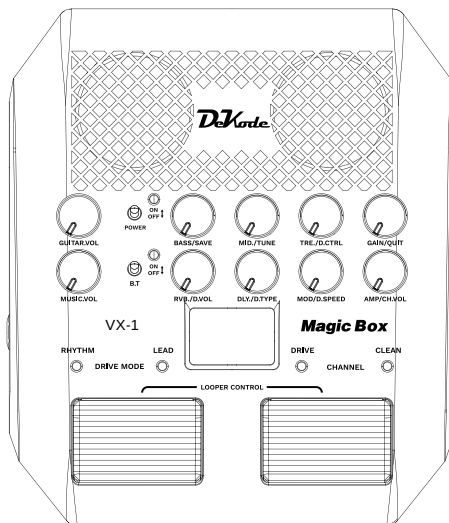


DeKode

Owner's Manual



Important safety instructions



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE.REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK,DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE.



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.



This symbol is intended to alert the user--- 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:

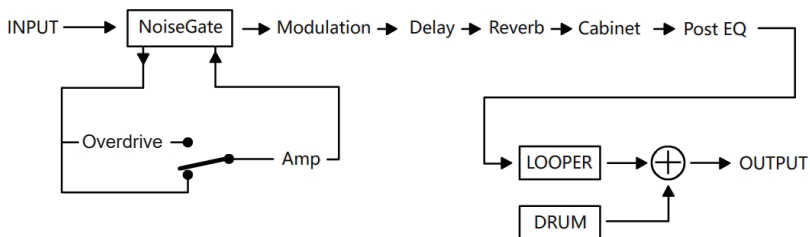
When the product is being charged or connected with power adapter, don't remove its cover(or back), touch the parts and repair it by yourself!

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE!

Detailed safety instructions

- For your safety and to enable you to become proficient in using and maintaining this product more quickly, please read thoroughly and fully understand all safety instructions and usage guidelines in this manual before operation. Please retain it for future reference.
- Do not immerse the device in seawater, water, or use it in damp environments such as bathtubs, toilets, laundry tubs, kitchen sinks, or near swimming pools, to prevent liquid from seeping into the device, which may cause malfunctions, operational failure, or electrical hazards. Avoid using the device in environments filled with flammable or explosive gases, such as gas stations or dusty areas with combustible particles.
- The unit contains a built-in lithium battery pack. Do not charge, use, or place it near heat sources (such as fire, heaters, direct sunlight, or in a hot car), otherwise the battery may overheat, catch fire, malfunction, or become damaged.
- Don't use this product in areas where is full of flammable and explosive gas, such as gas station or dusty areas.
- If the built-in battery is broken, don't buy a new one and change it by yourself, it might cause malfunction, explosion or fire due to inferior quality, as the built-in battery has passed strict tests and has safety certificates, please contact your retailer for battery replacement.
- Don't use alcohol or other cleaning fluids to clean this product, otherwise it will damage the surface, use a clean dry cloth when necessary.
- Don't open the case for any reason, please contact professional maintenance men if it malfunctions, or contact your local retailer for maintenance.
- Don't pull the power cord or other parts of this product, so as not to damage the power cord and plugs.
- Please turn off this product and unplug it during a thunderstorm, lightning or not in use for a long time.
- Don't collide, throw or vibrate this product.
- To protect the built-in battery, please place it in cool, dry conditions, and have a full charge if it's not in use for a long time and ensure charge it for every 2 months.
- If it indicates low battery, please charge it in time, as over discharge and low battery will cause irreversible loss to the battery capacity, and damage the battery.

