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› [Vox VT20X 1x8 inch 20-watt Modeling Guitar Combo Amplifier w/ DSP and Hybrid Design User Manual](#)

VOX VT20X

VOX VT20X Modeling Guitar Amplifier User Manual

Model: VT20X

INTRODUCTION

This manual provides essential information for the safe and effective use of your VOX VT20X Modeling Guitar Combo Amplifier. Please read this manual thoroughly before operating the unit to ensure proper setup, operation, and maintenance. Retain this manual for future reference.



Image: Front view of the VOX VT20X Modeling Guitar Combo Amplifier, showcasing its black textured finish and classic diamond-patterned grille cloth with the VOX logo.

IMPORTANT SAFETY PRECAUTIONS

- **Power Supply:** Use only the specified power adapter. Ensure the voltage matches the requirements of your region.
- **Ventilation:** Do not block ventilation openings. Ensure adequate airflow around the amplifier to prevent overheating.
- **Moisture:** Do not expose the unit to rain, moisture, or excessive humidity. Keep liquids away from the amplifier.
- **Placement:** Place the amplifier on a stable, level surface. Avoid placing it near heat sources or in direct sunlight.
- **Servicing:** Do not attempt to service the unit yourself. Refer all servicing to qualified service personnel.
- **Headphone Use:** Prolonged listening at high volume levels can cause hearing damage.

SETUP

Unpacking and Initial Inspection

Carefully remove the amplifier from its packaging. Inspect the unit for any signs of damage during transit. Ensure all included accessories are present:

- VOX VT20X Amplifier
- Power Adapter
- User Manual (this document)

Connecting Your Amplifier

1. **Power Connection:** Connect the supplied power adapter to the DC IN jack on the rear panel of the amplifier, then plug the adapter into a suitable AC outlet.
2. **Guitar Connection:** Connect your guitar to the **INPUT** jack on the top panel using a standard 1/4-inch instrument cable.
3. **Optional Footswitch:** If using an optional VOX VFS2 or VFS5 footswitch, connect it to the **FOOT SW** jack.
4. **Auxiliary Input:** For connecting external audio devices (e.g., MP3 player, smartphone), use the **AUX IN** jack.
5. **Headphones:** For silent practice, connect headphones to the **HEADPHONE** jack. This will mute the internal speaker.

DIMENSIONS



16.09 lbs

Image: Detailed diagram of the VOX VT20X amplifier's top control panel, labeling various inputs, knobs, and buttons such as Input Jack, Preset Toggle, Amp Model Selector, Gain, 3-band EQ (Treble, Middle, Bass), Volume, Power Scaling Knob, Aux In Jack, Tube Bias Shift Toggle, Real 12AX7 Tube Preamp, External Footswitch Jack, User Program Bank, Effects Section, Effects Parameter Controls, Tap Tempo for Effects, Headphone Output, and Class A/AB Switch.

OPERATING THE VT20X AMPLIFIER

Powering On/Off

Ensure all connections are secure. Turn the **VOLUME** knob to its minimum setting before powering on. Press the **POWER** button to turn the amplifier on. To turn off, press the **POWER** button again.

Understanding the Controls

- **INPUT Jack:** Connect your guitar here.

- **PRESET Toggle:** Switches between preset modes and manual mode.
- **AMP MODELS:** Selects from 20 different amplifier models. Rotate the knob to choose your desired amp type.
- **GAIN:** Adjusts the amount of distortion or overdrive.
- **3-Band EQ (TREBLE, MIDDLE, BASS):** Shapes the tonal characteristics of your sound.
- **VOLUME:** Controls the overall output volume.
- **POWER LEVEL:** Adjusts the output wattage, allowing for tube-like response at lower volumes.
- **AUX IN Jack:** Input for external audio devices.
- **TUBE BIAS SHIFT Toggle:** Adjusts the bias of the 12AX7 vacuum tube for different tonal characteristics (Green: Cold, Red: Hot).
- **CLASS A/AB Switch:** Selects between Class A and Class AB power amp operation, influencing the amplifier's response and feel.
- **USER PROGRAMS (CH1-CH4, BANK):** Allows you to save and recall your custom settings. Use the BANK button to cycle through banks (A, B, C, D) and CH buttons to select channels within each bank. To save a setting, press and hold the desired CH button until it flashes.
- **EFFECTS Section (PEDAL1, PEDAL2, REVERB):**

- **PEDAL1:** Compression, Chorus, Overdrive, Distortion.
- **PEDAL2:** Flanger, Phaser, Tremolo, Delay.
- **REVERB:** Room, Spring, Hall, Plate.

