Artist®
GUITARS

TWOTONE
MANUAL



IMPORTANT SAFETY INSTRUCTIONS

- Read these instructions.
- Keep this instruction manual.
- Pay close attention to all the warnings.
- Follow all instructions.
- Do not use near water.
- Do not, under any circumstance, expose to any dripping or splashing liquid. Do not place items with liquids (such as vases, glasses or bottles of liquid) on top of the amp.
- Clean only with dry cloth.
- Do not block any ventilation openings.
- Install in accordance with the manufacturer's instructions.
- Do not install near anything that produces heat. This includes things such as radiators, heaters, stoves and other amplifiers.
- Do not modify or change the AC plug. A grounding type plug has two blades and a third grounding prong. The third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Do not allow the power cable to be bent, pinched, walked on, or put in any such place where damage may occur.
- Unplug the amplifier during lightning storms or when unused for long periods of time.
- Contact manufacturer or authorized repair technician when servicing is needed. Servicing is required when the amplifier has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

- Excessive sound pressure from earphones and headphones can cause hearing loss.
- No naked flame sources, such as candles should be placed on or near the apparatus.
- If needed, lift amplifier with care. Use a trolley as needed, but caution is advised to prevent the trolley tipping over.



"TO COMPLETELY DISCONNECT THE AMPLIFIER FROM THE AC MAINS, DISCONNECT THE POWER SUPPLY CORD PLUG FROM THE AC WALL SOCKET".

"WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS AMPLIFIER TO RAIN OR MOISTURE AND OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHOULD NOT BE PLACED ON THIS APPARATUS".



This symbol is intended to alert the user to the presence of important operation and maintenance (servicing) instructions in the literature accompanying the appliance.



This symbol 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.



This amplification unit uses vacuum tubes to operate. Be aware that there are dangers involved with removal and damage to these tubes. They operate at a high voltage, produce a large amount of excess heat and are made of glass. Breakage can result in lacerations from glass shards.

Do not move the TwoTone after prolonged use. Allow 5-10 minutes for the vacuum tubes to cool down before moving.

Unless you are a qualified technician, do not attempt to remove the amplifier from the cabinet, or alter any internal wiring, as components like capacitors can result in electrocution, even after the TwoTone has been powered off.

Notice regarding disposal (EU only)

When this "crossed-out wheeled bin" symbol is displayed on the product, owner's manual, battery, or battery package, it signifies that when you wish to dispose of this product, manual, package or battery you must do so in an approved manner. Do not discard this product, manual, package or battery along with ordinary household waste. Disposing in the correct manner will prevent harm to human health and potential damage to the environment. Since the correct method of disposal will depend on the applicable laws and regulations in your locality, please contact your local administrative body for details. If the battery contains heavy metals in excess of the regulated amount, a chemical symbol is displayed below the "crossed-out wheeled bin" symbol on the battery or battery package.

INTRODUCTION

Thank you for purchasing your new Artist TwoTone! Inspired by the legendary British and American amplifiers of a bygone era, the TwoTone is a powerful 25W dual-channel, all-tube amplifier. Capable of everything from glassy clean chimes to wild tube saturation, the TwoTone is the ultimate gigging and recording amplifier, with plenty of headroom for booming clean tones, as well as the ability to break up at lower volumes for unparalleled tone in the comfort of your living room!

If you want to learn more about Artist Guitars, head to our website!

AU: artistguitars.com.au
NZ: artistguitars.co.nz
UK: artistguitars.co.uk

FEATURES

With two all-valve channels, each with a uniquely voiced preamp section, the Artist TwoTone delivers the finest in vintage guitar tone from both sides of the Atlantic. Amp One is the 'British voiced' channel on the left, which delivers a tighter, upper-mid focused crunch, characterised by lower headroom compared to Amp Two, the 'American voiced' channel on the right, which produces looser, slightly mid-scooped bell tones with higher headroom, a sound for which classic American tube amps have become widely sought after.

Both Amp One and Amp Two feature a 3-Band EQ, as well as a channel Volume knob, which can be used to drive the preamp section of the amp for natural tube compression, with overall volume dialled in to taste using the Master Volume knob.

We've designed Amp Two with extra headroom, which allows for ultra-loud, glassy cleans before breakup. If you're after more saturation, turn up the channel Volume knob while controlling the overall volume of the amplifier via the Volume knob on the Master section.