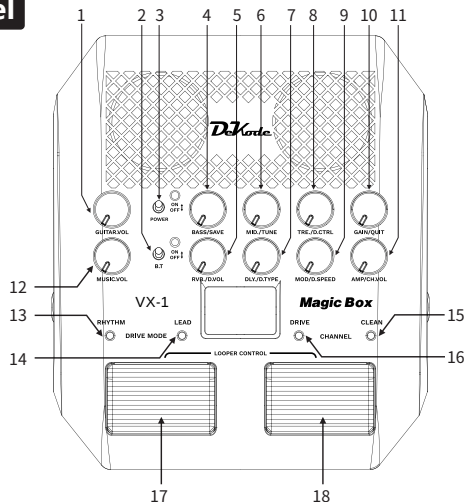
Effects chain diagram



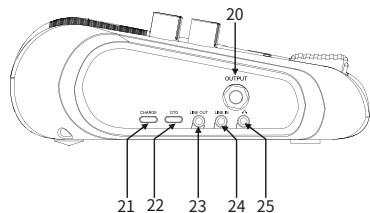
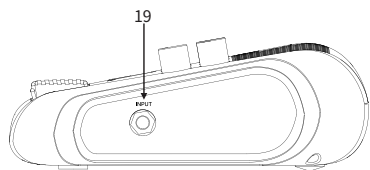
Note: The parameters for Noise gate has already been set, so this module has no adjustable parameters.

Note: The parameters for Overdrive has already been set, so this module has no adjustable parameters.

Panel



1. GUITAR.VOL Knob
2. Bluetooth Switch
3. Power Switch
4. BASS/SAVE Knob
5. RVB./D.VOL Knob
6. MID./TUNE Knob
7. DLY./D.TYPE Knob
8. TRE./D.CTRL Knob
9. MOD./D.SPEED Knob
10. GAIN/QUIT Knob
11. AMP/CH.VOL Knob
12. MUSIC.VOL Knob
13. RHYTHM Mode Indicator
14. LEAD Mode Indicator
15. CLEAN Channel Indicator
16. DRIVE Channel Indicator
17. OVERDRIVE Channel Mode Select Footswitch



18. Channel Switch Footswitch
19. Guitar Input Jack(INPUT)
20. Guitar Output Jack
21. Charging Port
22. USB Port(OTG)
23. LINE OUT
24. LINE IN
25. HEADPHONE OUT Jack

Instructions

1. Use the tuner

You can turn on/off the tuner function by pressing the MID./TUNE knob, when it's been turned on, the screen indicates tuner.

Note: When the tuner function is turned on, all enabled effects, LOOPER and drum machine will be turned off.

Note: When the tuner function is turned on, VX-1 will not respond to any operations other than turning off the tuner until the tuner function is exited.

2. Select the amp head models

In PLAY MODE(The screen indicates some amp head icon), press AMP/CH.VOL knob and enter amp head mode select page, now the top of the screen indicates "Selecting AMP...", now you can choose your desired model via rotate the AMP/CH.VOL knob. Please refer to all the models and corresponding genres in the table as below.

1	65 Black Nor	CLEAN with subtle distortion, ideal for JAZZ, BLUES, etc that don't require sparkling highs, 3-band EQ affects both the tone and GAIN, try to turn up the 3-band EQ and GAIN to the maximum, you'll get a little bit OVERDRIVE yet smooth CLEAN. Note: Please turn down the Channel Volume accordingly.
2	65 Black Nor OD	Less Overdriven tone, perfect for playing the slightly Overdriven parts in JAZZ/BLUES, 3-band EQ affects both the tone and GAIN, try to turn up the 3-band EQ and GAIN to the maximum, you'll obtain the classic slight OVERDRIVE with pronounced mid-range punch. Note: Please turn down the Channel Volume accordingly.
3	65 Black Vib	CLEAN with low-DISTORTION, brighter treble, suitable for JAZZ, BLUES, FUNK, POP, etc, 3-band EQ affects both the tone and GAIN, try to turn up the 3-band EQ and GAIN to the maximum, you'll get medium-Gain OVERDRIVE with pronounced mids punch. Note: Please turn down the Channel Volume accordingly.
4	65 Black Vib OD	OVERDRIVE tone that simulates OVERDRIVE pedal connecting to the amp, making the OVERDRIVE pedal's OVERDRIVE tone stands out, fits for multiple genres, much more versatile. Note: Please turn down the Channel Volume accordingly.

