



Modeling Guitar Amplifier

VTX150

Neodymium

Owner's Manual





IMPORTANT SAFETY INSTRUCTIONS

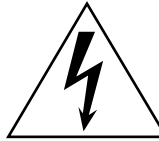
- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water.
- Mains powered apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
- Clean only with dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet. (for USA and Canada)
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Turning off the power switch does not completely isolate this product from the power line so remove the plug from the socket if not using it for extended periods of time.
- Install this product near the wall socket and keep the power plug easily accessible.
- **WARNING**—This apparatus shall be connected to a mains socket outlet with a protective earthing connection.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus 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.
- Do not install this equipment on the far position from wall outlet and/or convenience receptacle.
- Do not install this equipment in a confined space such as a box for the conveyance or similar unit.
- Excessive sound pressure from earphones and headphones can cause hearing loss.
- Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

| | | |
|---|---|---|
|  | CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN |  |
| AVERTISSEMENT: RISQUE DE CHOC ÉLECTRIQUE—NE PAS OUVRIR. | | |
| 注意 感電の恐れあり、キャビネットをあけるな | | |



The lightning flash with arrowhead symbol within an equilateral triangle, 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.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

THE FCC REGULATION WARNING (for USA)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Unauthorized changes or modification to this system can void the user's authority to operate this equipment.

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.

* All product names and company names are the trademarks or registered trademarks of their respective owners.

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Introduction

Welcome!

Thank you for purchasing the VOX Valvetronix Pro VTX150 Neodymium modeling guitar amplifier.

To help you get the most out of your new amplifier, please read this manual carefully.

Get ready to enjoy amazing guitar tones from your new VTX150 Neodymium.

Main features

- This amp uses the VOX Valve Reactor power amp circuit featuring the EL84 (6BQ5) vacuum tube that amps such as the VOX AC30 use as their power tube, generating real tube amp sounds that reproduces the feel and tone of the original amplifier.
- Sophisticated modeling technology is used to provide forty-four different amp models.
- Twenty-five high-quality effects are built-in. You can use up to four effects including noise reduction simultaneously (or up to five effects if you use “multiple effects”).
- You can create a sound using the desired amp and effect, and save it in the memory as one of eight programs (two banks x four channels). Programs can be switched while you perform, either from the top panel or from a foot switch connected to the rear panel (Channel Select mode). For each amp model, three preset programs—Basic, Effect and Song—are provided, giving you a total of 132 programs (Preset mode). The song programs reproduce the tones of classic hits played by famous guitarists.
- Manual mode lets you use the VTX150 Neodymium as a conventional guitar amp. The physical positions of the actual knobs will be applied to the sound.
- By connecting an optional (separately sold) VC-12SV foot controller or VFS5 foot switch, you can use your foot to switch programs, turn effects on/off, or use tap tempo to set the delay time or modulation speed. If a VC-12SV foot controller is connected, you’ll be able to save and access a total of 16 programs, as well as control a wah pedal or volume pedal, further expanding your live performance possibilities.
- The power level control lets you adjust the output wattage of the power amp.
- An extension speaker output jack is provided. By connecting your favorite guitar speaker cabinet (150W 8 ohms), you can obtain up to 300W of output power.

-
- You can use the effects loop jacks to insert an external effects processor in a loop connection.
 - The built-in auto tuner lets you tune a guitar that's connected to the INPUT jack.
 - The AUX IN jack lets you connect a CD/MP3 player, enabling you to play guitar along with recorded music.

Quick start

This Quick Start section is for those of you who would like to start using your new amp right away.

This manual contains information that will help you take full advantage of your Valvetronix amp, so be sure to read the rest of it after reviewing the Quick Start section.

HINT: Illustrations of the top panel and rear panel are provided in "Top and rear panels" (p. 7), so you can refer to them as you try out your amp.

Setup

1. Turn the MASTER volume (p. 8) control on the amp all the way down.
2. Connect the included power cable to the AC power connector on the rear panel, and plug the other end into an AC outlet.
3. Plug the cable that's connected to your guitar into the INPUT jack on the top panel.
4. Turn on the POWER switch.
5. Slowly raise the MASTER volume to adjust the volume.

HINT: The POWER LEVEL control adjusts the output level of the power amp.

NOTE: There may be no sound for several seconds until the vacuum tube warms up. This is not a malfunction.

Checking out the preset programs

1. Press the top Panel PRESET switch.
The PRESET LED will light up (Preset mode).

2. Turn the AMP selector to choose an amp model.

A preset program for a sound that is typical of each amp model will be recalled, and the GAIN, VOLUME, TREBLE, MIDDLE, BASS, and effect settings will switch automatically.

HINT: The amp models are organized into four banks, each bank containing eleven models (a total of forty-four). Press the AMP switch to change banks. Each time you press this, the AMP LED will switch to green, orange, red, or blue and you'll switch to amp banks STD, SPL, CST and EXT. Each of the forty-four amp models has three preset programs (a total of one hundred and thirty-two programs). In Preset mode, pressing the PRESET switch will cycle the PRESET LED among green, orange, and red, switching among preset programs 1 (basic), 2 (effect), and 3 (song).

Each song program reproduces the tone of a hit played by a famous guitarist. See the chart on page 39 for a list of the songs presets included with your amplifier.

Switching between the user programs

1. Press one of the top panel CHANNEL switch (CH1, CH2, CH3, or CH4). The LED for the CHANNEL switch you pressed will light up, and the user program specified for that channel will be recalled (Channel Select mode).

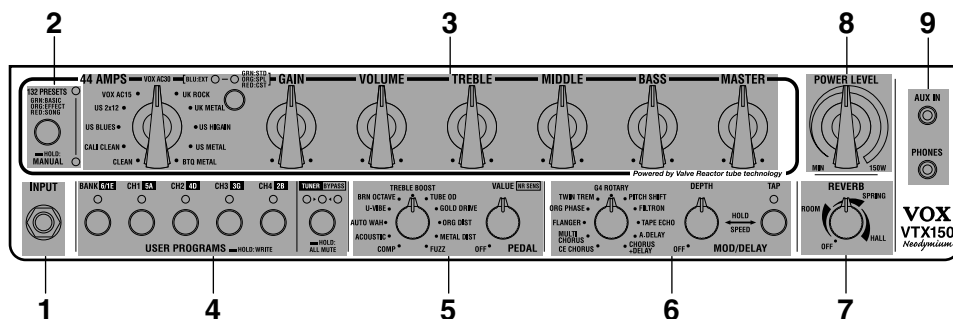
HINT: The user programs are organized into two banks, each bank containing four channels (a total of eight programs). Press the CHANNEL BANK switch to switch banks. Each time you press it, the BANK LED will change between green and red, switching between channel banks 1 and 2. If an optional (separately sold) VC-12SV foot controller is connected, you'll be able to use four banks (a total of 16 programs). To switch to banks 3 or 4, use the VC-12SV's BANK UP/DOWN switches and foot switches [1]–[4].

HINT: You can store your own favorite sounds in a program. For details, please refer to "Saving a program" (p. 16).

Top and rear panels

In this chapter we're going to take a look at the top and rear panels of your Valvetronix amp.

Top panel



1. INPUT section

INPUT jack

This is where you plug in your guitar.

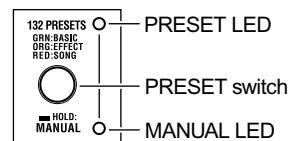
2. PRESETS/MANUAL section

PRESET switch and LED, MANUAL LED

Use this to switch to Preset mode or Manual mode, and to select preset programs (basic, effect, song). Pressing the PRESET switch repeatedly will cycle the program among basic, effect, and song. Press the PRESET switch for more than one second to engage Manual mode.

In Preset mode you can use the AMP switch/selector to select typical sounds (preset programs) for each amp model. The PRESET LED will be lit green (basic), orange (effect), or red (song) when you're in Preset mode.

In Manual mode, the sound will reflect the physical position of all knobs except the VALUE and DEPTH knobs. This lets you use the VTX150 Neodymium just as if it was a conventional guitar amp. The MANUAL LED will be lit when you're in Manual mode.



3. AMP section

Here you can adjust the settings for the amp using the traditional VOX “chicken head” knobs.

AMP switch and selector, LED

Here you can select the amp mode.

Each time you press the AMP switch, the bank and AMP LED color will change as follows:

- STD (Standard): green
- SPL (Special): orange
- CST (Custom): red
- EXT (Extra): blue

Use the AMP selector to choose a model within the selected amp bank.

The operation of the gain circuit, and the response of the tone controls and their location within the circuit are all switched according to the amp model that you select here.

In Preset mode (i.e., when the PRESET LED is lit-up), you can recall preset programs that contain sounds and effect settings that are typical of each amp model.

GAIN control

This adjusts the pre-amp gain of the selected amp model.

VOLUME control

This adjusts the volume of the selected amp model.

TREBLE, MIDDLE, BASS controls

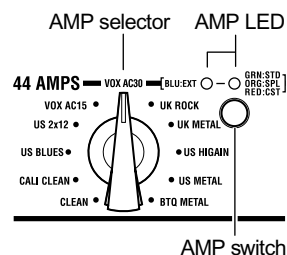
These adjust the tone for the high, mid, and low-frequency ranges. The changes that are produced by each control will differ depending on the amp model that you’ve selected.

MASTER volume

This adjusts the volume that is output from the pre-amp to the Valve Reactor power amp. This setting will change the amount of the Valve Reactor’s distortion.

NOTE: The MASTER volume setting is not programmed.

NOTE: The amount of Valve Reactor distortion is also affected by the GAIN control and VOLUME control. With some settings, there will be almost no distortion.



4. CHANNEL/TUNER section

BANK and CHANNEL switches, LEDs

Use the BANK switch to select the channel bank.

In Channel Select mode, the BANK LED will be lit-up green or red.

Use the CHANNEL

switches to select chan-

nels. The LED of the selected channel will be lit up. To save a new program, hold down the desired CHANNEL switch for two seconds or longer.

