VOX Valvetronix

Owner's Manual

VT15
VT30
VT50
VT100

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
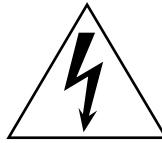
The lightning flash with arrowhead symbol within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

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.

CAUTION

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

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.

Table of Contents

Introduction

Welcome!

Thank you for purchasing the VOX VT15, VT30, VT50 or VT100 Valvetronix amp. To help you get the most out of your new amplifire, please read this manual carefully.

Get ready to enjoy the VT-series amazing guitar sounds!

Main features

➢ The VT-series use Valve Reactor technology, and feature a power amp circuit containing a 12AX7 (ECC83) dual triode valve ("vacuum tube") that would normally be used in a preamp. This allows the amp to produce the true sound and feel of a bona fide all valve (tube) amp.

➢ Sophisticated modeling technology is used to provide twenty-two different amps.

➢ Twelve high-quality effects are built-in. Of these, reverb is available at all times, and three of the remaining eleven effects are "multiple effects" that allow you to use up to three effects simultaneously. Noise reduction can also be used simultaneously.

➢ You can create a sound using the desired amp and effect, and save it in 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 Effected, and Song – are provided, giving you a total of 66 programs (Preset mode). The song programs reproduce the tones of classic hits played by famous guitarists.

➢ Manual mode lets you use the VT-series as a conventional guitar amp. The physical positions of the actual knobs will be reflected by the sound.

➢ An optional VOX VFS5 foot switch (sold separately) can be connected, allowing you to switch programs or turn effects on/off with your feet.

➢ The power level control lets you adjust the output wattage of the power amp. Even with the master volume set to the maximum so that the Valve Reactor power amp is loaded, you'll still be able to adjust the volume without impairing the tonal character.

➢ The external speaker out jack (VT50/VT100 only) lets you connect a guitar speaker cabinet (8 ohm) of your choice.

➢ The effect send/return jacks (VT100 only) allow you to connect your external effect processor in a loop connection.

Signal path

Your guitar sound passes through the following sections.

Refer to "Top and rear panels" (p.8) in conjunction with this illustration.
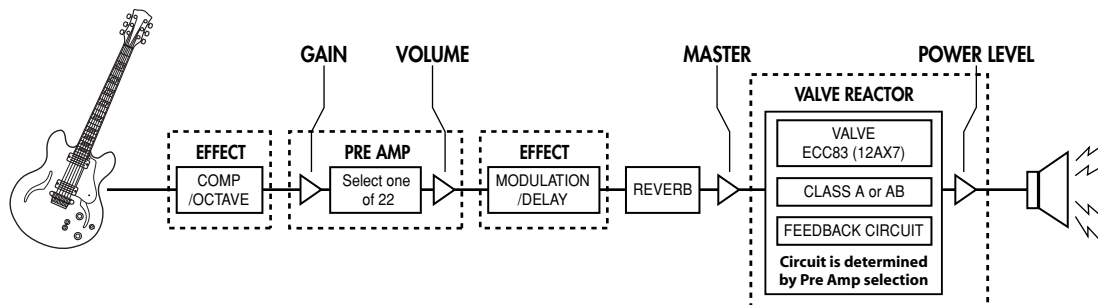
What is Valve Reactor technology?

The Valve Reactor circuit used in the power amp of this VT15/30/50/100 combo amp is based on new technology. Most of the sound creation and tonal shaping is performed in the digital domain, but the Valve Reactor power amp is 100% analog. Passing the guitar signal through the analog-domain power amp stage is an important factor in capturing the feel and tone of the original amp for that model.

Valve Reactor's power stage is a miniature version of a true tube push/pull power amp. It uses a 12AX7 tube (dual triode; in other words, two vacuum tubes in one), and is similar to a true tube amp with an output transformer. Rather than connecting the vacuum tube directly to a speaker via an output transformer, the signal is converted by a virtual output transformer in which solid stage components emulate the output transformer, and the final output stage circuit is connected to a specially designed VariAmp power circuit. This allows the output of the power stage to be continuously varied from minimum output to maximum output.

This VariAmp power circuit is completely transparent – i.e., it does not modify the signal – so the output tone will be the pure sound of a tube amp. The wide dynamic range seen in a conventional tube amp is also maintained. This dynamic range is a characteristic that is difficult to obtain from a solid-state amp; this is why a tube amp sounds more powerful than a solid-stage amp of the same output specifications. 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 operation 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. In addition to producing lively tube sound, "circuitry characteristics" distinctive of the full-tube power stage in the amp being modeled can also be simulated. These characteristics include class-A, class-AB, and power output. By adjusting these characteristics (except for the power output, which the user specifies), 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.

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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 you've read the Quick Start section.

> **HINT:** Illustrations of the top panel and rear panel are provided in "Top and rear panels" (p.8), so refer to them as you try out your amp.

Setup

1. Turn the [MASTER] volume control on the amp all the way down.

2. Connect the included power cable to the rear panel AC power connector, and plug the other end into an AC outlet.

3. Plug the cable connected to your guitar into the top panel INPUT jack.

4. Turn on the [POWER] switch.

5. Slowly raise the [MASTER] volume to adjust the volume.

> **HINT:** The rear panel [POWER LEVEL] control adjusts the output level of the power amp. This lets you adjust the volume while preserving the distortion 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 select 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 two banks, each bank containing eleven models (a total of twenty-two). Press the AMP switch to change banks. Each time you press this, the AMP LED will change to green or red, and you'll alternate between amp banks A and B. Each of the twenty-two amp models has three preset programs (a total of sixty-six programs). In Preset mode, pressing the [PRESET] switch will cycle the PRESET LED between green, orange, and red, switching between preset programs 1 (basic), 2 (effected), and 3 (song).
   > Each song program reproduces the tone of a hit played by a famous guitarist.