5	J800 Lo	This model can get bright, pristine CLEAN, we recommend that you use it as CLEAN.
6	J800 Lo OD	PRE has J800 Lo model with OVERDRIVE pedal, offering bright OVERDRIVE.
7	J800 Hi	Under different Gain settings, this model's tone spanning bright CLEAN and Hi-Gain CRUNCH, suitable for rock 'n' roll, POP, BLUES, etc, especially for classic rock, delivering stunning, bright PRESENCE, so it's usually the top choice for live performance.
8	J800 Hi OD	Based on the J800 Hi, with an OVERDRIVE (OD) pedal as a front-end boost, thus achieves heightened Gain, suitable for LEAD guitar or Hi-Gain RHYTHM, or METAL's subgenres or fusion genres.
9	DualRect Red	Characterized by American Hi-gain, this model fits for the traditional metal, new metal, punk, and more. Its unique saturated Lead tones resonate with the audience.
10	DualRect Red OD	Use OVERDRIVE(OD) as the front-end BOOST, this model offers crisp HI-GAIN , fits for rock 'n' roll, heavy metal, and extreme metals.
11	5153 EL34	This model is based on the legendary Hi-Gain amplifier using EL34 tubes as the power amp, suitable for multiple rock genres from hard rock to modern metal, etc. Its pronounced mid-range distortion is particularly favored by metalcore guitarists.
12	5153 EL34 OD	This model is based on the legendary Hi-Gain amplifier using EL34 tubes as the power amp, with a pre-Overdrive pedal as boost to achieve much more extreme distortion tones. It fits for diverse rock genres spanning hard rock, modern metal, extreme metal and more.
13	5153 6L6	This model is based on the legendary Hi-Gain amplifier using 6L6 tubes as the power amp, suitable for various rock genres from hard rock to modern metal, its tight mids distortion is especially popular among metalcore players. Compared to EL34 tubes, the 6L6 tubes deliver more mid-low frequencies and more refined high frequency.
14	5153 6L6 OD	This model is based on the legendary Hi-Gain amplifier using 6L6 tube as the power amp, together with a pre-Overdrive pedal as a boost that further enhances the mids gain. The tone becomes much more aggressive, making it the top choice for extreme metal players.

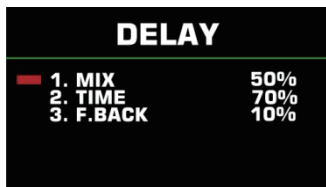
The 14 tone combinations as above cater to the tonal needs of multiple music genres. When combined with the built-in POST-EQ of VX-1, more types of fundamental tones can be achieved. For details about the POST-EQ settings, please refer to the following sections regarding "Channel Volume, POST-EQ, Input/Output Phase, and Other AMP Tone-Related Advanced Parameter Adjustments".

3. Select effects, edit effects parameters

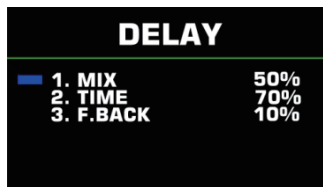
VX-1 features 3 built-in effects modules: MODULATION, DELAY and REVERB, you can select or edit the effects via the knobs as below:

- RVB./D.VOL You can edit the REVERB effects module via RVB./D.VOL knob
- DLY./D.TYPE You can edit the DELAY effects module via DLY./D.TYPE knob
- MOD./D.SPEED You can edit the MODULATION effects module via MOD./D.SPEED knob

You can press the corresponding knob to select the effects of the module, now the display screen will indicate the effects icon, you can rotate the knob to select your desired effects, once finished selection, press GAIN/QUIT button to exit editing, or press the knob again in this page, now the display screen will switch to parameter editing page, in this page, you can press the knob and the cursor will become red or blue, when the cursor is in red, rotate the knob to adjust the parameters, when the cursor is in blue, rotate the knob will change the cursor's position, so as to select the item you need to edit.



(a)



(b)

In non-parameter editing page, module effects select page, drum machine page and tuner page, you can enter effects parameter editing page by rotating the effects knob directly, as in default status, the very first effects parameter can be adjusted directly, if the **very first parameter** has been turned down to "0", its corresponding effects will be bypassed.