If you want to save a new program in a different bank, hold down the BANK switch for 0.5 seconds or longer (until the BANK LED starts blinking) and select the desired destination bank (p. 16 “Saving a program”).

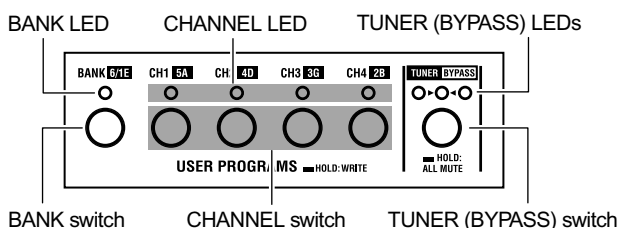
HINT: If you’re using the optional (separately sold) VC-12SV foot controller and bank 3 or 4 is selected, the BANK LED will be unlit. Use the VC-12SV’s BANK UP/DOWN switches to select bank 3 or 4.

When the tuner function is turned on, the BANK and CH 1–4 LEDs will indicate the string number (a pitch note closest to the input sound) (p. 18 “Using the tuner”).

TUNER (BYPASS) switch and LED

Pressing the TUNER (BYPASS) switch will turn all effects off (bypass), and engage the tuner function. If you want to tune your instrument with the amp output muted, press the TUNER (BYPASS) switch for one second or longer.

When the tuner function is turned on, the TUNER (BYPASS) LEDs will display the tuning status (p. 18 “Using the tuner”).



5. PEDAL section

Here you can adjust the settings for pedal effects.

For details on each effect, please refer to “Pedal effects” (p. 30).

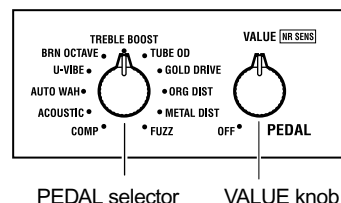
PEDAL selector

This selects the effect type. When you switch the effect type, the parameter settings of the effect will be initialized.

VALUE knob

This adjusts the parameters of each effect.

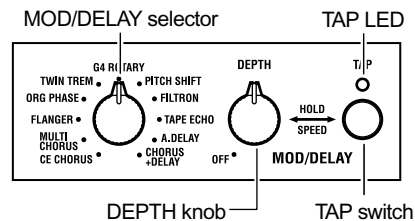
To turn the pedal effect off, rotate this knob all the way to the left.



6. MODULATION/DELAY section

Here you can adjust the settings for modulation effects, delay effects, and other effects, such as pitch shift.

For details on each effect, please refer to “Modulation and delay effects” (p. 32).



MOD/DELAY selector

This selects the modulation type, delay type, or other effect type. When you switch the effect type, the parameter settings of the effect will be initialized.

DEPTH knob

This adjusts the parameter of each effect, such as the depth of the effect.

You can also adjust the modulation speed and other parameters by holding down the TAP switch and rotating the DEPTH knob.

To turn the modulation/delay effect off, rotate this knob all the way to the left.

TAP switch, LED

This sets the speed of modulation-type effects, or the delay time of delay effects. The interval between two presses of the switch will be set as the speed or time.

The LED will blink at intervals of the specified speed or time.

HINT: To set a precise speed or time that matches the tempo of a song, press the TAP switch several times in rhythm with the song.

If you selected PITCH SHIFT, pressing the TAP switch repeatedly will change the pitch setting.

If you selected FILTRON, pressing the TAP switch repeatedly will toggle between UP and DOWN for the envelope. When UP is selected, the TAP LED will light up.

You can also adjust the speed, pitch, or other parameters by holding down the TAP switch and rotating the DEPTH knob.

For details, please refer to “Modulation and delay effects” (p. 32).

7. REVERB section

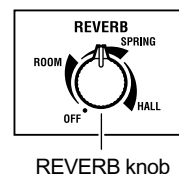
Here you can adjust the settings for reverb effects.

For details on each effect, refer to “Reverb effects” (p. 35).

REVERB knob

Depending on the position of the knob, this selects the reverb type (ROOM, SPRING, or HALL) or adjusts the mix amount of the reverb sound.

If you turn the control all the way to the left, the reverb effect will turn off.



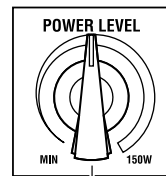
8. POWER LEVEL control

This adjusts the output wattage of the power amp.

When using only the VTX150 Neodymium itself: 0W–150W

When using an extension speaker: 0W–300W

NOTE: The power level setting is not saved in the program.



POWER LEVEL control

9. AUX IN/PHONES section

AUX IN jack

Connect the analog output of an audio device to this jack. You can connect a CD or MP3 player here, and then play along on the guitar while listening to your favorite songs.

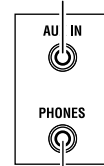
PHONES jack

Use this jack if you want to output directly to a mixer or recording device, or when you want to use headphones. The signal that is output from this jack is taken from directly before the power amp, and the cabinet response of the guitar amp will be applied to it.

NOTE: If you plug a cable into this jack, sound will not be output from the internal speaker or the extension speaker.

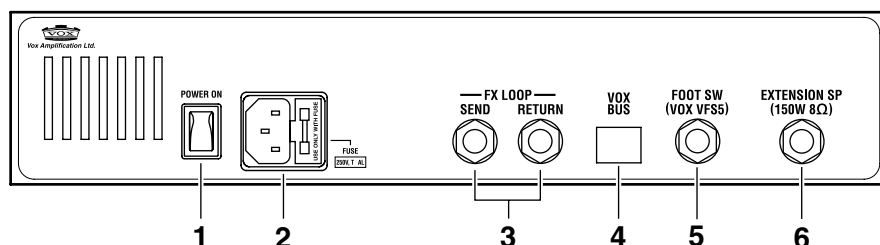
NOTE: Be sure to connect the headphones to this jack in stereo. If you connect them in monaural, the sound will not be output through the headphones.

AUX IN jack



PHONES jack

Rear panel



1. POWER switch

This switch turns the power on or off.

2. AC power connector

This is where you connect the included power cord.

3. FX LOOP (Effect loop) jacks

These are loop jacks for connecting an external effects processor.

Connect the SEND jack to the input of your external effects processor. Connect the RETURN jack to the OUTPUT of your external effects processor.

4. VOX BUS port

Connect the optional (separately sold) foot controller here.

For details on using the foot controller, please refer to "Using a foot controller (VC-12SV)" (p.20).

NOTE: Never connect anything to this port other than the VC-12SV.

5. FOOT SW (foot switch) jack

You can connect an optional VOX VFS5 foot switch here.

For more information on using the VOX VFS5, please refer to "Using the foot switch (VOX VFS5)" (p. 19).

NOTE: You must connect or disconnect the VFS5 while the power is off. Malfunctions or damage may occur if you connect or disconnect the foot switch while the power is on.

NOTE: Take care that you don't mistakenly connect the VFS5 to the EXTENSION SP jack.

6. EXTENSION SP (Extension speaker out) jack

You can connect a guitar speaker cabinet here.

If a protective cap that guards against accidental insertion is attached, remove it first.

IMPORTANT: In order to ensure correct operation, you must strictly observe the following points.

- a) Use only an 8 ohm external speaker; no other impedance may be used.
- b) Do not connect a speaker whose rated input is less than 150 watts. Doing so may damage your speaker.
- c) You must use a speaker cable to connect the speaker. Don't use a shielded cable of the type used to connect a guitar to an amp.
- d) You must turn off the power before connecting this cable. The amp may malfunction if you connect or disconnect this cable while the power is on.

About the three operating modes

Preset mode (recalling preset programs)

In Preset mode you can use the AMP switch/selector to recall programs for each amp model: “basic” programs containing typical sounds for that amp model, “effect” preset programs, and “song” preset programs that replicate tones from hit songs. Each program will automatically switch the settings for GAIN, VOLUME, TREBLE, MIDDLE, BASS, and effects. For details on the hit songs that are programmed for each amp model, please refer to the table at end of this owner’s manual.

Switching to Preset mode

If the PRESET LED is dark, you’re not in Preset mode. Press the PRESET switch; the PRESET LED will light up, and you’ll be in Preset mode.

Recalling a preset program

Each of the forty-four amp models contains three preset programs: “basic,” “effect,” and “song” (a total of one hundred and thirty-two programs).

With the PRESET LED lit, use the AMP switch/selector. The preset program specified for each amp model will be selected, regardless of the position of the top panel control knobs or EFFECTS selector. If you recall a preset program while the effects bypass is enabled, the bypass will be cancelled.

In preset mode, pressing the PRESET switch will make the PRESET LED cycle through green, orange, and red, switching among preset programs Basic, Effect, and Song.

Manual mode

When the VTX150 Neodymium is in Manual mode, it will behave like a conventional guitar amp. In other words, the sound will reflect the actual position of all the top panel selectors and control knobs (except for the VALUE and DEPTH knobs).

Switching to Manual mode

If the MANUAL LED isn’t lit, the unit is not in Manual mode. Press and hold down the PRESET switch for one second or longer; the MANUAL LED will light up, and the unit will enter Manual mode.

NOTE: In Manual mode, if you adjust a parameter setting that is not affected by a knob position (such as the effect parameter and the noise reduction settings), the adjusted setting will be saved automatically, and that same setting will be recalled the next time the unit enters Manual mode. However, if at that time the PEDAL or MOD/DELAY selector is set to a different position than previously, the default parameter settings for that effect type will be loaded.

Channel Select mode (recalling user programs)

In Channel Select mode you can use the BANK switch and CHANNEL switches to recall the programs that are saved in each channel of the bank; all of the amp and effect parameters will switch automatically.

Switching to Channel Select mode

If the BANK and CHANNEL LEDs aren't lit, you're not in Channel Select mode. Press the BANK switch or a CHANNEL switch; the BANK and CHANNEL LEDs will light up, and you'll be in Channel Select mode.