Use the corresponding knobs to adjust effect parameters (VALUE 1, VALUE 2).

- **TAP Button:** Used to set the tempo for time-based effects like Delay and Tremolo.
- **USB Port:** Connects to a computer for use with the Tone Room editor/librarian software.
- **FOOT SW Jack:** For connecting an optional footswitch (VFS2/VFS5) for hands-free control of programs and effects.

Using the Tone Room Software

The VOX VT20X can be connected to a computer (PC/Mac) or mobile device (iOS/Android) via the USB port. The Tone Room software allows for deeper editing of amp models and effects, as well as managing user programs. Download the latest version of Tone Room from the official VOX website.



Image: A VOX VT20X amplifier with a smartphone connected via USB, displaying the Tone Room application interface for editing amplifier settings and effects.

MAINTENANCE

Cleaning

To clean the amplifier, use a soft, dry cloth. Do not use abrasive cleaners, waxes, or solvents, as these can damage the finish. Ensure the unit is unplugged before cleaning.

Storage

When not in use for extended periods, store the amplifier in a cool, dry place away from direct sunlight and extreme temperatures. Protect it from dust and moisture.

Tube Replacement

The VT20X features a 12AX7 vacuum tube in its preamp section. While designed for longevity, tubes may eventually require replacement. If you notice a significant degradation in sound quality or unusual noise, consult a qualified technician for tube inspection and replacement. Only use genuine VOX replacement tubes or equivalent specifications.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No Sound	Power not connected or turned on. Guitar cable faulty or not fully inserted. Volume knob set to minimum. Headphones connected. Amp model or effect settings incorrect.	Check power connection and switch. Ensure cable is secure and functional. Increase VOLUME knob. Disconnect headphones. Adjust AMP MODELS and EFFECTS settings.
Distorted/Unwanted Noise	GAIN too high. Faulty guitar cable or instrument. Interference from other electronic devices. Damaged speaker or tube.	Reduce GAIN. Test with a different cable/instrument. Move amplifier away from other electronics. Contact qualified service personnel.
Controls Not Responding	Software glitch. USB connection issue (if using Tone Room).	Power cycle the amplifier. Check USB cable and Tone Room software connection.

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

SPECIFICATIONS

Feature	Detail
Model Name	VT20X
Output Wattage	20 Watts
Speaker	1 x 8-inch VOX original
Amp Models	20 (using VET technology)
Effects	12 (8 Pedal effects, 4 Reverb effects)
User Programs	8 (2 banks x 4 channels)
Tube	12AX7 (Valvetronix tube preamp)
Inputs	INPUT, AUX IN, FOOT SW
Outputs	HEADPHONE
Connectivity	USB (Type B)
Dimensions (W x D x H)	9.8 x 19.7 x 16.9 inches (approx.)
Weight	16.09 lbs (approx.)
Power Source	Corded Electric

SPECIFICATIONS:



- **20 amp models, 21 effects**
- **Tube powered preamp circuit**
- **20 Watts**
- **1 x 8" speaker**
- **Headphone out/AUX in**

Image: A visual summary of the VOX VT20X amplifier's key specifications, including 20 amp models, 21 effects, tube powered preamp circuit, 20 Watts output, 1 x 8" speaker, and headphone out/AUX in.