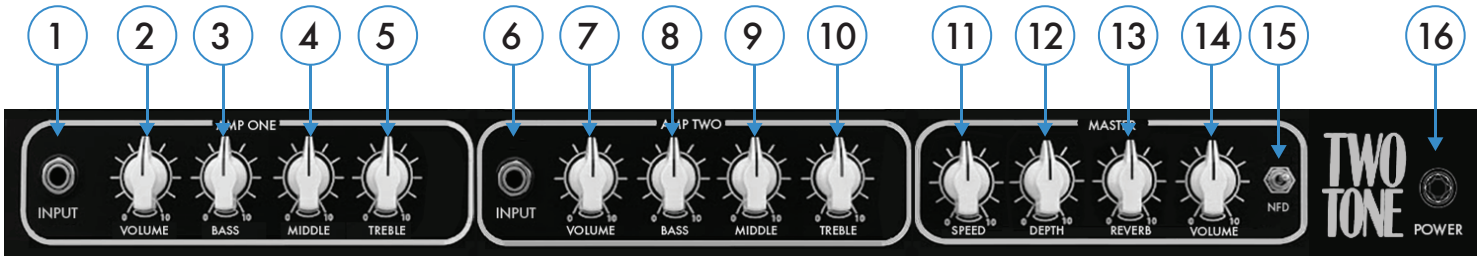
The Master section of the TwoTone features a set of controls that operate on both amplifiers. The TwoTone features an improved tube-driven optical Tremolo circuit, which can be dialled in to your taste using the Speed and Depth knobs. The Tremolo can only be switched on and off using the included footswitch. Optimised with a slower speed, this tremolo remains usable across the entire sweep of the knob, unlike older designs, which many players find unusable at the higher range of the Speed setting.

The Reverb knob controls the overall level of the amplifier's Spring Reverb tank, driven by a 12AT7 and 12AX7 tube. Where many valve amplifiers equipped with spring reverb tanks go from subtle to overpowering with a slight bump of the knob, we've dialled in the reverb on the TwoTone to increase more naturally across the range of the knob, allowing you to fine-tune your desired level of reverb between a more subtle effect and ultra-wet, ambient spring reverb tones.

We've also included a Negative Feedback Defeat (NFD) switch to the right of the Master Volume knob, a feature that makes the TwoTone even more versatile. This switch controls Negative Feedback Defeat on both Amp One and Amp Two. Activating the switch provides more raw tube tone, with increased responsiveness to pick attack and guitar volume, a "bell-like" or "chimey" quality, and earlier distortion at lower volumes. In contrast, when negative feedback is engaged, it provides a cleaner, more controlled sound with a flattened frequency response and less distortion. Some of the most famous vintage British amplifiers were made with no negative feedback, meaning the TwoTone truly covers every classic vintage valve tone.

The TwoTone is fitted with an Italian Jensen C12K Speaker. While not strictly a vintage reissue, the C12K is the first design that Jensen developed in the early '90s. It is tonally inspired by the classic vintage ceramic Jensen, but with a substantially stronger voice, full bass and smooth top end.

FRONT PANEL



1. Input (Amp One)

This is the input on the 'Amp One' (British voiced) channel. Plug one end of your lead into your guitar, and the other end into this input.

2. Amp One Channel Volume

This controls the volume of the pre-amp on Amp One. Turn the dial clockwise towards 10 to increase the volume and drive the pre-amp tubes harder.

3. Bass EQ Control (Amp One)

This knob controls the bass frequencies of the guitar tone when plugged into Amp One. If it's turned all the way to the left, you'll have noticeably less low-frequency content in your guitar tone. All the way to the right, and you'll have noticeably more.

4. Middle EQ Control (Amp One)

This knob controls the mid-range frequencies of the guitar tone when plugged into Amp One. If it's turned all the way to the left, you'll have noticeably less mid-frequency content in your guitar tone. All the way to the right, and you'll have noticeably more.

5. Treble EQ Control (Amp One)

This knob controls the treble frequencies of the guitar tone when plugged into Amp One. If it's turned all the way to the left, you'll have noticeably less high-frequency content in your guitar tone. All the way to the right, and you'll have noticeably more.

6. Input (Amp Two)

This is the input on the 'Amp Two' (American voiced) channel. Plug one end of your lead into your guitar, and the other end into this input.

7. Amp Two Channel Volume

This controls the volume of the pre-amp on Amp Two. Turn the dial clockwise towards 10 to increase the volume and drive the pre-amp tubes harder.