Switching channels

Press a CHANNEL switch to change channels. The program specified for that channel will be selected, regardless of the position of the top panel selectors and control knobs. If you press the BANK switch, the bank will change, and the channel of the same number that had been selected in the previous bank will be selected.

HINT: If an optional (separately sold) VOX VFX5 foot switch or VC-12SV foot controller is connected to the rear panel, you can use your foot to switch banks or channels. For details, please refer to "Using a foot switch (VOX VFS5)" (p.19) and "Using a foot controller (VC-12SV)" (p.20).

Creating and saving sounds

You can create a sound either by starting with an existing program that's close to what you have in mind and then editing it, or by creating the sound "from scratch" (i.e., from an initialized state).

Creating a sound

Here's how to create a sound from scratch.

1. Enter Manual mode.
2. Use the TUNER (BYPASS) switch to bypass the effect (the TUNER (BYPASS) LEDs will be lit up).
If you want to use an effect, you'll add it last.
3. Use the AMP switch/selector to select the amp that you want to use.

HINT: For details on the amp models, please refer to "Amp models" (p. 25).

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4. Adjust the top panel knobs such as GAIN, VOLUME, TREBLE, MIDDLE, and BASS.
 5. Turn the VALUE knob to set the noise reduction. This setting is also saved in the program. For details, please refer to “Adjusting the noise reduction” (p. 15).

HINT: Adjust the noise reduction so that there’s no unwanted noise when you’re not playing your guitar.

6. Press the TUNER (BYPASS) switch once again to defeat bypass (the TUNER (BYPASS) LEDs will be dark).

7. Set the effect.

If you plan not to use effects, set the VALUE, DEPTH, and REVERB knobs to the “OFF” position. If the knobs have already been set to “OFF,” set them to any position other than “OFF,” then set them back to “OFF.”

If you plan to use effects, select an effect, and adjust it as desired.

For example if you want to add delay, turn the MOD/DELAY selector to “A.DELAY.” If the selector is already at “A.DELAY,” turn it to some other effect type and then back to “A.DELAY.”

Use the TAP switch and DEPTH knob to set the delay time or delay level (the amount of delay sound that is added).

DELAY LEVEL: Turn the DEPTH knob (without holding down a switch).

DELAY TIME: Press the TAP switch twice (at the desired timing interval).

DELAY FEEDBACK: Turn the DEPTH knob while holding down the TAP switch.

HINT: For details on the effect types, please refer to “About the amp models and effect types” (p. 25).

Adjusting the noise reduction

Here’s how to adjust the way that noise is suppressed.

NOTE: Noise reduction is specified individually for each program. In Preset mode or Channel Select mode, the noise reduction setting will be lost if you switch to a different program or to Manual mode or turn off the power before saving.

1. Press the TUNER (BYPASS) switch to make the TUNER (BYPASS) LEDs light (Effect Bypass On).
2. Turn the VALUE knob to adjust the sensitivity of the noise reduction. Turning the knob toward the right will produce stronger noise reduction. If the knob is turned all the way to the left, noise reduction will be off and will have no effect.

NOTE: Depending on the guitar you're using, raising the noise reduction too high may cause notes to be cut off.

3. Press the TUNER (BYPASS) switch to make the TUNER (BYPASS) LEDs go dark.

Saving a program

When you've created a sound that you like, here's how to save (write) it.

HINT: If you're saving to a channel in the same bank, proceed from step 3.

1. Hold down the BANK switch for 0.5 seconds or longer. The BANK LED will blink.
2. Press the BANK switch to select the save-destination bank.

HINT: If an optional (separately sold) VC-12SV foot controller is connected, you can use the controller's BANK UP/DOWN switches to select the save-destination (banks 1–4).

HINT: If you decide to cancel the Write operation, press the TUNER (BYPASS) switch at this point. The LED will stop blinking, and you'll return to the previous mode.

3. For two seconds or longer, hold down the CHANNEL switch of the channel in which you want to save the sound. The LED will change from blinking lit. The program will be saved in that channel, and that bank and channel will be selected.

NOTE: The program that was previously in that location will be overwritten; i.e., the program that had been in the channel you selected in step 3 will be lost.

NOTE: The setting of the TUNER (BYPASS) switch is not saved in the program.

NOTE: If you're creating your sound in Preset mode or Channel Select mode, the changes that you made will be lost if you switch to another program, to Manual mode or turn off the power before saving.

Checking the original values saved in a program

The original value indication lets you check the parameter settings that are saved in a program.

When you turn a knob to change the value of a parameter, the PRESET LED (if you're in Preset mode) or the LED of the selected channel (if you're in Channel Select mode) will momentarily go dark when the edited value matches the value that's stored in the program.

HINT: When you've found a program that you like, and are interested in knowing the actual settings, you can use this original value indication to find out.

NOTE: The MASTER volume and POWER LEVEL controls are not programmable, so the original value indication is not available for these controls. The original value indication will not appear when the tuner function is turned on in Channel Select mode, nor when the unit is in Manual mode.

Restoring the factory settings

Here's how to restore all settings of the VTX150 Neodymium to their factory-set state.

NOTE: This operation will erase all programs that had been saved to channels, and will initialize the factory-set programs.

NOTE: This will also initialize the effect and noise reduction settings that you made in Manual mode.

1. Turn off the power.
2. While holding down the CH1 and CH4 switches, turn on the power. When the BANK and CHANNEL LEDs start blinking, release the two switches you had been holding down.

HINT: If you decide to cancel initialization at this point, press the TUNER (BYPASS) switch.

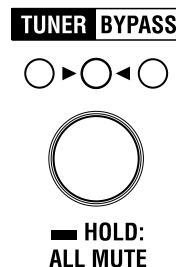
3. Press the TAP switch. The BANK and CHANNEL LEDs will change from blinking to lit, and initialization will begin. In one or two seconds, initialization will be completed, and the unit will enter Preset mode.

NOTE: Never turn off the power while initialization is in progress.


Using the tuner

The tuner function lets you tune a guitar that's connected to the INPUT jack.

HINT: If an optional (separately sold) VC-12SV foot controller is connected, you can use your foot to use the tuner function. For details, please refer to the VC-12SV owner's manual.



1. Press the TUNER (BYPASS) switch. All effects will be bypassed and the tuner function will be turned on.

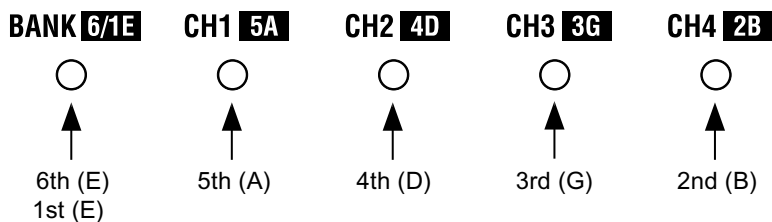
   Bypass indicator (No valid signal is input.)

HINT: If you want to tune your guitar with the amp output muted, hold down the TUNER (BYPASS) switch for one second or longer. When the amp is muted, the TUNER (BYPASS) LEDs will blink.

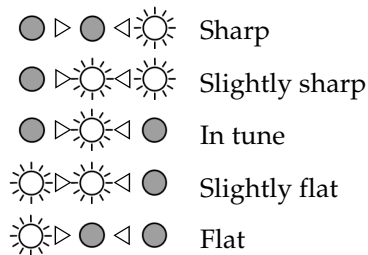
2. Play any open string.

NOTE: Be careful not to play other strings accidentally.

3. Tune the string casually so that, from among five LEDs (BANK LED and CH 1–4 LEDs) only the LED that corresponds to the string lights up.



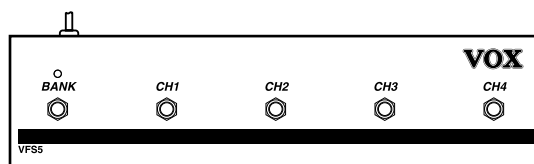
4. Tune the guitar precisely while observing the TUNER (BYPASS) LED indicators.



5. Press the TUNER (BYPASS) switch again to complete tuning.

Using a foot switch (VOX VFS5)

If you connect an optional VOX VFS5 foot switch (sold separately) to the rear panel FOOT SW jack, you'll be able to switch banks/channels and turn effect bypass on/off using your foot.



NOTE: You must connect or disconnect the foot switch while the power is off. Malfunctions or damage may occur if you connect or disconnect the foot switch while the power is on.

NOTE: Do not press two or more foot switches simultaneously. Doing so may cause malfunctions.

Foot switch operations in Channel Select mode

Switching banks/channels (BANK, CH1–4 switches)

In Channel Select mode, you can press the VFS5's switches to change the bank or channel.

NOTE: You can't change to Channel Select mode by pressing the VFS5's switches in Preset or Manual modes. Nor can you save a program by holding down the VFS5's CH1–4 switches.

NOTE: Use of the top panel will not be reflected by the VFS5's LEDs.

Tap to set the speed/time (CH1–4 switches)

You can set the speed of a modulation effect or the time of a delay effect by pressing the CHANNEL switch of the same number as the selected channel. The time will be set to the interval between two presses of this switch.

Foot switch operations in Preset or Manual modes

Tap to set the speed/time (CH3 switch)

In Preset or Manual modes, you can set the speed of a modulation effect, or the time of a delay effect by pressing the VFS5's CH3 switch. The time will be set to the interval between two presses of this switch.

Effect on/off (CH1, 2, 4 switches)

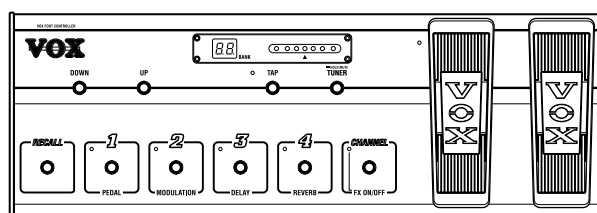
In Preset or Manual mode, you can press the VFS5's CH1, 2 or CH4 switches to turn PEDAL, MOD/DELAY, and REVERB effects on/off respectively.

