURE LEVELS. CONTINUED EXPOSURE TO HIGH SOUND PRESSURE LEVELS CAN CAUSE PERMANENT HEARING IMPAIRMENT OR LOSS. USER CAUTION IS ADVISED AND EAR PROTECTION RECOMMENDED IF UNIT IS OPERATED AT A HIGH VOLUME.



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