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## VOX VT20X BUNDLE

# VOX VT20X Guitar Modeling Amplifier User Manual

Model: VT20X BUNDLE

## INTRODUCTION

Thank you for purchasing the VOX VT20X Guitar Modeling Amplifier. This amplifier combines advanced modeling technology with a Valvetronix vacuum tube preamp circuit to deliver authentic tube tone and a wide range of sounds. With 11 realistic amp models, 13 high-quality effects, and 33 preset programs, the VT20X offers versatile sonic possibilities for guitarists. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your amplifier.



Figure 1: VOX VT20X Amplifier and included 10-foot Planet Waves Classic Series Instrument Cable.

## SETUP

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Follow these steps to set up your VOX VT20X amplifier for the first time.

1. **Unpacking and Inspection:** Carefully remove the amplifier and all accessories from the packaging. Inspect for any signs of damage during transit. Ensure the included 10-foot Planet Waves Classic Series Instrument Cable is present.
2. **Placement:** Place the amplifier on a stable, flat surface. Ensure adequate ventilation around the unit to prevent overheating. Avoid placing it near heat sources or in direct sunlight.
3. **Power Connection:** Connect the supplied AC power cord to the amplifier's power input jack and then to a suitable AC outlet. Ensure the amplifier's POWER switch is in the OFF position before connecting.
4. **Guitar Connection:** Connect one end of the instrument cable to your guitar's output jack and the other end to the **INPUT** jack on the front panel of the amplifier.
5. **Initial Power-On:** Before turning on the amplifier, ensure the **VOLUME** and **POWER LEVEL** knobs are set to their minimum positions. Flip the POWER switch to the ON position. The power indicator light will illuminate.



Figure 2: Front view of the VOX VT20X amplifier, showing the speaker grille and VOX Valvetronix branding.

## OPERATING INSTRUCTIONS

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This section details the various controls and functions of your VT20X amplifier.





Figure 3: Detailed view of the VOX VT20X amplifier's top control panel, showing knobs for Gain, Treble, Middle, Bass, Volume, Power Level, and various buttons for amp models, effects, and user programs.

## Control Panel Overview

- **INPUT Jack:** Connect your guitar here.
- **PRESET Programs:** Buttons to select from 33 factory preset programs.
- **AMP MODELS:** Select from 11 realistic amp models. Turn the knob to cycle through models like VOX AC30TB, BRIT 800, DELUXE CL, etc.
- **GAIN Knob:** Adjusts the amount of pre-amp gain, affecting distortion and sustain.
- **TREBLE, MIDDLE, BASS Knobs:** Standard 3-band EQ controls to shape your tone.
- **VOLUME Knob:** Adjusts the overall output volume of the amplifier.
- **POWER LEVEL Knob:** Controls the output power of the amplifier, allowing for tube-like distortion at lower volumes.
- **EFFECTS Section:** Buttons and knobs for selecting and adjusting 13 high-quality on-board effects including Compression, Chorus, Flanger, Phaser, Tremolo, Delay, Reverb (Spring, Hall, Plate), Overdrive, and Distortion.
- **TAP Button:** Used for setting the tempo of time-based effects like Delay and Tremolo. Also functions as a tuner when held.
- **USER PROGRAMS:** Buttons (CH1-CH4) to save and recall your custom amplifier and effect settings. Hold a button to save, press to recall.
- **AUX IN Jack:** Connect an external audio player (e.g., smartphone, MP3 player) to play along with your favorite tracks.
- **HEADPHONES Out Jack:** Connect headphones for silent practice. This mutes the internal speaker.
- **USB Port:** Connect to a computer for deep editing of amp models and effects using VOX Tone Room software, and for firmware updates.
- **FOOT SW Jack:** Connect an optional VOX VFS2 or VFS5 footswitch for hands-free control of programs and effects.

## Using the Valvetronix Preamp

The VT20X features a Valvetronix preamp that utilizes a vacuum tube multi-stage amplification circuit to emulate the response and feel of a true tube amplifier. The **BIAS SHIFT** and **CLASS** indicators on the control panel provide visual feedback on the tube's operating characteristics, which can be adjusted via the Tone Room software for fine-tuning the amplifier's response.



Figure 4: Close-up view of the Valvetronix section, showing BIAS SHIFT (GRN:COLD, RED:HOT) and CLASS (GRN:A, RED:A/B) indicators, which reflect the vacuum tube's operational state.

## USB Connectivity and Software

The USB port allows you to connect your VT20X to a computer or smart device. By using the dedicated VOX Tone Room software, you can access deeper editing parameters for amp models and effects, manage your user programs, and perform firmware updates. This expands the amplifier's capabilities significantly.





Figure 5: A smartphone connected to the VOX VT20X amplifier via USB, displaying the VOX Tone Room application interface for advanced sound editing.

## MAINTENANCE

Proper maintenance will ensure the longevity and optimal performance of your VT20X amplifier.