NOTE: The effect on/off setting is independent for each program. In Preset mode or Channel Select mode, any changes you make will be lost if you don't save the edited program before switching to another program or to Manual mode, or before turning off the power.

Using a foot controller (VOX VC-12SV)

If an optional (separately sold) VOX VC-12SV foot controller is connected, the number of user programs is increased to 16 (4 banks x 4 channels), and you'll be able to select banks 3 and 4 which cannot be selected from the amp itself.

HINT: For details on how to save a program to bank 3 or 4, please refer to "Saving a program" (p.16).



The VC-12SV also allows you to control the following with your foot.

- Switch banks or channels (only in Channel Select mode)
- Use the volume pedal to control the volume
- Use the expression pedal to control parameters
- Use the foot switches to turn individual effects on/off
- Use a foot switch to activate the tuner
- Use a foot switch to set the delay time and modulation speed (the Tap function)

NOTE: Please do not connect VTX150 Neodymium to the VOX BUS SUB connector. Two VTX150 Neodymium units can not be controlled by the VC-12SV.

HINT: For details on connecting and operating the VC-12SV, please refer to the VC-12SV owner's manual.

HINT: The VC-12SV operation when the VTX150 Neodymium is in Preset mode is the same as when it is in Manual mode. For details on operation in Manual mode, please refer to the VC-12SV owner's manual.

Expression pedal setting

Each of the VTX150 Neodymium's programs assigns a function to the expression pedal, allowing you to use the expression pedal to control not only wah but a variety of other effect parameters.

HINT: If you select AUTO WAH, the expression pedal will automatically function as a wah pedal.

For each program, you can specify the parameter that will be controlled by the expression pedal, and save the assignment. When you save a program, the position (angle) of the expression pedal at that moment is also saved as a value in the program. When you select that program, the saved value will be recalled.

However, the following values are not saved.

- Input level to the delay effect
- Input level to the reverb effect
- PITCH parameter of PITCH SHIFT

Assigning a function to the expression pedal (Quick Assign)

The VTX150 Neodymium lets you easily assign an effect parameter or the effect input level to the expression pedal.

HINT: For details on the effect parameters that can be assigned, please refer to “About the amp models and effect types” (p.25).

NOTE: The function that’s assigned to the expression pedal and its minimum/maximum values are specified independently for each program. In Preset mode or Channel Select mode, any changes that you make will be lost if you don’t save the edited program before switching to another program or to Manual mode, or before turning off the power.

Basic procedure

1. Use the selectors to select the desired effect, and use the knob or switch whose parameter you want to assign to the expression pedal. If the parameter is assignable, the VC-12SV’s pedal LED (the LED at the upper left of the expression pedal) will blink for one or two seconds.
2. While the pedal LED is blinking, press the VC-12SV’s pedal switch. The pedal LED will blink rapidly; this completes the assignment.

Assigning amp gain

1. Use the GAIN control.
2. Press the pedal switch while the pedal LED is blinking.

Assigning the reverb effect input level

1. Use the REVERB knob.
2. Press the pedal switch while the pedal LED is blinking.

Assigning the delay effect input level

1. Use the MOD/DELAY selector to select "TAPE ECHO," "A.DELAY," or "CHORUS+DELAY," and then use the DEPTH knob.
2. Press the pedal switch while the pedal LED is blinking.

Assigning the PITCH parameter of PITCH SHIFT

1. Use the MOD/DELAY selector to select "PITCH," and then press the TAP switch (alternatively, hold down the TAP switch and use the DEPTH knob).
2. Press the pedal switch while the pedal LED is blinking.

If you don't want any function to be assigned to the expression pedal

1. Press the TUNER (BYPASS) switch to select Bypass.
The VC-12SV's pedal LED (the LED at the upper left of the expression pedal) will blink for one or two seconds.
2. While the pedal LED is blinking, press the VC-12SV's pedal switch. The pedal LED will blink rapidly; the assignment of the expression pedal has been cleared.

HINT: The assignment will also be cleared if you change the effect type that's assigned to the expression pedal.

However in the following cases, the assignment will not change; the setting will be maintained.

- If the amp model's GAIN parameter is assigned
- If the reverb effect's input level is assigned
- If a parameter of a delay effect is assigned, and you switch between the three types of delay effect

Minimum and maximum values for the expression pedal

The minimum value is when the expression pedal is fully returned toward yourself, and the maximum value is when the pedal is fully advanced away from yourself.

When you assign a parameter to the expression pedal, the most appropriate operating range for that effect, based on that parameter's minimum value and maximum value, will be assigned automatically as the minimum and maximum values for the expression pedal.

If you've assigned the PITCH parameter of the PITCH SHIFT effect, the minimum value will be "0" (no pitch shift) and the maximum value will be the current value.

NOTE: If you've assigned the input level of the delay or reverb effect to the expression pedal, you won't be able to change the minimum and maximum values.

To change the minimum and maximum values, proceed as follows.

1. Use the knob or switch of the parameter that's already assigned.
The VC-12SV's pedal LED (the LED at the upper left of the expression pedal) will blink for one or two seconds.

HINT: When you use the knob or switch of the already-assigned parameter, the pedal LED will blink in a different way than for other parameters.

2. Press the pedal switch twice in succession.
The pedal LED blinking will slow; now you can specify the minimum and maximum values.

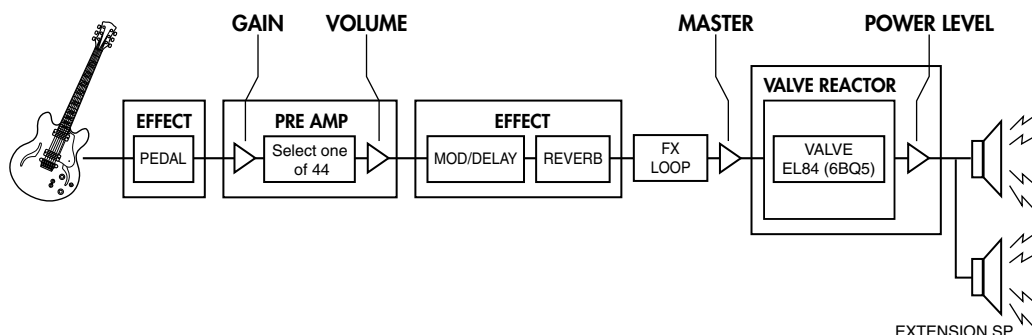
HINT: In the case of parameters whose minimum and maximum values can be adjusted, rapid blinking will continue for one or two seconds after you press the pedal switch the first time. Press the pedal switch once again while the rapid blinking continues.

3. To adjust the minimum value, return the expression pedal all the way toward yourself, and then use the knob or switch of the assigned parameter.
4. To adjust the maximum value, advance the expression pedal all the way away from yourself, and then use the knob or switch of the assigned parameter.
5. Press the pedal switch.
The LED will stop blinking, and will return to its previous state.

Signal path

Your guitar sound passes through the following sections.

Refer to “Top and rear panels” (p. 7) in conjunction with this illustration.



What is Valvetronix Pro?

The VOX Valve Reactor circuit is featured in the VOX VT series amplifiers and ToneLab series effects. Although most of the sound processing in these products occurs in the digital domain, the Valve Reactor power amp is 100% analog. Passing the guitar signal through the power amp stage as an analog signal is very important for the feel and tone of the original amp that's being modeled. The Valve Reactor circuits of previous models used a 12AX7 vacuum tube (typically used in the preamp) as their power tube, making it a miniature version of a tube power amp. In contrast, the circuit newly developed for the VTX150 Neodymium uses the EL84 (6BQ5) tube that's actually used as the power tube in amps such as the VOX AC30, meaning that it will function like a true tube amp. We've named this new technology “Valvetronix Pro.”

The vacuum tube is connected to a power amp circuit that features a special design in its final output stage. This allows pure tube amp sound to be generated, while still allowing the user to continuously adjust the power stage's output volume across the full range from minimum to maximum output. The wide dynamic range characteristic of classic tube amps is also maintained. This dynamic range is difficult to obtain from solid state amps, and is one of the reasons that a tube amp sounds more powerful than a solid state amp of equivalent output wattage. The output of the Valve Reactor power amp “reads” the constantly changing impedance curve of the connected speaker system, and feeds this information back to the vacuum tube. In response to this information, the functionality of the amp's tube stage will vary according to the speaker load (impedance). This too is an important element in the sound of a true tube amp. By adjusting these characteristics, every sound of that amp model can be faithfully reproduced. This power amp technology, for which a U.S. patent has been obtained, is unique to the VOX Valvetronix amps.

We trust you will enjoy the Valvetronix Pro sound as newly implemented in the VTX150 Neodymium.

About the amp models and effect types

This section provides details about the amp models and effect types, such as pedal effect, modulation and delay effects and reverb effect.

HINT: Each amp model's GAIN (set by the top panel GAIN control) can be assigned to the optional (separately sold) VC-12SV's expression pedal for control. For details on how to assign the parameter, please refer to "Assigning a function to the expression pedal (Quick Assign)" (p.21).

Amp models

1. CLEAN

STD (Standard)

This models the clean channel of a high-quality amp that was produced only on special order, and was known as the overdrive special. With a beautifully rounded low range, a sharp midrange attack, and a sweet treble register, this is ideal for single coil pickups.

SPL (Special)

This models the clean channel of a Japanese-made amp with 2 x 12" speakers that went on sale in 1975. It is known for its clean full-range sound and its built-in stereo chorus, and is used on stages and in studios around the world.

CST (Custom)

This models is only a three-band tone control amplifier that produces a pure, clean tone. Setting TREBLE, MIDDLE, and BASS to the center will produce flat response of the pre amp.

EXT (Extra)

This models a small American combo amp that has been a popular choice among professional jazz players for 40 years. Its distinguishable treble control creates a variety of jazzy tones that range from warm and mellow to fat and bright.