Switching between the user programs

1. Press one of the top panel [CHANNEL] switches ([CH1], [CH2], [CH3], or [CH4]).
   The LED of the [CHANNEL] switch you pressed will light, 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.

   > **HINT:** You can store your own favorite sounds in a program. For details, 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.

A. Top panel

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The illustration shows the VT100.

1   **4**   **3**   **5**
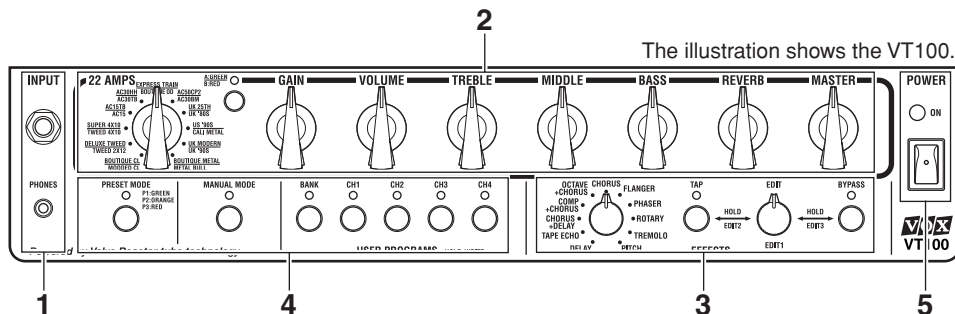
1. INPUT/PHONES section

INPUT jack
This is where you plug in your guitar.

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 Valve Reactor power amp, and the cabinet response of the guitar amp will be applied to it.

> **NOTE:** If you connect this jack, no sound will be output from the internal speaker.

2. Amp section

Here you can make settings for the amp. The "chicken head" type knobs reflect the tradition of VOX amplifiers.

[AMP] switch/selector, LED
Here you can select the amp mode.
Each time you press the [AMP] switch, the AMP LED will change color between green and red, switching between amp banks A and B. Use the [AMP] selector to choose a model within the selected amp bank.
The operation of the pre-amp, power amp (class A or AB), the response of the tone controls and their location within the circuit are all switched according to the amp model you select here, causing each of these to behave as they do in the original amp.

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In Preset mode (i.e., when the PRESET LED is lit), 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 change produced by each control will differ depending on the amp model that you've selected.

[REVERB] control
This adjusts the mix amount for the reverb.

[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. For some settings, there will be almost no distortion.

3. Effect section
Here you can make settings for effects and noise reduction. For details on each effect, refer to "Explanation of the amps and effects" (p.19).

[EFFECTS] selector
This selects the effect type. You can use the [TAP] switch and [EDIT] knob to adjust the parameters of each effect. When you switch the effect type, the parameter settings of the effect will be initialized, and Effect Bypass will be disabled.

[EDIT] knob
This adjusts the parameters of each effect. The knob can adjust three different parameters when used in conjunction with the [TAP] or [BYPASS] switches as described below (when the BYPASS LED is unlit).
- **EDIT 1:** Turn the [EDIT] knob (without holding down a switch).
- **EDIT 2:** Turn the [EDIT] knob while holding down the [TAP] switch.
- **EDIT 3:** Turn the [EDIT] knob while holding down the [BYPASS] switch.

When the BYPASS LED is lit (i.e., when the effect is bypassed), you can adjust the sensitivity of the noise reduction by holding down the [TAP] switch and turning the [EDIT] knob.

> **NOTE:** You can't adjust effect parameters while the BYPASS LED is lit.

[TAP] switch, LED

This sets the speed of modulation-type effects such as Chorus or Flanger, or the time of Delay or Tape Echo effects. The interval between two presses of the switch will be set as the time. The LED will blink at intervals of the specified speed or time.

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

> **HINT:** You can also adjust the speed or time setting by holding down the [TAP] switch and turning the [EDIT] knob (EDIT 2).

> **NOTE:** You can't use the [TAP] switch to set the time while the BYPASS LED is lit. The TAP LED will be unlit.

[BYPASS] switch, LED

If you don't want to use an effect, press this switch to turn off (bypass) the effect. This LED will be lit if the effect is bypassed.

> **NOTE:** Pressing this switch will not bypass the reverb. If you don't want to use reverb, turn the [REVERB] knob all the way to the left so that the mix amount is 0.

> **NOTE:** You can't adjust effect parameters while the BYPASS LED is lit.

> **HINT:** When the effect is bypassed, you can adjust the noise reduction sensitivity by holding down the [TAP] switch and turning the [EDIT] knob.

> **HINT:** The bypass setting is remembered even when you switch modes or programs, or when you turn off the power.

4. Preset/manual/channel section

[PRESET] switch, LED

Use this to switch to Preset mode, and to select preset programs (P1: basic, P2: effected, P3: song). In Preset mode you can use the [AMP] switch/selector to select typical sounds (preset programs) for each amp model. The LED will be lit green, orange, or red when you're in Preset mode.

[MANUAL] switch, LED

Use this to switch to Manual mode. In Manual mode, the sound will reflect the physical position of all of the knobs except for the [EDIT] knob. This lets you use the VT-series just as if it was a conventional guitar amp. The LED will be lit when you're in Manual mode.

[BANK] switch, LED

Use this to select the channel bank. In Channel Select mode, the bank LED will be lit green or red. 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 writing-destination bank (p.16 "Saving a program").

[CHANNEL] switches, LEDs

Use these to select channels. The LED of the selected channel will be lit. To save a new program, hold down the desired [CHANNEL] switch for one second or longer.