8. Bass EQ Control (Amp Two)

This knob controls the bass frequencies of the guitar tone when plugged into Amp Two. If it's turned all the way to the left, you'll have noticeably less low-frequency content in your guitar tone. All the way to the right, and you'll have noticeably more.

9. Middle EQ Control (Amp Two)

This knob controls the mid-range frequencies of the guitar tone when plugged into Amp Two. If it's turned all the way to the left, you'll have noticeably less mid-frequency content in your guitar tone. All the way to the right, and you'll have noticeably more.

10. Treble EQ Control (Amp Two)

This knob controls the treble frequencies of the guitar tone when plugged into Amp Two. If it's turned all the way to the left, you'll have noticeably less high-frequency content in your guitar tone. All the way to the right, and you'll have noticeably more.

11. Master Tremolo Speed

The TwoTone features an optical tremolo, which is activated across both Amp One and Amp Two using the included footswitch. This knob controls the oscillation rate of the optical tremolo. Turn clockwise to increase the tremolo rate.

12. Master Tremolo Depth

With the optical tremolo active, this knob controls the intensity, or level, of the effect. Turn clockwise to increase the intensity, or anti-clockwise for a more subtle effect.

13. Master Reverb Control

This knob controls the level of spring reverb across Amp One and Amp Two. Turn it clockwise to increase the reverb level. When set at 0, there will be no reverb in your sound. When set at 10, the maximum amount of reverb will be active. This effect can be toggled off and on using the included footswitch.

14. Master Volume Control

This knob controls the overall volume level from the amplifier. If set to 0, the TwoTone will make no sound. Turn clockwise to increase the overall volume output of the amplifier.

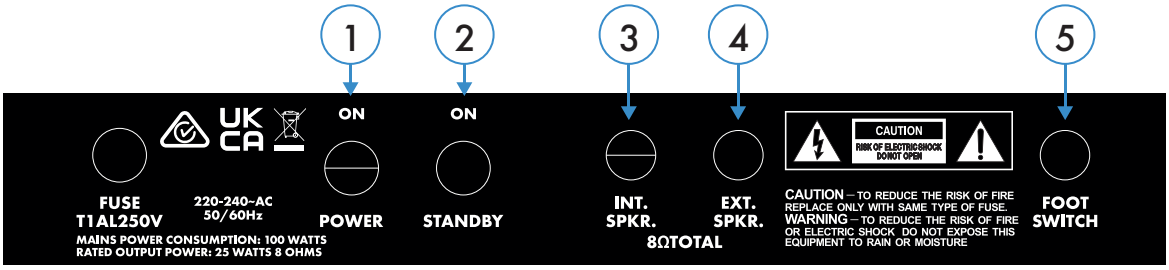
15. Master Negative Feedback Defeat Switch

This switch controls Negative Feedback Defeat on both Amp One and Amp Two. In the UP position, Negative Feedback Defeat is disengaged. In the DOWN position, Negative Feedback Defeat is engaged, no matter the input your guitar is plugged into.

16. Power Indicator Light

This lights up to inform you that the amplifier is switched on.

REAR PANEL



1. Power Switch

This switch turns the amplifier on and off.

2. Standby Switch

This switch puts the amplifier in and out of standby mode. When switched to the Standby position, the amplifier circuitry will be active, and the amplifier will power up, but it will not emit any sound. This allows the tubes in the amplifier to warm up before use, and prevents any loud pops or other noises when the amplifier is powered down. It is recommended to switch the amp to standby mode before powering up, and once again before switching the amplifier off.

3. Internal Speaker Connection

This is the input for the Jensen C12K speaker. If you wish to use the amplifier with a different speaker cabinet, you can disconnect the factory speaker here. IMPORTANT: Never play through the amplifier without a speaker connected. This could result in serious damage to your TwoTone by sending high voltage feedback to the output tubes and transformer. If disconnecting the internal speaker, you should always ensure that you are connected to an external speaker cabinet before playing through the amplifier.