2. CALI CLEAN

STD (Standard)

The 6G5-A "Pro" amp was produced during the years 1960–1963, and was distinctive for its yellowish brown vinyl cover and round brown knobs. This 40W combo amp is known for its warm and clean tone.

SPL (Special)

This American-made tweed-covered 2x12" combo amp made in 1957 is known for its rich and clean tone that's ideal for classic rock, blues, and country. By raising the volume you can also produce a powerful and punchy overdrive sound.

CST (Custom)

This models an American-made black-paneled amp that has been modified.

With this modification, an already-superb amp gains even greater smoothness and additional warmth.

EXT (Extra)

This dual channel 22W blackface 60's design used 6V6 power tubes and a tube driven reverb to produce a big sound at a lower wattage. Our modeling is based on the Vibrato channel.

3. US BLUES

STD (Standard)

This models a 4x10" combo amp from 1959 that was originally designed for bass guitar. Its smooth and crisp overdrive sound will respond sensitively to your picking dynamics and to the volume of your guitar.

SPL (Special)

This models the 22W Bruno Cowtipper Pro II 22 which owes its existence to a special friend of VOX, the custom amp designer Tony Bruno. It responds with extreme sensitivity to your playing touch, and its silky-sweet clean tone becomes a crunch sound rich in overtones when you turn up the volume.

CST (Custom)

This models a wood-finished 30W boutique amp head that costs more than \$25,000. It delivers sparkling glassy clean tones. It also produces overdrive sounds that are startlingly sweet in a musical way when the gain is raised.

EXT (Extra)

This models a vintage California design known as the first amp equipped with 4 cascading gain stages. The result of which was a wall of gain that could sustain notes using enormous amounts of overdrive.

4. US 2x12

STD (Standard)

This models a black-faced 2x12" combo amp that has become an indispensable item for country and blues players. Its tight and clean sound provides deep piano-like bass tones, and will deliver the classic Chicago blues tone particularly when used with single coil pickups.

SPL (Special)

This models a beautiful 30W boutique amp head renowned for its peerless quality and true point-to-point wiring. Based on a concept similar to that of the VOX AC30, this amp is known for its rich overtones, sparkling clean tone, and great-sounding overdrive.

CST (Custom)

Based on a crunch-distortion amp, this original amp model changes the tone control to an active circuit that is more powerful than the conventional one, allowing a wide range of tones to be created.

Raise the TREBLE for sparkling chords or lower it for a tasteful blues setting, or turn up the MIDDLE for a rock backing sound.

EXT (Extra)

This California designed two channel amplifier utilized five modes and four 5AR4 tubes in a high-voltage design with switchable solid state and tube rectification that gave the amp increased headroom and variable dynamics. When this amp was discontinued it broke many hearts.

5. VOX AC15

STD (Standard)

This models the AC15TB, which combines the beautifully sweet tonal character of the AC15's low output power amp with the sound-creating flexibility of the AC30's top boost channel.

SPL (Special)

This models channel 2 of the VOX AC15 (1x12", 15W), which was manufactured in 1962 and was a big hit for its compact cabinet, power, and great tone – along with then-popular British bands.

CST (Custom)

Designed to emulate the tones of the thick channel on the VOX Night Train Amplifier this tone is a modern take on the classic VOX pairing of 12AX7 preamp tubes and EL84 power tubes. Think Classic British Crunch.

EXT (Extra)

The VOX AC4 was originally released as the AC2 practice amp in 1958. After giving the amp a larger speaker and a few design tweaks it was re-launched as the AC4 in 1962. Electronically, the AC4 used four tubes: one 12AX7 and one EF86 preamp tube, one EL84 power tube and one EZ80 rectifier.

6. VOX AC30

STD (Standard)

This models an AC30 amp with a "top boost" circuit that was included as standard beginning in 1964. It delivers a smooth and refined top end, a majestically deep overdrive, and a rich, brilliant clean sound.

SPL (Special)

Designed after our VOX Hand-wired Heritage AC30H2 this model provides the sparkle that is synonymous with the pairing of a classic VOX amplifier and the famed Celestion Alnico Blue.

CST (Custom)

This models the AC30BM Brian May signature model which faithfully reproduces every nuance of the legendary original AC30 from the 1950's. This setting provides the screaming sound of the amp being overdriven with the treble booster turned on.

EXT (Extra)

This original design utilizes an expanded set of tonal controls but is heavily inspired by an early AC30 with warm lows, dampened attack, brilliant bell like top-end and musical compression often attributed to the Celestion blue alnico speaker.

7. UK ROCK

STD (Standard)

This 45W amp head was originally manufactured from 1962 to 1966, and was based on a tweed-covered bass amp. Its high-gain design was the beginning of the British amp tone revolution that continues to this day.

SPL (Special)

This models a UK-manufactured 100W single-channel head with master volume made in 1983. Turn the GAIN control all the way up to get the thick, snarling hard rock and heavy metal sound that dominated the 80's.

CST (Custom)

This models the high treble channel of a hand-wired amp head made in England during the early 60's. Raising the volume of this 50W output amp all the way produces the crunch that will forever be the sound of rock'n'roll.

EXT (Extra)

This model is based on a British boutique amp design known for its high power and expressive overdriven tone that is suitable for soulful and bluesy hard rock with the hot switch kicked in.

8. UK METAL

STD (Standard)

This models the high-gain channel of a modern 100W amp. While individual notes are clearly defined, it delivers a monster sound that's quite aggressive and arrogant.

SPL (Special)

This models an English-made 100W amp head released in 2007 and boasting a four-channel design with powerful tone. We've used the "Overdrive 1" channel, which produces a tight low-end and transparent high-gain metal sound.

CST (Custom)

Based on a UK-made 100W head, this amp was created for a famous guitarist known for his amazing tone, slash rhythms, and fondness for silk hats. If you have a desire for the ultimate metal tones, this amp is the perfect choice.

EXT (Extra)

This models a British stack that created the trademark tones of CRAZY TRAIN. Ideal for humbucking pickups this amp was modified so that both halves of the first 12AX7 preamp tube cascade in the preamp circuit of channel II.

9. US HIGH GAIN

STD (Standard)

This models a 100W boutique amp head manufactured in North Hollywood. This amp can be switched between power tube class AB or class A modes; the class AB mode used on the VTX150 Neodymium produces rich overtones and features a highly musical response.

SPL (Special)

This models the overdrive channel of a snakeskin-covered 100W amp head built in 1991. With an open low-end and a compressed mid/high range, its powerful, heavy sound delivers a forceful tone that will not break down even with the most extreme gain settings.

CST (Custom)

Designed to model the sound behind “POWER METAL”, this amp will crank.

EXT (Extra)

This sparkling blue hand built German 6L6 based design was actually 3 amps in one. Its design was both versatile and original at any setting. We have modeled channel 2 which delivers a very modern gain structure.

10. US METAL

STD (Standard)

This models the modern high-gain channel from a wild beast of an amp. Its deep and loose low-end, sparkling highs, and monstrous gain are ideal for guitars tuned as low as possible, or for metal acts wielding seven-string guitars.

SPL (Special)

This models a California-made amp head with a three-channel design and versatile gain switches that produce a wide variety of sounds. We’ve modeled the lead channel, which produces the ultimate high-gain tone.

CST (Custom)

This two-channel 120W head manufactured in Mississippi was designed for a legendary guitar hero known for his “brown sound.” This amp models features a high-gain sound that’s ideal for the tapping performance technique.

EXT (Extra)

This pursues a fat driving high-gain sound created to unleash a pure aggressive metal style. Ideal for performances with down tuned strings.

11. BOUTIQUE METAL

STD (Standard)

This models the overdrive channel of a 100W high-quality amp that was produced only on special order, and was known as the overdrive special. The wonderful sustain obtained by raising the GAIN control is smooth and soulful.

SPL (Special)

This models the crushing high-gain sound that emanated from a German-made 100W four-channel amp head. We chose the “Heavy” channel, which delivers a startling tightness when played with a dropped-D metal tuning.

CST (Custom)

This is an original amp model based on a recent high-gain amp, marked by a rich and hot mid-range tone and extremely powerful sustain. Since active-circuit tone controls are used on this model as well, a wide range of tonal variety can be obtained.

EXT (Extra)

This 300W solid state amp covers from punchy metal to vintage rock sound with a 9 band EQ.

We set this model up on channel 2 to best match a metal act wielding seven-string guitars.

Pedal effects

The VTX150 Neodymium provides eleven of the most popular types of pedal effect. You can use the VALUE knob to adjust the major parameters.

NOTE: In order to edit the pedal effect parameter settings, effect bypass must be off (the BYPASS LED must be dark). If bypass is on (BYPASS LED lit), turning the VALUE knob will adjust the noise reduction sensitivity instead of an effect parameter.

NOTE: To turn the pedal effect off, rotate the VALUE knob all the way to the left.

HINT: Parameters that can be assigned to the optional (separately sold) VC-12SV's expression pedal are marked with an asterisk "*". For details on how to assign a parameter to the expression pedal, please refer to "Assigning a function to the expression pedal (Quick Assign)" (p.21).

1. COMP

This models a compressor pedal that is popular for its percussive clean sound. It's perfect for the pop or funk music of the 80's and 90's. It can also produce a singing, mellow sustain.

| Knob | Parameter | |
|-------|-----------|--|
| VALUE | SENS* | Adjusts the sensitivity. Turn the knob toward the right to increase the compression and sustain. |

2. ACOUSTIC

This is ideal when you want to play acoustic sounds. It's a simulator that transforms the sound of an electric guitar into the sound of an acoustic guitar. We recommend that you use this with a single-coil (i.e., low output) neck (front) pickup.

| Knob | Parameter | |
|-------|-----------|-------------------|
| VALUE | TONE* | Adjusts the tone. |

3. AUTO WAH

This models an auto-wah; a device that creates an automatic "wah" effect that varies with your picking dynamics (i.e., how hard or soft you hit the strings) - a quirky, but useful effect.