5. Power switch

[POWER] switch

When the power is on, the indicator located above the switch will be lit.

B. Rear panel

VT15/VT30   The illustration shows the VT30.
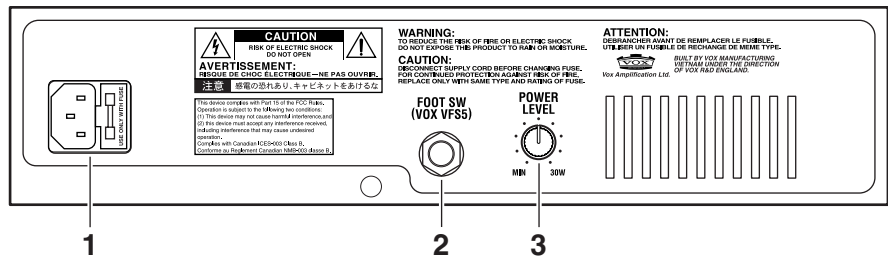
VT50/VT100   The illustration shows the VT100.

(VT100 only)
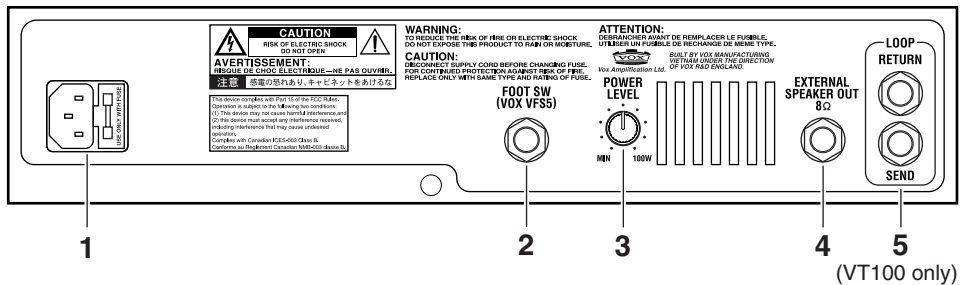
1. AC power connector

This is where you connect the included power cord.

2. FOOT SW (foot switch) jack

You can connect an optional foot switch (VOX VFS5: sold separately) here and use it to switch programs while you perform.

> **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.

3. [POWER LEVEL] control

This adjusts the output wattage of the power amp.

VT15: less than 0.2W – 15W

VT30: less than 0.2W – 30W

VT50: less than 0.2W – 50W

VT100: less than 0.2W – 100W

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

This allows you to output at a range of volume levels without impairing the fat and warm sound (distinctive of classic tube amps) that is produced when you raise the drive of the Valvetronix amp's power stage. Even when you're practicing in a small room, you can play without damaging the listener's eardrums or compromising the great tone.

4. EXTERNAL SPEAKER OUT jack

You can connect a guitar speaker cabinet to this jack.

> **NOTE:** Sound will not be output from the internal speaker if you use the EXTERNAL SPEAKER OUT jack.

> **NOTE:** The VT15 and VT30 don't have this jack.

Important: To ensure that your system works correctly, you must observe the following points.

    a) Don't use an external speaker whose impedance is other than 8 ohms.

    b) Don't connect a speaker whose rated input capacity is less than 50 watts (100 watts for the VT100). The speaker may be destroyed if you ignore this caution - not recommended!

    c) You must use a speaker cable to connect an external speaker. Don't use a shielded cable like the one you use to connect a guitar to an amp.

    d) You must turn off the power before connecting the cable. Connecting the cable while the power is turned on may damage your amp.

5. LOOP SEND jack, RETURN jack

These are loop jacks that you can connect to your external effect processor. Connect the SEND jack to the input of your external effect processor. Connect the RETURN jack to the output of your external effect processor.

> **NOTE:** The VT15, VT30 and VT50 don't have this jack.

About the three operating modes

The VT-series contains three preset programs – basic, effected, and song – for each of its amp models (giving you a total of 66 programs). You can select these simply by switching the VT-series to Preset mode and using the [AMP] selector.

There are also eight channel programs (user programs) that you are free to rewrite; use the [BANK] switch and [CHANNEL] switches or foot switch to switch between these.

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, "effected" 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.

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, and you'll be in Preset mode.

Recalling a preset program

With the PRESET LED lit, operate 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.

> **HINT:** Each of the twenty-two amp models contain three preset programs: "basic," "effected," and "song" (a total of sixty-six programs). In preset mode, pressing the [PRESET] switch will make the PRESET LED cycle through green, orange, and red, switching between preset programs P1:Basic, P2:Effected, and P3:Song. The song presets recall programs that reproduce the tones of hit songs played by famous guitarists. For details on the hit songs that are programmed for each amp model, refer to the table at end of this owner's manual.

Manual mode

When the VT-series 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 [EDIT] knob).

Switching to Manual mode

If the MANUAL LED is dark, you're not in Manual mode. Press the [MANUAL] switch; the MANUAL LED will light, and you'll be in Manual mode.

> **NOTE:** In Manual mode, adjusting a parameter whose setting is not determined by the position of a knob (i.e., the effect parameters and the noise reduction setting) will save that setting automatically. Those settings will be recalled the next time you enter Manual mode. However if the [EFFECT] selector is set to a different position than before, the default settings for that effect type will be loaded for the effect parameters.

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 are dark, you're not in Channel Select mode. Press the [BANK] switch or a [CHANNEL] switch; the BANK and CHANNEL LEDs will light, 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 you connect the optional foot switch (VOX VFX5: sold separately) to the rear panel, you'll be able to switch banks/channels using your foot. For details, refer to "Using the foot switch (VOX VFS5)" (p.18).