- **Cleaning:** Use a soft, dry cloth to wipe down the exterior of the amplifier. For stubborn dirt, a slightly damp cloth can be used, but ensure no moisture enters the vents or jacks. Do not use abrasive cleaners, waxes, or solvents.
- **Storage:** When not in use for extended periods, store the amplifier in a cool, dry place away from direct sunlight and extreme temperatures.
- **Vacuum Tube Care:** The Valvetronix preamp uses a vacuum tube. While designed for durability, tubes can be sensitive to physical shock. Avoid dropping or subjecting the amplifier to strong vibrations. If you suspect a tube issue (e.g., unusual noise, loss of volume), consult a qualified technician.
- **Cable Care:** The included instrument cable should be coiled loosely when not in use to prevent kinks and damage to the internal wiring. Avoid stepping on or placing heavy objects on the cable.

## TROUBLESHOOTING

If you encounter issues with your VT20X amplifier, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No sound from amplifier.	<ul style="list-style-type: none"> <li>Power not connected or turned on.</li> <li>Volume/Power Level knobs set to minimum.</li> <li>Guitar cable faulty or not connected properly.</li> <li>Headphones connected.</li> <li>Amp model or effect settings muted output.</li> </ul>	<ul style="list-style-type: none"> <li>Ensure power cord is securely connected and POWER switch is ON.</li> <li>Increase VOLUME and POWER LEVEL knobs.</li> <li>Check guitar cable connections; try a different cable.</li> <li>Disconnect headphones from HEADPHONES Out jack.</li> <li>Reset to a factory preset program or adjust settings.</li> </ul>
Distorted or poor sound quality.	<ul style="list-style-type: none"> <li>GAIN knob set too high.</li> <li>Incorrect amp model or effect selected.</li> <li>Faulty instrument cable.</li> <li>Guitar's output level too high.</li> </ul>	<ul style="list-style-type: none"> <li>Reduce GAIN.</li> <li>Select a different amp model or adjust effect parameters.</li> <li>Try a different instrument cable.</li> <li>Reduce volume on your guitar.</li> </ul>
No power.	<ul style="list-style-type: none"> <li>Power cord loose or disconnected.</li> <li>Power outlet not working.</li> <li>Internal fuse blown (rare).</li> </ul>	<ul style="list-style-type: none"> <li>Check power cord connections at both amplifier and outlet.</li> <li>Test the power outlet with another device.</li> <li>If fuse is suspected, contact qualified service personnel. Do not attempt to replace yourself.</li> </ul>

If the problem persists after trying these solutions, please contact VOX customer support or a qualified service technician.

## SPECIFICATIONS

<b>Model Name:</b>	VOX VT20X Guitar Modeling Amplifier
<b>Model Number:</b>	VT20X BUNDLE
<b>Output Wattage:</b>	20 Watts
<b>Speaker:</b>	1 x 8 inch
<b>Amp Models:</b>	11 (e.g., VOX AC30TB, BRIT 800, DELUXE CL)
<b>On-board Effects:</b>	13 (e.g., Compression, Chorus, Flanger, Phaser, Tremolo, Delay, Reverb, Overdrive, Distortion)
<b>Preset Programs:</b>	33
<b>Connectivity:</b>	Input, AUX In, Headphones Out, USB
<b>Optional Accessories:</b>	VOX VFS2, VFS5 Footswitches
<b>Power Source:</b>	Corded Electric
<b>Dimensions (L x W x H):</b>	20 x 20 x 20 inches (approximate)
<b>Weight:</b>	19.3 pounds (approximate)






# WARRANTY AND SUPPORT

VOX products are manufactured to high quality standards. For information regarding warranty coverage, terms, and conditions, please refer to the warranty card included with your product or visit the official VOX website. For technical support, service, or inquiries about replacement parts, please contact VOX customer service through their official website or authorized service centers. Always provide your product model number (VT20X BUNDLE) and serial number when seeking support.



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## Related Documents - VT20X BUNDLE

	<p><a href="#">VOX VT20X VT40X Modeling Guitar Amplifier Owner's Manual</a></p> <p>Comprehensive guide to the VOX VT20X and VT40X modeling guitar amplifiers, detailing features, setup, effects, and operation for musicians.</p>
	<p><a href="#">VOX VX50 GTV / VX15 GT Guitar Amplifier Owner's Manual</a></p> <p>Detailed owner's manual for the VOX VX50 GTV and VX15 GT modeling guitar amplifiers, covering setup, features, amp models, effects, and specifications.</p>
	<p><a href="#">VOX Adio Air GT / Adio GT Owner's Manual</a></p> <p>Comprehensive user manual for the VOX Adio Air GT and Adio GT modeling guitar and audio amplifiers, detailing features, setup, operation, and specifications for optimal performance.</p>
	<p><a href="#">VOX MINI GO Series Portable Modeling Guitar Amplifier Owner's Manual</a></p> <p>Comprehensive owner's manual for the VOX MINI GO 3, MINI GO 10, and MINI GO 50 portable modeling guitar amplifiers, detailing features, setup, functions, effects, and troubleshooting.</p>
	<p><a href="#">VOX MINI SUPERBEETLE Guitar Amplifier Owner's Manual</a></p> <p>Comprehensive owner's manual for the VOX MINI SUPERBEETLE Guitar Amplifier, covering setup, features, specifications, and safety precautions. Learn how to use your VOX MINI SUPERBEETLE amplifier.</p>



### [VOX amPlug 2 Headphone Guitar Amplifier Owner's Manual](#)

Comprehensive owner's manual for the VOX amPlug 2 headphone guitar amplifier, detailing installation, operation, controls, modes, specifications, and safety precautions for the Clean, Blues, and Lead models.