If you use the pedal selector to select AUTO WAH, the optional (separately sold) VOX VC-12SV's expression pedal will automatically function as a wah pedal.

| Knob | Parameter | |
|-------|-----------|--|
| VALUE | SENS/POL* | Adjusts the sensitivity of response to the guitar's volume. If this parameter is assigned to the expression pedal, wah can be controlled by the expression pedal, and the sensitivity and the direction of operation will not be affected by input from the guitar. (Using the knob will adjust the degree of openness for the wah.) |

4. U-VIBE

This models a famous phase/vibrato pedal. This effect simulates a rotary speaker, producing a seductive and emotional tone.

| Knob | Parameter | |
|-------|-----------|----------------------------|
| VALUE | SPEED* | Adjusts the vibrato speed. |

5. BRN OCTAVE

This models a pedal that adds gravity to a sound by generating a sound one octave below, and mixing this with the original (dry) sound.

| Knob | Parameter | |
|-------|-----------|---|
| VALUE | LEVEL* | Adjusts the mix amount of the octave-lower sound. |

6. TREBLE BOOST

This models the treble booster built into the VOX VBM-1, which was designed for use with the VOX AC30.

It adds “crunch” to overdrive sound.

| Knob | Parameter | |
|-------|-----------|-------------------|
| VALUE | GAIN* | Adjusts the gain. |

7. TUBE OD

This models a well-known overdrive pedal in a green box; the inexpressible warmth of its sound has made it a classic effect.

| Knob | Parameter | |
|-------|-----------|-------------------|
| VALUE | GAIN* | Adjusts the gain. |

8. GOLD DRIVE

This models an overdrive unit named after a half-human half-horse creature from Greek mythology. When the gain is lowered, this acts as a booster that preserves the original sound of the guitar. Raising the gain makes this function as an overdrive with a rich mid-range.

| Knob | Parameter | |
|-------|-----------|-------------------|
| VALUE | GAIN* | Adjusts the gain. |

9. ORG DIST

This is a classic Japanese-made distortion unit in an orange box.

| Knob | Parameter | |
|-------|-----------|-------------------|
| VALUE | GAIN* | Adjusts the gain. |

10. METAL DIST

This is a distortion unit that's ideal for metal.

| Knob | Parameter | |
|-------|-----------|-------------------|
| VALUE | GAIN* | Adjusts the gain. |

11. FUZZ

Retro, brazen and rough-edged.

| Knob | Parameter | |
|-------|-----------|-------------------|
| VALUE | GAIN* | Adjusts the gain. |

Modulation and delay effects

The VTX150 Neodymium provides eleven types of modulation effects, delays and other effects.

The SPEED parameter of modulation effects and the TIME parameter of delay effects can be easily adjusted by pressing the TAP switch twice.

HINT: To set a precise speed or time that matches the tempo of a song, press the TAP switch several times in rhythm with the song.

You can use the DEPTH knob to adjust most of the parameters. In addition, you can hold down the TAP switch and turn the DEPTH knob to make more detailed settings.

NOTE: To turn the modulation/delay effect off, rotate the DEPTH knob all the way to the left.

HINT: Parameters that can be assigned to the optional (separately sold) VC-12SV's expression pedal are marked with an asterisk "*". For details on how to assign a parameter to the expression pedal, please refer to "Assigning a function to the expression pedal (Quick Assign)" (p.21).

1. CE CHORUS

This models a standard rich-sounding analog chorus unit.

| Knob/Switch | Parameter | |
|-------------|-----------|---|
| DEPTH | DEPTH* | Adjusts the modulation depth. |
| TAP | SPEED* | Adjusts the modulation speed in a range of 0.1...15 Hz. |
| TAP+DEPTH | SPEED* | Adjusts the speed. |

2. MULTI CHORUS

This is a deep and spacious chorus with three chorus taps.

| Knob/Switch | Parameter | |
|-------------|-----------|---|
| DEPTH | DEPTH* | Adjusts the modulation depth. |
| TAP | SPEED* | Adjusts the modulation speed in a range of 0.1...15 Hz. |
| TAP+DEPTH | SPEED* | Adjusts the speed. |

3. FLANGER

This models a truly classic analog flanger that's associated with a great guitarist of today who is honored by many as "the godfather of two-handed tapping."

| Knob/Switch | Parameter | |
|-------------|------------|---|
| DEPTH | RESONANCE* | Adjusts the amount of resonance. |
| TAP | SPEED* | Adjusts the modulation speed in a range of 0.1...15 Hz. |
| TAP+DEPTH | SPEED* | Adjusts the speed. |

4. ORG PHASE

This models a popular analog phaser in a banana-colored box.

| Knob/Switch | Parameter | |
|-------------|------------|---|
| DEPTH | RESONANCE* | Adjusts the amount of resonance. |
| TAP | SPEED* | Adjusts the modulation speed in a range of 0.1...15 Hz. |
| TAP+DEPTH | SPEED* | Adjusts the speed. |

5. TWIN TREM

This models the acclaimed tremolo circuit built into a US-made combo amp.

| Knob/Switch | Parameter | |
|-------------|-----------|---|
| DEPTH | DEPTH* | Adjusts the tremolo depth. |
| TAP | SPEED* | Adjusts the modulation speed in a range of 1.0...15 Hz. |
| TAP+DEPTH | SPEED* | Adjusts the speed. |

6. G4 ROTARY

This models a rotary speaker.

| Knob/Switch | Parameter | |
|-------------|-----------|---|
| DEPTH | DEPTH* | Adjusts the modulation depth. |
| TAP | SPEED* | Adjusts the modulation speed in a range of 0.8...15 Hz. |
| TAP+DEPTH | SPEED* | Adjusts the speed. |

7. PITCH SHIFT

This is a pitch shifter that allows you to play chords, and has a variable range of one octave upward or downward.

| Knob/Switch | Parameter | |
|-------------|-----------|---|
| DEPTH | BALANCE* | Adjusts the balance between direct sound and effect sound. |
| TAP | PITCH* | Specifies the amount by which the pitch of the effect sound will be shifted; an octave, a 4th, or a 5th. Each time you press the switch, the setting will cycle between -12, -7, -5, DT (Detune), +5, +7, +12, -12. |
| TAP+DEPTH | PITCH* | Specifies the amount by which the pitch of the effect sound will be shifted in semitone units (100 cents). The setting will change as follows: -12, -11, ... -1, 0, DT (Detune), +1, ... +12 |

8. FILTRON

This is an envelope-controlled filter (wah) that opens or closes a filter based on input from a guitar.

| Knob/Switch | Parameter | |
|-------------|------------|--|
| DEPTH | SENS* | Adjusts the sensitivity to the guitar's volume. If this parameter is assigned to the expression pedal, the cutoff frequency can be controlled by the expression pedal, and the openness of the filter will not be affected by input from the guitar. (Using the knob will adjust the cutoff frequency.) |
| TAP | TYPE | Specifies the direction of movement (up or down). If Up is selected, the TAP switch LED will light up. |
| TAP+DEPTH | RESONANCE* | Adjusts the amount of resonance. |

9. TAPE ECHO

This models an acclaimed analog tape echo. Originally, echo was created by a tape head, and the delay time was specified by changing the speed of the motor.

| Knob/Switch | Parameter | |
|-------------|-----------|---|
| DEPTH | LEVEL* | Adjusts the mix amount of the delay sound. If this parameter is assigned to the expression pedal, the input level to the delay will be controlled by the expression pedal. |
| TAP | TIME | Specifies the delay time in a range of 40...1048 ms. |
| TAP+DEPTH | FEEDBACK* | Adjusts the amount of feedback. |

10. A.DELAY

This models an analog delay that uses a Bucket Brigade Device (BBD). Its audio quality is lo-fi, but it is popular for its warm sound.

| Knob/Switch | Parameter | |
|-------------|-----------|---|
| DEPTH | LEVEL * | Adjusts the mix amount of the delay sound. If this parameter is assigned to the expression pedal, the input level to the delay will be controlled by the expression pedal. |
| TAP | TIME | Specifies the delay time in a range of 40...1048 ms. |
| TAP+DEPTH | FEEDBACK* | Adjusts the amount of feedback. |

11. CHORUS+DELAY

This effect combines a chorus and a delay. The chorus depth is fixed; only the delay parameters can be adjusted.

| Knob/Switch | Parameter | |
|-------------|-----------|---|
| DEPTH | LEVEL * | Adjusts the mix amount of the delay sound. If this parameter is assigned to the expression pedal, the input level to the delay will be controlled by the expression pedal. |
| TAP | TIME | Specifies the delay time in a range of 40...1048 ms. |
| TAP+DEPTH | FEEDBACK* | Adjusts the amount of feedback. |

Reverb effects

Three types of reverb are provided.

Depending on the position of the REVERB knob, this selects the reverb type (ROOM, SPRING, or HALL) or adjusts the mix amount of the reverb sound.

NOTE: To turn the reverb effect off, rotate the REVERB knob all the way to the left.

HINT: If reverb is assigned to the optional (separately sold) VC-12SV's expression pedal, you can use the expression pedal to control the input level to the reverb. For more details on how to assign a parameter to the expression pedal, please refer to "Assigning a function to the expression pedal (Quick Assign)" (p.21).

1. ROOM

This reverb type simulates a typical room that contains numerous early reflections.

2. SPRING

This simulates the spring reverb that's built into many guitar amps.

3. HALL

This models the reverberation of a concert hall containing numerous echo components.

Troubleshooting

1. Power does not turn on when you turn the **POWER** switch on

- Is the power cable connected to the rear panel AC power inlet?
- Is the power cable connected to an AC outlet?
- Could the AC outlet be malfunctioning?
- Could the power cable be damaged?