> **HINT:** If you want to disable the effects, press the [BYPASS] switch. The BYPASS LED will light and the effect will be bypassed (except for reverb). If you press the [BYPASS] switch once again, bypass will be cancelled and the effect will be enabled. The bypass setting is maintained even if you switch modes or programs, or turn off the power.

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. Either select a program in Preset mode or Channel Select mode, or put the VT-series in Manual mode.

    > **HINT:** It doesn't matter which program you select, since you're creating the sound from scratch.

2. Use the [BYPASS] switch to bypass the effect (the BYPASS LED will be lit). Turn the [REVERB] knob all the way to the left to disable the reverb. 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, refer to "Explanation of the amps and effects" (p.19).

4. Adjust the top panel knobs such as [GAIN], [VOLUME], [TREBLE], [MIDDLE], and [BASS].

5. While holding down the [TAP] switch, turn the [EDIT] knob to set the noise reduction. This setting is also saved in the program. For details, refer to "Adjusting the noise reduction" (p.16).

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

6. If you want to add an effect, press the [BYPASS] switch once again to defeat bypass (the BYPASS LED will be dark).

7. Select the desired effect, and adjust it as desired.
    For example if you want to add delay, turn the [EFFECT] selector to "DELAY." If the selector is already at "DELAY," turn it to some other effect type and then back to "DELAY."
    Use the [TAP] switch and [EDIT] knob to set the delay time or delay mix (the amount of delay sound that is added).

DELAY TIME:	Press the [TAP] switch twice (at the desired timing interval), or turn the [EDIT] knob while holding down the [TAP] switch. (**EDIT 2**)
DELAY MIX:	Turn the [EDIT] knob (without holding down a switch). (**EDIT 1**)
DELAY FEEDBACK:	Turn the [EDIT] knob while holding down the [BYPASS] switch. (**EDIT 3**)

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> **HINT:** For details on the effect types, refer to "Explanation of the amps and effects" (p.19).

8. If you want to use reverb, turn the [REVERB] knob to adjust the reverb mix amount.

Adjusting the noise reduction

Here's how to adjust the way in which 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 [BYPASS] switch to make the BYPASS LED light.

2. While holding down the [TAP] switch, turn the [EDIT] 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. If you want to use an effect, press the [BYPASS] switch to make the BYPASS LED go dark.

Saving a program

When you've created a sound 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 you decide to cancel the Write operation, press [TAP] 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 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 [BYPASS] screen is not saved in the program.

> **NOTE:** If you're creating your sound in Preset mode or Channel Select mode, the changes you made will be lost if you switch to another program or 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 values 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 top panel [MASTER] volume and rear panel [POWER LEVEL] controls are not programmable, so the original value indication is not available for these controls. Nor will the original value indication appear when you're in Manual mode.

Restoring the factory settings

Here's how to restore all settings of the VT-series 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 [TAP] switch.

3. Press the [BYPASS] 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 you will switch to Preset mode.

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

Using a foot switch (VOX VFS5)

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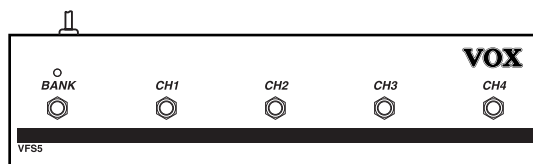
NOTE: You must connect or disconnect the foot switch while the power is off. Malfunctions or damage may occur if you connect or disconnect the foot switch while the power is on.

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

Foot switch operations in Preset or Manual modes

Tap to set the speed/time (CH2 switch)

In Preset or Manual modes, you can set the speed of a modulation-type effect or the time of a delay-type effect by pressing the VFS5's CH2 switch. The time will be set to the interval between two presses of this switch.

NOTE: If the effect is bypassed (i.e., when the top panel BYPASS LED is lit), the CH2 switch will have no effect.

Effect bypass on/off (CH3 switch)

In Preset or Manual modes, you can press the VFS5's CH3 switch to turn effect bypass on/off.

Reverb on/off (CH4 switch)

In Preset or Manual modes, you can press the VFS5's CH4 switch to turn reverb on/off.

NOTE: The reverb will turn on when you switch modes, switch programs, turn the power off, or operate the [REVERB] control.

NOTE: If you save (write) a program with reverb turned off, the program will be saved with the reverb mix amount at 0.

Explanation of the amps and effects

This section explains the twenty-two amp models and the effects.

Amp models

Here we will explain the twenty-two amp models that were specially selected for the Valvetronix amp from numerous great-sounding amps. Much time was spent on selecting the amps to be modeled, and there were repeated consultations between staff members, much advice obtained from pro musicians and guitar specialists, and countless hours of listening and auditioning. The amps we ended up selecting are the best of the best, and cover a broad range of sounds from pristine clean to incredibly overdriven.

Bank A

A-1: BOUTIQUE CL

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 mid-range attack, and a sweet treble register, this is ideal for single coil pickups.

A-2: DELUXE TWEED

This American-made 1x12" hand-wired tube combo amp is one of the most loved club/studio amps in history. Its 12W of warm sound that responded sensitively to the player's touch was projected from a tweed-covered cabinet made of solid pine.

A-3: SUPER 4X10

This American-made combo amp containing four 10" speakers was produced from 1963–1968, and noted for its big clean sound and its warm, husky sound when driven.

A-4: AC15TB

This is a modern amp that combines the ideally sweet tone of the AC15's low-output power amp with the highly-flexible tones of the AC30's top boost channel.

A-5: AC30HH

The AC30HH is a hand-wired all-tube amp head sold to commemorate VOX's fiftieth anniversary. This amp has no rival in its ability to create sparkling chime-like clean sounds and creamy warm overdrive sounds.