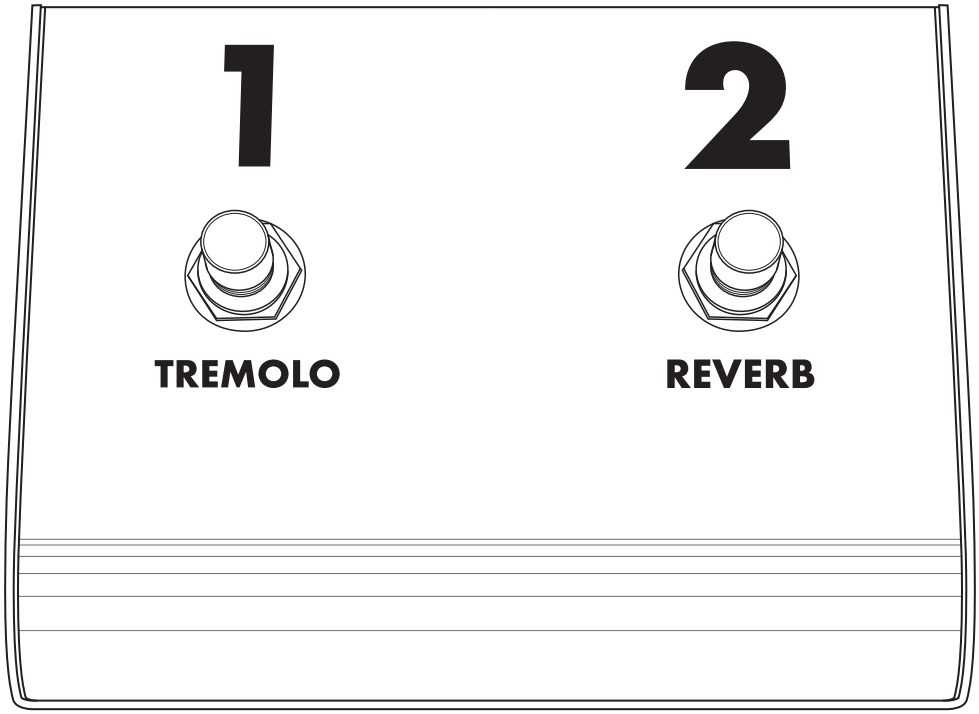
4. External Speaker Connection

As above, if you wish to use an external speaker cabinet, you can use this input to connect it to the TwoTone. Always take care to ensure the impedance of your cabinet matches the impedance of the TwoTone. Failing to do so may result in sound loss, distortion, and even permanent damage to your amplifier, particularly its output transformer and vacuum tubes, due to inefficient power transfer.

5. Footswitch Connection

Plug the included two-button footswitch into this input, so that it may be used to switch the reverb and tremolo effects on/off.

FOOTSWITCH



1. This button switches the tremolo effect on/off. **The tremolo effect can only be activated using the footswitch.**
2. This button switches the spring reverb effect on/off. The reverb on the TwoTone is a master effect, meaning it will work on either channel.

TECHNICAL SPECIFICATION

Output Power: 25W (RMS)

Speaker: 1 x 12 inch, Jensen C12K Speaker

Speaker OHM: 8 ohm

Tubes:

1 12AX7 Preamp Tube
2 12AX7 Preamp Tube
3 12AT7 (Reverb)
4 12AX7 (Reverb Recovery)
5 12AX7 (Tremolo)
6 12AT7 Phase Inverter Tube
7 6V6 Power Tube
8 6V6 Power Tube
9 5AR4 Rectifier Tube

Dimensions: 685mm W x 315mm D x 510mm H

Weight: 20.5kg

Power Consumption: 100W

Power Plug: (See our blog post for more details)

- AU & NZ: 240V with AU/NZ Plug
- UK: 230V with a UK plug (with a 13a fuse in the plug)
- USA: 120V with a USA 3 pin plug

ADDITIONAL INFORMATION

- This is a tube amp. Tube-driven amplifiers generally take around 10-20 seconds to warm up before you hear any sound after they're switched on. Use the standby switch during this time to prevent any loud pops and to prolong tube life.
- Tubes are fragile and consumable. Over time, the tubes will wear out and will need to be replaced. Take care when moving the amp, always switch to standby when plugging in or unplugging your guitar or pedals and try not to bump or knock the amp around in order to prolong the life of your tubes.
- After amp is powered off, the sound will dissipate over a couple of seconds. The audio will not cut off immediately. Put the amplifier into standby mode before powering off.
- The tubes will light up and generate heat. If you ever smell any burning smells or see any smoke, turn the amplifier off immediately and contact us.
- If you have any questions or concerns, don't hesitate to reach out to us and we will do all we can to assist you.

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