2. No sound from the amp

- Could your guitar's volume be turned down?
- Is your guitar cable connected correctly?
- Could your guitar cable be broken?
- Could the top panel MASTER volume be turned down?
- Could headphones be connected to the top panel PHONES jack? If so, disconnect them.
- Check the settings of the GAIN, VOLUME, TREBLE, MIDDLE, and BASS controls. For some amp models, there may be no sound from the amp if the TREBLE, MIDDLE, and BASS controls are turned down, just as for the circuitry of the original amp.
- If the VTX150 Neodymium is in Manual mode (MANUAL LED lit), could the GAIN, VOLUME, TREBLE, MIDDLE, and BASS controls be set to 0 or the minimum value?
- Could the VOLUME pedal of a VC-12SV connected to the VTX150 Neodymium be set to the minimum position? Alternatively, could the expression target be set to the GAIN parameter of the amp or pedal effect, with the expression pedal set to the minimum position?

3. Insufficient volume from the amp

- Could your guitar's volume be turned down?
- Could the MASTER volume be turned down?
- Could the POWER LEVEL be turned down?
- Could a high impedance speaker (e.g., 16 ohms) be connected to the EXTENSION SP jack?
- Check the settings of the GAIN, VOLUME, TREBLE, MIDDLE, and BASS controls. For some amp models, there may be no sound from the amp if the TREBLE, MIDDLE, and BASS controls are turned down, just as for the circuitry of the original amp.
- If the VTX150 Neodymium is in Manual mode (MANUAL LED lit), could the GAIN, VOLUME, TREBLE, MIDDLE, and BASS controls be set to 0 or the minimum value?

4. No sound from the PHONES jack

- Could the top panel MASTER volume be turned down?
- Check whether sound is output from the amp.

To do this you must disconnect the PHONES jack, since sound will not be output from the internal speaker if headphones or a cable are connected to the PHONES jack.

If no sound is produced from the amp, check the items listed in “No sound from the amp,” above.

If there is sound from the amp, check whether your headphones or cable might be broken or malfunctioning.

5. Effects are not applied

- Could the TUNER (BYPASS) LEDs be lit?
If it is lit, the effect is bypassed. Press the TUNER (BYPASS) switch to defeat bypass. The TUNER (BYPASS) LEDs will go dark.

- Could the VALUE, DEPTH, or REVERB knob be set to OFF or the minimum value?

Adjust the knobs.

- Could the effect have been turned off by using a VOX VFS5 foot switch or VOX VC-12SV foot controller?

Turn on the effect by operating the VFS5 or VC-12SV, or by using the top panel VALUE, DEPTH, or REVERB knob.

- With the expression target assigned as a parameter that determines the effect depth, could the expression pedal of a foot controller connected to the VTX150 Neodymium be set to the minimum position?

6. No sound is heard from a device connected to the AUX IN jack

- Is the device connected correctly?
- Could the volume of the device be set to minimum?

7. A bell-like noise is produced when you touch the VTX150 Neodymium

- This is noise distinctive of vacuum tubes, called microphonic noise. It is not a malfunction.

Specifications

| | |
|-----------------------------------|---|
| Number of amp models: | 44 |
| Number of effects | |
| Pedal effect types: | 11 |
| Modulation/delay types: | 11 |
| Reverb types: | 3 |
| Noise reduction: | 1 |
| Number of programs | |
| Preset: | 132 |
| User: | 8 (two banks x four channels) when using the VC-12SV foot controller : 16 (four banks x four channels) |
| Input/output jacks | |
| Top panel: | INPUT jack, PHONES jack, AUX IN jack |
| Rear panel: | FOOT SW jack, VOX BUS jack, EXTENSION SP jack, FX LOOP SEND/RETURN jack |
| Power amp output: | maximum 150W RMS @8 ohms (VTX150 Neodymium unit alone) maximum 300W RMS @4 ohms (when used with extension speaker) |
| Speaker: | VOX NeoDog (Celestion neodymium speaker 12-inch 8 ohms) x 1 |
| Signal processing | |
| A/D conversion: | 24-bit |
| D/A conversion: | 24-bit |
| Power supply requirements: | AC, local voltage |
| Power consumption: | 83 W |
| Dimensions (W x D x H): | 451 x 261 x 438 mm / 17.76 x 10.28 x 17.24 inches |
| Weight: | 12.1 kg / 26.68 lbs. |
| Included items: | Power cable |
| Options (sold separately): | VOX VFS5 foot switch, VOX VC-12SV foot controller |

* Specifications and appearance are subject to change without notice for improvement.

Song preset program

| Amp Model Name (GREEN) | | | Song Title |
|------------------------|----------------|----------------|-----------------|
| 01 | CLEAN | STD (Standard) | Gravity |
| 02 | CALI CLEAN | STD (Standard) | Brown Sugar |
| 03 | US BLUES | STD (Standard) | Cocaine |
| 04 | US 2x12 | STD (Standard) | Creep |
| 05 | VOX AC15 | STD (Standard) | I Feel Fine |
| 06 | VOX AC30 | STD (Standard) | Pride |
| 07 | UK ROCK | STD (Standard) | Foxy Lady |
| 08 | UK METAL | STD (Standard) | Enter Sandman |
| 09 | US HIGH GAIN | STD (Standard) | Song 2 |
| 10 | US METAL | STD (Standard) | Know Your Enemy |
| 11 | BOUTIQUE METAL | STD (Standard) | Blue Wind |

| Amp Model Name (ORANGE) | | | Song Title |
|-------------------------|----------------|---------------|-------------------------|
| 01 | CLEAN | SPL (Special) | Message In A Bottle |
| 02 | CALI CLEAN | SPL (Special) | Under The Bridge |
| 03 | US BLUES | SPL (Special) | Sultans Of Swings |
| 04 | US 2x12 | SPL (Special) | Rebel Rebel |
| 05 | VOX AC15 | SPL (Special) | You Enjoy Myself |
| 06 | VOX AC30 | SPL (Special) | Smoke On The Water |
| 07 | UK ROCK | SPL (Special) | Beat It |
| 08 | UK METAL | SPL (Special) | For the Love of God |
| 09 | US HIGH GAIN | SPL (Special) | Best Of You |
| 10 | US METAL | SPL (Special) | Satch Boogie |
| 11 | BOUTIQUE METAL | SPL (Special) | Smells Like Teen Spirit |

| Amp Model Name (RED) | | | Song Title |
|----------------------|----------------|--------------|----------------------|
| 01 | CLEAN | CST (Custom) | Wonderwall |
| 02 | CALI CLEAN | CST (Custom) | Pride and Joy |
| 03 | US BLUES | CST (Custom) | Walk This Way |
| 04 | US 2x12 | CST (Custom) | Back In Black |
| 05 | VOX AC15 | CST (Custom) | Paranoid |
| 06 | VOX AC30 | CST (Custom) | Tie Your Mother Down |
| 07 | UK ROCK | CST (Custom) | Black Dog |
| 08 | UK METAL | CST (Custom) | Sweet Child O' Mine |
| 09 | US HIGH GAIN | CST (Custom) | Five Minutes Alone |
| 10 | US METAL | CST (Custom) | Hot For Teacher |
| 11 | BOUTIQUE METAL | CST (Custom) | Raining Blood |

| Amp Model Name (Blue) | | | Song Title |
|-----------------------|----------------|-------------|---|
| 01 | CLEAN | EXT (Extra) | Mr. Sandman |
| 02 | CALI CLEAN | EXT (Extra) | I Bet That You Look Good On The Dance Floor |
| 03 | US BLUES | EXT (Extra) | Black Magic Woman |
| 04 | US 2x12 | EXT (Extra) | 21st Century Schizoid Man |
| 05 | VOX AC15 | EXT (Extra) | A-Punk |
| 06 | VOX AC30 | EXT (Extra) | Won't Get Fooled Again |
| 07 | UK ROCK | EXT (Extra) | My Messiah |
| 08 | UK METAL | EXT (Extra) | Crazy Train |
| 09 | US HIGH GAIN | EXT (Extra) | YYZ |
| 10 | US METAL | EXT (Extra) | St. Anger |
| 11 | BOUTIQUE METAL | EXT (Extra) | Psychosocial |

* The equipment used in the song by the actual guitarist may differ.

Program sheet

When you come up with a sound you like, you can use this sheet to make a note of your settings. We suggest that you make photocopies of this program sheet, and make your notes on the photocopies. Remember to note the NR and SPEED settings.

PROGRAM NAME :

44 AMPS **VOX AC15** **UK ROCK** **UK METAL** **US 2x12** **US BLUES** **CALI CLEAN** **CLEAN** **BTQ METAL** **GAIN** **VOLUME** **TREBLE** **MIDDLE** **BASS** **MASTER** **POWER LEVEL**

132 PRESETS **GRN: BASIC** **ORG: EFFECT** **RED: SONG** **HOLD: MANUAL**

INPUT **BANK** **CH1** **CH2** **CH3** **CH4** **USER PROGRAMS** **HOLD: WRITE**

TREBLE BOOST **VALUE** **G4 ROTARY** **ORG PHASE** **FLANGER** **MULTICHORUS** **CE CHORUS** **PITCH SHIFT** **FILTER** **TAPE ECHO** **A DELAY** **CHORUS DELAY** **DEPTH** **HOLD SPEED** **MOD/DELAY**

REVERB **ROOM** **SPRING** **HALL**

VOX VTX150 **Neodymium**

PROGRAM NAME :

132 PRESETS
GRN: BASIC
GRN: EFFECT
RED: SONG

44 AMPS
VOX AC15
US 2x12
US BLUES
CALI CLEAN
HOLD: MANUAL

VOX AC30
UK ROCK
UK METAL
US HIGAIN
US METAL
BIQ METAL

GAIN

VOLUME

TREBLE

MIDDLE

BASS

MASTER

POWER LEVEL
0 150W

INPUT

BANK C12 CH1 C11 CH2 C10 CH3 C9 CH4 C8 C7 C6 C5 C4 C3 C2 C1

USER PROGRAMS
HOLD: WHITE
HOLD: ALL NOTE

TUNER (BYPASS)
HOLD: ALL NOTE

TREBLE BOOST
BRN OCTAVE
U-VIBE
AUTO WAH
ACOUSTIC
COMP
FUZZ
PEDAL

VALUE (HR SENS)