A-6: EXPRESS TRAIN

This models a wood-finished 30W boutique amp head that cost more than $25,000. It delivers sparkling glassy clean tones, and raising the gain will produce overdrive sounds that are startlingly sweet in a musical way.

A-7: AC50CP2

The VOX AC50CP2 classic plus combo is VOX's new concept in all-tube amps. This amp models the more high-gain channel 2 with the "Fat Switch" turned off.

A-8: UK 25TH

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

A-9: US '90S

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.

A-10: UK MODERN

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

A-11: BOUTIQUE METAL

This models the crushing high-gain sound emanated from a German-made 100W four-channel amp head. On the VT-series, we chose the "Heavy" channel that delivers a startling tightness when played with a dropped-D metal tuning.

Bank B

B-1: MODDED CL

This modifies an American-made black-paneled amp that has been modified. With this modification, an already-superb amp gains even greater smoothness and additional warmth.

B-2: TWEED 2X12

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.

B-3: TWEED 4X10

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.

B-4: AC15

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.

B-5: AC30TB

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

B-6: BOUTIQUE OD

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

B-7: AC30BM

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

B-8: UK '80S

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 that thick, snarling hard rock and heavy metal sound that dominated the 80's.

B-9: CALI METAL

This models the modern high-gain channel from a wild beast of a high-gain 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.

B-10: UK '90S

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.

B-11: METAL BULL

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

Effects

The VT-series provides eleven of the most popular effects (including multiple effects) in addition to reverb. You can set the SPEED parameter of the modulation effects or the TIME parameter of the delays simply by pressing the [TAP] switch twice at the desired interval. Use the [EDIT] knob to set the most important parameters, and make additional detailed settings by turning the [EDIT] knob while holding down the [TAP] switch or [BYPASS] switch.

TYPE	TAP	EDIT1 [EDIT]	EDIT2 [TAP+EDIT]	EDIT3 [BYPASS+EDIT]
DELAY	TIME	MIX	TIME	FEEDBACK
TAPE ECHO	TIME	MIX	TIME	FEEDBACK
CHORUS+DELAY	DELAY TIME	DELAY MIX	DELAY TIME	DELAY FEEDBACK
COMP+CHORUS	CHORUS SPEED	COMP SENS	CHORUS SPEED	CHORUS MIX
OCTAVE+CHORUS	CHORUS SPEED	OCTAVE MIX	CHORUS SPEED	CHORUS MIX
CHORUS	SPEED	DEPTH	SPEED	MIX
FLANGER	SPEED	DEPTH	SPEED	RESONANCE
PHASER	SPEED	DEPTH	SPEED	RESONANCE
ROTARY	SPEED	DEPTH	SPEED	----
TREMOLO	SPEED	DEPTH	SPEED	----
PITCH	PITCH –12, –7, –5, 0, 5, 7, 12	MIX	PITCH	----

NOTE: In order to edit the effect parameter settings, effect bypass must be off (the BYPASS LED must be dark). If bypass is on (BYPASS LED lit), holding down the [TAP] switch and turning the [EDIT] knob will adjust the noise reduction sensitivity instead of an effect parameter.

HINT: If you don't want to use an effect in a user program, set the effect type to DELAY or TAPE ECHO. Then turn the [EDIT] knob all the way to the left to minimize the MIX setting.

DELAY

This models an analog delay that uses a bucket brigade device (BBD) as its delay circuit. Although its audio quality is lo-fi, it is favored for its warmth. The parameters are the same as TAPE ECHO, below.

TAPE ECHO

This models a popular analog tape echo. Originally, the echo was produced by the playback head, and the delay time was adjusted by changing the speed of the motor.

TAP	"TIME"	Specifies the delay time in a range of 23...1460 [ms].
EDIT1 [EDIT]	"MIX"	Adjusts the mix amount of the delay sound.
EDIT2 [TAP+EDIT]	"TIME"	Lets you use the knob to make fine adjustments in the delay time.
EDIT3 [BYPASS+EDIT]	"FEEDBACK"	Adjusts the amount of feedback.

CHORUS

This models a standard rich-sounding analog chorus unit.

TAP	"SPEED"	Adjusts the modulation speed in a range of 0.1...10 [Hz].
EDIT1 [EDIT]	"DEPTH"	Adjusts the depth of modulation.
EDIT2 [TAP+EDIT]	"SPEED"	Lets you use the knob to make fine adjustments in the delay time.
EDIT3 [BYPASS+EDIT]	"MIX"	Adjusts the mix amount for the effect sound.

HINT: The CHORUS+DELAY combination effect does not allow you to adjust the SPEED, DEPTH, or MIX parameters (these are set to appropriate values). The COMP+CHORUS and OCTAVE+CHORUS combination effects do not allow you to adjust the DEPTH parameter (it is set to an appropriate value).

COMP

This models a compressor pedal that is popular for its percussive, clean sound.

EDIT1 [EDIT]	"SENS"	Adjusts the sensitivity. Turning the knob toward the right will increase the amount of compression and sustain. Turning the knob all the way toward the left will turn off the effect.

HINT: For the COMP+CHORUS combination effect, turning the EDIT 3 knob [BYPASS+EDIT] all the way to the left will turn CHORUS off, letting you use COMP by itself.

OCTAVE

This models a pedal that adds a sense of weight by generating an octave below the input, and adding this lower octave to the original sound.

EDIT1 [EDIT]	"MIX"	Adjusts the mix amount for the octave-lower sound.

NOTE: This type of effect is useful only for single notes. Unexpected results may occur if you play chords.

HINT: For the OCTAVE+CHORUS combination effect, turning the EDIT 3 knob [BYPASS+EDIT] all the way to the left will turn chorus off, letting you use OCTAVE by itself.