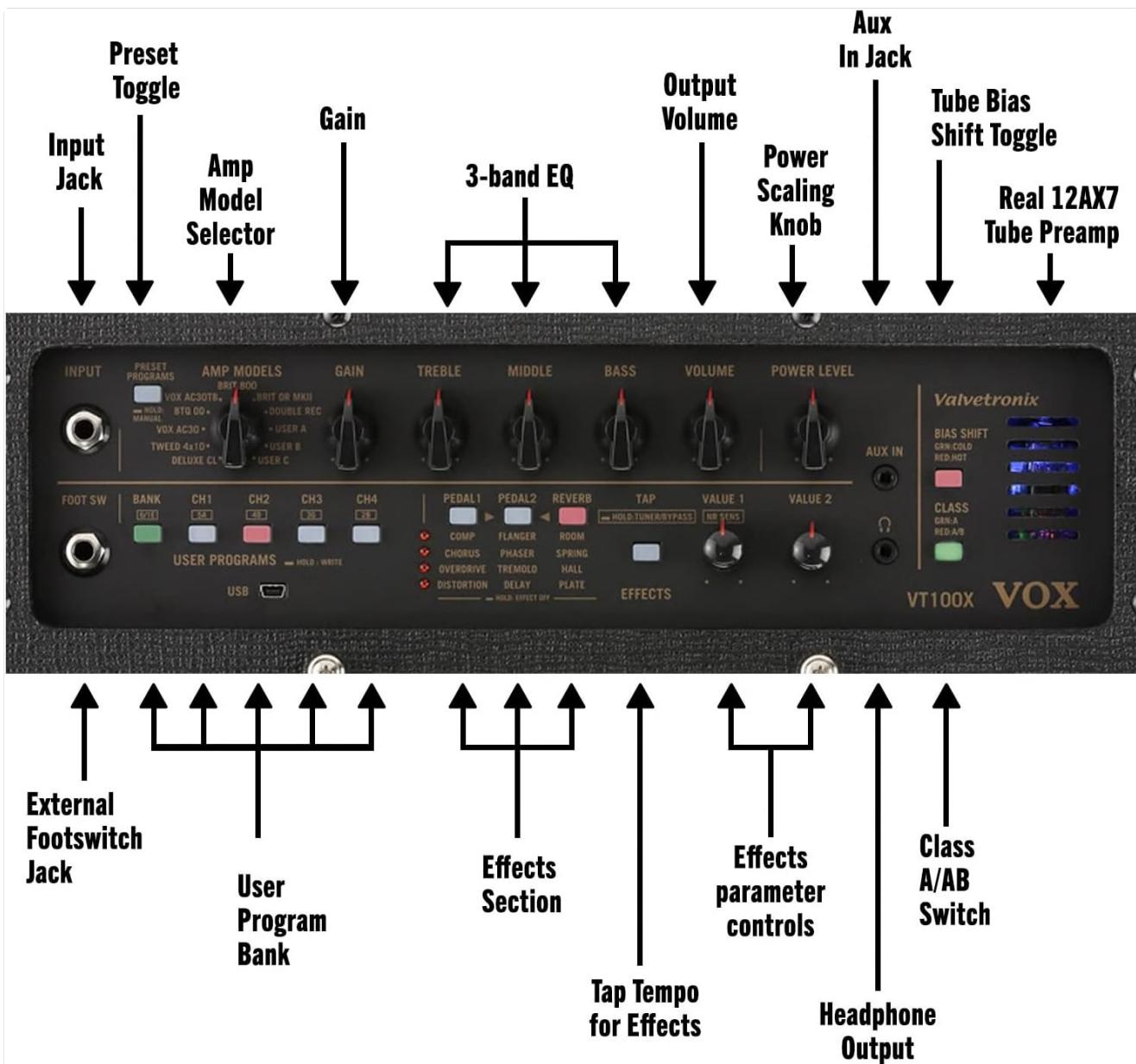


Image: A diagram illustrating the physical dimensions (height, width, depth) and weight of the VOX VT20X amplifier. Dimensions are shown as 13.66" H, 16.14" W, 8.86" D, and weight as 16.09 lbs.

WARRANTY AND SUPPORT

Warranty Information

For detailed warranty information, please refer to the warranty card included with your product or visit the official VOX website. Keep your proof of purchase for warranty claims.

Customer Support

If you require technical assistance, have questions about your product, or need to arrange for service, please contact VOX customer support. Contact information can typically be found on the official VOX website or in the product packaging.

You can also visit the [VOX Store on Amazon](#) for additional product information and resources.