G4 ROTARY
TWIN TREM
ORG PHASE
FLANGER
MULTI CHORUS
CE CHORUS

PITCH SHIFT
FILTREN
TAPE ECHO
A.DELAY
CHORUS
J.DELAY

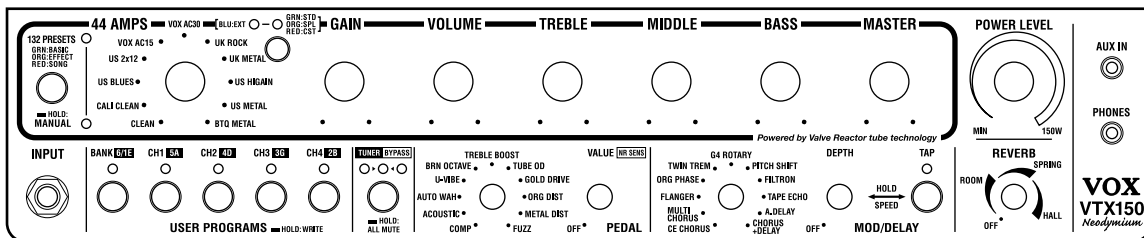
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HOLD SPEED
MOD/DELAY

REVERB
ROOM
SPRING
HALL
OFF

VOX
VTX150
Neodymium

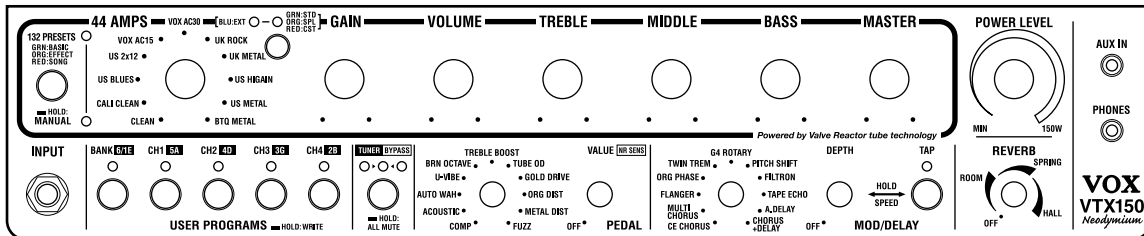
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PROGRAM NAME :



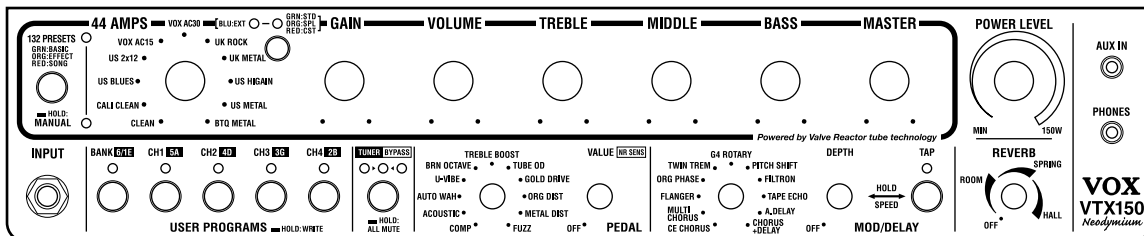
NOTE:

PROGRAM NAME :



NOTE:

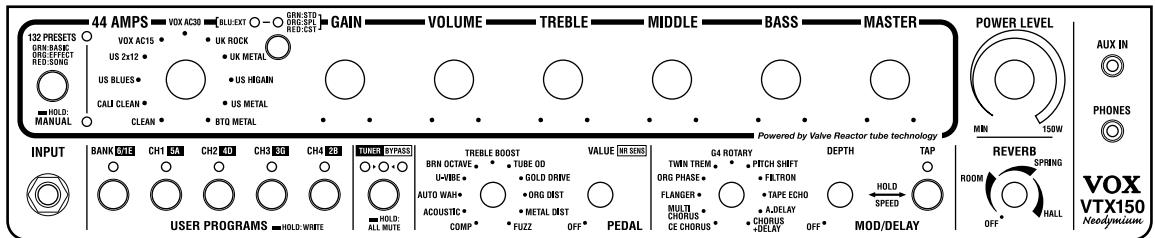
PROGRAM NAME :



NOTE:

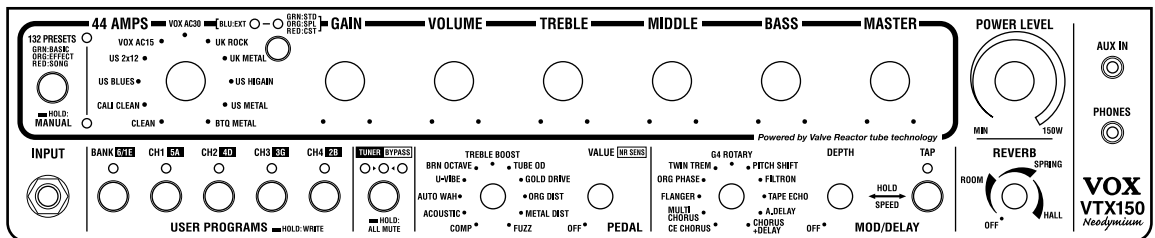
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PROGRAM NAME :



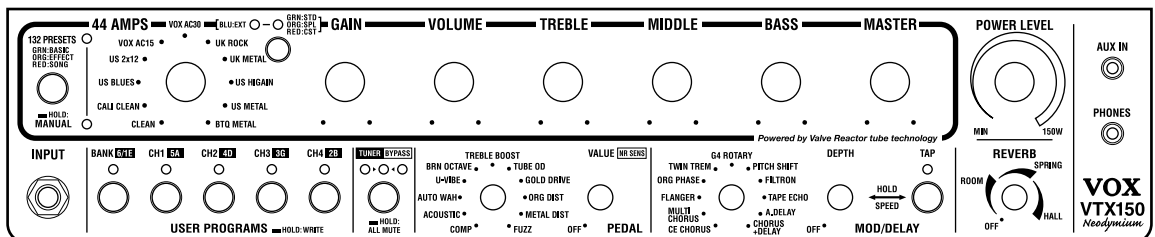
NOTE:

PROGRAM NAME :



NOTE:

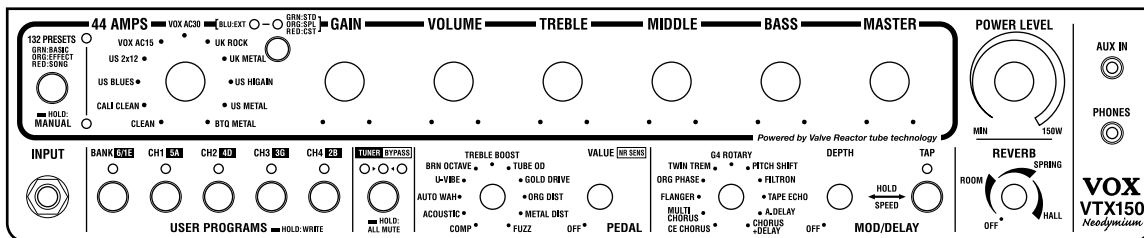
PROGRAM NAME :



NOTE:

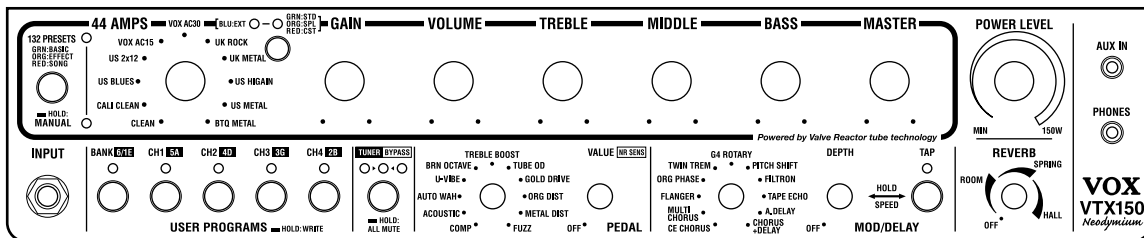
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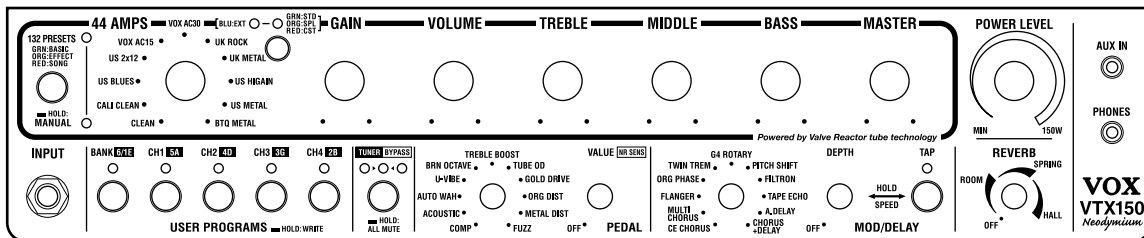
NOTE:

PROGRAM NAME :



NOTE:

PROGRAM NAME :



NOTE:

IMPORTANT NOTICE TO CONSUMERS

This product has been manufactured according to strict specifications and voltage requirements that are applicable in the country in which it is intended that this product should be used. If you have purchased this product via the internet, through mail order, and/or via a telephone sale, you must verify that this product is intended to be used in the country in which you reside.

WARNING: Use of this product in any country other than that for which it is intended could be dangerous and could invalidate the manufacturer's or distributor's warranty.

Please also retain your receipt as proof of purchase otherwise your product may be disqualified from the manufacturer's or distributor's warranty.