FLANGER

This models a truly classic analog flanger that gave birth to one of today's great guitarists considered by many to be "the godfather of dual-handed tapping."

TAP	"SPEED"	Adjusts the modulation speed in a range of 0.1...10 [Hz].
EDIT1 [EDIT]	"DEPTH"	Adjusts the depth of modulation.
EDIT2 [TAP+EDIT]	"SPEED"	Lets you use the knob to make fine adjustments in the speed.
EDIT3 [BYPASS+EDIT]	"RESONANCE"	Adjusts the amount of resonance.

PHASER

This models a popular analog phaser that was packaged in a banana-yellow box.

TAP	"SPEED"	Adjusts the modulation speed in a range of 0.1...10 [Hz].
EDIT1 [EDIT]	"DEPTH"	Adjusts the depth of modulation.
EDIT2 [TAP+EDIT]	"SPEED"	Lets you use the knob to make fine adjustments in the speed.
EDIT3 [BYPASS+EDIT]	"RESONANCE"	Adjusts the amount of resonance.

ROTARY

This models a rotary speaker.

TAP	"SPEED"	Adjusts the modulation speed in a range of 0.8...10 [Hz].
EDIT1 [EDIT]	"DEPTH"	Adjusts the depth of modulation.
EDIT2 [TAP+EDIT]	"SPEED"	Lets you use the knob to make fine adjustments in the speed.

TREMOLO

This models a popular tremolo circuit that was built into US-made amps.

TAP	"SPEED"	Adjusts the modulation speed in a range of 2.5...10 [Hz].
EDIT1 [BYPASS+EDIT]	"DEPTH"	Adjusts the depth of tremolo.
EDIT2 [TAP+EDIT]	"SPEED"	Lets you use the knob to make fine adjustments in the speed.

PITCH

This is a pitch shifter that allows chords to be input, and provides a maximum pitch change of one octave upward or downward.

TAP	"PITCH"	Specifies the pitch. Each time you press TAP, the pitch shift amount will cycle between –12, –7, –5, 0, 5, 7, and 12.
EDIT1 [EDI T]	"MIX"	Adjusts the balance between the direct sound and effect sound.
EDIT2 [TAP+EDIT]	"PITCH"	Lets you adjust the pitch in semitone steps in a range of –12 to 12.

Reverb

This simulates the spring reverb that is built into guitar amps. Use the [REVERB] knob to adjust the mix amount for the reverb sound. If you don't want to use reverb, turn the [REVERB] knob all the way to the left so that the mix amount is 0.

> **NOTE:** The VT-series reverb operates independently of the other effects. Pressing the [BYPASS] switch will not bypass the reverb.

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.

➢ (If you're using the VT50/VT100) Could a cable be connected to the rear panel [EXTERNAL SPEAKER OUT] jack?

Disconnect this jack if you're not using an external speaker.

If you don't hear sound from a connected external speaker, make sure that your speaker cable and external speaker are not broken or malfunctioning.

➢ 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.

➢ (VT100 users) Could a cable be connected to only the LOOP [RETURN] jack of the rear panel?

Connect the cable from the LOOP [SEND] jack to your external effect unit, and connect the output of that effect unit to the LOOP [RETURN] jack.

Adjust the output level of your external effect unit to an appropriate volume.

➢ If the VT-series is in Manual mode (MANUAL LED lit), could the [GAIN], [VOLUME], [TREBLE], [MIDDLE], and [BASS] controls be set to 0 or the minimum value?

3. Insufficient volume from the amp

➢ Could your guitar's volume be turned down?

➢ Could the [MASTER] volume be turned down?

➢ Could the rear panel [POWER LEVEL] be turned down?

➢ 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 VT-seriesd 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 BYPASS LED be lit?

If it is lit, the effect is bypassed. Press the [BYPASS] switch to defeat bypass. The BYPASS LED will go dark.

➢ Could the [EDIT] knob be set to the minimum value?

Adjust the [EDIT] knob.

Specifications

Number of amp models: 22

Number of effects
    Effect types: 11
    Noise reduction: 1
    Reverb: 1

Number of programs
    Preset: 66
    User: 8 (two banks x four channels)

Input/output jacks
    Top panel: INPUT jack x 1, PHONES jack x 1
    Rear panel: FOOT SW jack x 1
                      (VT50/VT100 only) EXTERNAL SPEAKER OUT jack x 1
                      (VT100 only) LOOP SEND jack x1, LOOP RETURN jack x 1

Power amp output
    VT15:   maximum 15 W RMS @ 4 ohms
    VT30:   maximum 30 W RMS @ 4 ohms
    VT50:   maximum 50 W RMS @ 8 ohms
    VT100:   maximum 100 W RMS @ 8 ohms

Speaker
    VT15:   VOX original (8 inch 4 ohm) x 1
    VT30:   VOX original (10 inch 4 ohm) x 1
    VT50:   VOX original (12 inch 8 ohm) x 1
    VT100:   VOX original (12 inch 16 ohm) x 2

Signal processing
    A/D conversion: 24-bit
    D/A conversion: 24-bit
    Sampling frequency: 44.1 kHz

Power supply requirements: AC, local voltage

Power consumption
    VT15:   28 W
    VT30:   40 W
    VT50:   57 W
    VT100:   115 W

Dimensions (W x D x H)
    VT15:   428 x 224 x 395 mm (16.9 x 8.8 x 15.6 inches)
    VT30:   456 x 224 x 430 mm (18.0 x 8.8 x 16.9 inches)
    VT50:   578 x 265 x 485 mm (22.8 x 10.4 x 19.1 inches)
    VT100:   684 x 268 x 553 mm (26.9 x 10.6 x 21.8 inches)

Weight
    VT15:   10 kg (22.1 lbs.)
    VT30:   12 kg (26.5 lbs.)
    VT50:   20 kg (44.1 lbs.)
    VT100:   28.5 kg (62.8 lbs.)

Included items: power cable

Options (sold separately):   Foot switch (VOX VFS5)

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

Song program list

Preset Mode P3: Red

Amp A: GREEN	Song Title
Boutique CL	Message In A Bottle
Deluxe Tweed	Sultans Of Swing
Super 4x10	Pride And Joy
AC15TB	Smoke On The Water
AC30HH	Still Got The Blues
Express Train	Tush
AC50CP2	Paranoid
UK 25th	Sweet Child O'Mine
US '90s	Hot for Teacher
UK Modern	Surfing With The Alien
Boutique Metal	For The Love Of God

Amp B: RED	Song Title
Modded CL	Pride (In The Name Of Love)
Tweed 2x12	Crossroads
Tweed 4x10	Jessica
AC15	Day Tripper
AC30TB	Layla
Boutique OD	Free Bird
AC30BM	Tie Your Mother Down
UK '80s	Walk This Way
Cali Metal	The Trooper
UK '90s	Smells Like Teen Spirit
Metal Bull	Enter Sandman

* 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 setting and POWER LEVEL control setting (rear panel).

PROGRAM NAME

22 AMPS EXPRESS TRAIN
AC30HH BOUTIQUE OD AC50CP2
AC30TB AC30BM
AC15TB UK 25TH
AC15 UK '80S
SUPER 4X10 US '90S
TWEED 4X10 CALI METAL
DELUXE TWEED UK MODERN
TWEED 2X12 UK '90S
BOUTIQUE CL BOUTIQUE METAL
MODDED CL METAL BULL
A:GREEN B:RED

GAIN — VOLUME — TREBLE — MIDDLE — BASS — REVERB — MASTER

PRESET MODE | MANUAL MODE | BANK CH1 CH2 CH3 CH4 | OCTAVE+CHORUS CHORUS FLANGER | TAP | EDIT | BYPASS
P1:GREEN P2:ORANGE P3:RED | | | COMP+CHORUS PHASER CHORUS+DELAY ROTARY TAPE ECHO TREMOLO DELAY PITCH | HOLD EDIT2 | HOLD EDIT3
| | USER PROGRAMS HOLD:WRITE | EFFECTS | EDIT1 |

EDIT2(TAP + EDIT): /TAP | EDIT3(BYPASS + EDIT): | NR (NOISE REDUCTION): | POWER LEVEL

NOTE:

PROGRAM NAME

22 AMPS EXPRESS TRAIN
AC30HH BOUTIQUE OD AC50CP2
AC30TB AC30BM
AC15TB UK 25TH
AC15 UK '80S
SUPER 4X10 US '90S
TWEED 4X10 CALI METAL
DELUXE TWEED UK MODERN
TWEED 2X12 UK '90S
BOUTIQUE CL BOUTIQUE METAL
MODDED CL METAL BULL
A:GREEN B:RED

GAIN — VOLUME — TREBLE — MIDDLE — BASS — REVERB — MASTER

PRESET MODE | MANUAL MODE | BANK CH1 CH2 CH3 CH4 | OCTAVE+CHORUS CHORUS FLANGER | TAP | EDIT | BYPASS
P1:GREEN P2:ORANGE P3:RED | | | COMP+CHORUS PHASER CHORUS+DELAY ROTARY TAPE ECHO TREMOLO DELAY PITCH | HOLD EDIT2 | HOLD EDIT3
| | USER PROGRAMS HOLD:WRITE | EFFECTS | EDIT1 |

EDIT2(TAP + EDIT): /TAP | EDIT3(BYPASS + EDIT): | NR (NOISE REDUCTION): | POWER LEVEL

NOTE:

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PROGRAM NAME

22 AMPS EXPRESS TRAIN

AC30HH BOUTIQUE OD AC50CP2
AC30TB AC308M
AC15TB UK 25TH
AC15 UK '80S
SUPER 4X10 US '90S
TWEED 4X10 CALI METAL
DELUXE TWEED UK MODERN
TWEED 2X12 UK '90S
BOUTIQUE CL BOUTIQUE METAL
MODDED CL METAL BULL

A:GREEN
B:RED

GAIN — VOLUME — TREBLE — MIDDLE — BASS — REVERB — MASTER

PRESET MODE P1:GREEN P2:ORANGE P3:RED

MANUAL MODE

BANK CH1 CH2 CH3 CH4

USER PROGRAMS HOLD:WRITE

OCTAVE +CHORUS CHORUS FLANGER
COMP +CHORUS PHASER
CHORUS +DELAY ROTARY
TAPE ECHO TREMOLO
DELAY PITCH

TAP EDIT BYPASS

HOLD EDIT2 HOLD EDIT3

EFFECTS EDIT1

EDIT2(TAP + EDIT): /TAP

EDIT3(BYPASS + EDIT):

NR (NOISE REDUCTION):

POWER LEVEL

NOTE:

PROGRAM NAME

22 AMPS EXPRESS TRAIN

AC30HH BOUTIQUE OD AC50CP2
AC30TB AC308M
AC15TB UK 25TH
AC15 UK '80S
SUPER 4X10 US '90S
TWEED 4X10 CALI METAL
DELUXE TWEED UK MODERN
TWEED 2X12 UK '90S
BOUTIQUE CL BOUTIQUE METAL
MODDED CL METAL BULL

A:GREEN
B:RED

GAIN — VOLUME — TREBLE — MIDDLE — BASS — REVERB — MASTER

PRESET MODE P1:GREEN P2:ORANGE P3:RED

MANUAL MODE

BANK CH1 CH2 CH3 CH4

USER PROGRAMS HOLD:WRITE

OCTAVE +CHORUS CHORUS FLANGER
COMP +CHORUS PHASER
CHORUS +DELAY ROTARY
TAPE ECHO TREMOLO
DELAY PITCH

TAP EDIT BYPASS

HOLD EDIT2 HOLD EDIT3

EFFECTS EDIT1

EDIT2(TAP + EDIT): /TAP

EDIT3(BYPASS + EDIT):

NR (NOISE REDUCTION):

POWER LEVEL

NOTE:

PROGRAM NAME

22 AMPS EXPRESS TRAIN

AC30HH BOUTIQUE OD AC50CP2
AC30TB AC308M
AC15TB UK 25TH
AC15 UK '80S
SUPER 4X10 US '90S
TWEED 4X10 CALI METAL
DELUXE TWEED UK MODERN
TWEED 2X12 UK '90S
BOUTIQUE CL BOUTIQUE METAL
MODDED CL METAL BULL

A:GREEN
B:RED

GAIN — VOLUME — TREBLE — MIDDLE — BASS — REVERB — MASTER

PRESET MODE P1:GREEN P2:ORANGE P3:RED

MANUAL MODE

BANK CH1 CH2 CH3 CH4

USER PROGRAMS HOLD:WRITE

OCTAVE +CHORUS CHORUS FLANGER
COMP +CHORUS PHASER
CHORUS +DELAY ROTARY
TAPE ECHO TREMOLO
DELAY PITCH

TAP EDIT BYPASS

HOLD EDIT2 HOLD EDIT3

EFFECTS EDIT1

EDIT2(TAP + EDIT): /TAP

EDIT3(BYPASS + EDIT):

NR (NOISE REDUCTION):

POWER LEVEL

NOTE:

PROGRAM NAME

22 AMPS EXPRESS TRAIN
AC30HH BOUTIQUE OD
AC30TB
AC15TB
AC15
SUPER 4X10
TWEED 4X10
DELUXE TWEED
TWEED 2X12
BOUTIQUE CL
MODDED CL
AC50CP2
AC30BM
UK 25TH
UK '80S
US '90S
CALI METAL
UK MODERN
UK '90S
BOUTIQUE METAL
METAL BULL
A:GREEN B:RED

GAIN — VOLUME — TREBLE — MIDDLE — BASS — REVERB — MASTER

PRESET MODE (P1:GREEN P2:ORANGE P3:RED) — MANUAL MODE — BANK — CH1 — CH2 — CH3 — CH4

USER PROGRAMS HOLD:WRITE

OCTAVE +CHORUS / COMP +CHORUS / CHORUS +DELAY / TAPE ECHO / DELAY / CHORUS / FLANGER / PHASER / ROTARY / TREMOLO / PITCH — EFFECTS

TAP — EDIT — BYPASS — HOLD EDIT2 — HOLD EDIT3 — EDIT1

EDIT2(TAP + EDIT): /TAP   EDIT3(BYPASS + EDIT):   NR (NOISE REDUCTION):   POWER LEVEL

NOTE:

PROGRAM NAME

22 AMPS EXPRESS TRAIN
AC30HH BOUTIQUE OD
AC30TB
AC15TB
AC15
SUPER 4X10
TWEED 4X10
DELUXE TWEED
TWEED 2X12
BOUTIQUE CL
MODDED CL
AC50CP2
AC30BM
UK 25TH
UK '80S
US '90S
CALI METAL
UK MODERN
UK '90S
BOUTIQUE METAL
METAL BULL
A:GREEN B:RED

GAIN — VOLUME — TREBLE — MIDDLE — BASS — REVERB — MASTER

PRESET MODE (P1:GREEN P2:ORANGE P3:RED) — MANUAL MODE — BANK — CH1 — CH2 — CH3 — CH4

USER PROGRAMS HOLD:WRITE

OCTAVE +CHORUS / COMP +CHORUS / CHORUS +DELAY / TAPE ECHO / DELAY / CHORUS / FLANGER / PHASER / ROTARY / TREMOLO / PITCH — EFFECTS

TAP — EDIT — BYPASS — HOLD EDIT2 — HOLD EDIT3 — EDIT1

EDIT2(TAP + EDIT): /TAP   EDIT3(BYPASS + EDIT):   NR (NOISE REDUCTION):   POWER LEVEL

NOTE:

PROGRAM NAME

22 AMPS EXPRESS TRAIN
AC30HH BOUTIQUE OD
AC30TB
AC15TB
AC15
SUPER 4X10
TWEED 4X10
DELUXE TWEED
TWEED 2X12
BOUTIQUE CL
MODDED CL
AC50CP2
AC30BM
UK 25TH
UK '80S
US '90S
CALI METAL
UK MODERN
UK '90S
BOUTIQUE METAL
METAL BULL
A:GREEN B:RED

GAIN — VOLUME — TREBLE — MIDDLE — BASS — REVERB — MASTER

PRESET MODE (P1:GREEN P2:ORANGE P3:RED) — MANUAL MODE — BANK — CH1 — CH2 — CH3 — CH4

USER PROGRAMS HOLD:WRITE

OCTAVE +CHORUS / COMP +CHORUS / CHORUS +DELAY / TAPE ECHO / DELAY / CHORUS / FLANGER / PHASER / ROTARY / TREMOLO / PITCH — EFFECTS

TAP — EDIT — BYPASS — HOLD EDIT2 — HOLD EDIT3 — EDIT1

EDIT2(TAP + EDIT): /TAP   EDIT3(BYPASS + EDIT):   NR (NOISE REDUCTION):   POWER LEVEL

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.

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