4. Switch among the Tone Channels

VX-1 features 2 tone Channels: CLEAN Channel and DRIVE Channel, DRIVE Channel has 2 subchannels: RHYTHM and LEAD, you can use the CHANNEL Footswitch to switch between CLEAN Channel or DRIVE Channel, and choose suitable DRIVE mode via the DRIVE MODE Footswitch, that is to say, in fact, VX-1 has 3 independent Channels, thanks to this design, you can get 3 tones with ease via 2 Footswitches, as normally we need at least CLEAN, DRIVE and LEAD to perform a song.

※Tip

When in CLEAN Channel, adjust the DRIVE MODE Footswitch won't change the current tone, only when it's in the DRIVE Channel, the tone will be switched to DRIVE tone, so you can adjust the DRIVE MODE Footswitch in advance while using CLEAN Channel, so as to choose your desired DRIVE tone you're going to use. In DRIVE Channel, if you operate the DRIVE MODE Footswitch, the tone will be switched between RHYTHM and LEAD.

Although we've divided the Channels into DRIVE/RHYTHM/LEAD by logic in advance, in fact, each Channel's tone can be set by you at will based on your gigs.

5. Adjust the amp head tones

You can adjust the amp head model tone by rotating the GAIN/TREBLE/MID/BASS knobs from the panel, GAIN knob is used to adjust the amp head's GAIN. TREBLE/MID/BASS knobs are the 3-band EQ modeled based on the original amp head model. You can control the model's treble, mids and bass via those 3 knobs.

6. Channel Volume, POST EQ, INPUT/OUTPUT PHASE, other amp tone's related advanced parameter adjustment

You can enter Channel Volume and POST EQ adjustment page(AMPLIFIER) by rotating AMP/CH.VOL knob. Once enters the page, the cursor is in red, and stays at the position of CH.VOL, you can rotate the AMP/CH.VOL knob directly to adjust the Channel Volume.

AMPLIFIER

1. CH VOL	50%
2. HPF	OFF
3. LPF	OFF
4. HIGH	0dB
5. MID	0dB
6. LOW	0dB

(c)

If you need to adjust other parameters, press the AMP/CH.VOL knob and the cursor becomes blue, now you can rotate this knob and make the cursor stop at the item that you want to edit, press this knob again, the cursor becomes red, now you can change the current item's parameter by rotating the knob, in this page, each parameter's meaning are as below:

- CH.VOL The current Channel's VOLUME. CH.VOL can affect the Output Volume, GT.VOL knob also affects the Output Volume, while the difference is that the GT.VOL knob controls all the 3 Channels, it's VX-1's guitar Master Volume Control Knob.
- HPF High-pass filter, commonly referred to as a "low-cut filter or bass-cut filter", it's used to filter out unwanted low frequencies. When the parameter is set below 25Hz, the high-pass filter will be turned off.
- LPF Low-pass filter, can be used to filter out unwanted high frequencies and adjusted according to your preferences. When the parameter is set above 19000Hz, the low-pass filter will be turned off.
- HIGH To adjust the high frequency of the POST-EQ, you can fine-tune it based on the actual listening experience, if you don't need it, just set it as 0dB.
- MID To adjust the mids of the POST-EQ, you can fine-tune it based on the actual listening experience, if you don't need it, just set it as 0dB.
- LOW To adjust the low frequency of the POST-EQ, you can fine-tune it based on the actual listening experience, if you don't need it, just set it as 0dB.

In this page, long press AMP/CH.VOL knob to enter advanced parameter adjustment page(AMPLIFIER MISC). As shown in pic(d).

AMP MISC

1. PHASE.IN	Nor
2. PHASE.OUT	Nor
3. TREB.FC	1900Hz
4. MIDD.FC	1000Hz
5. MIDD.Q	0.7
6. BASS.FC	400Hz

(d)

In this page, 6 editable parameters are available, please refer to the following of their meanings:

- **PHASE.IN** Adjust the signal's PHASE that inputs to amp head model, NOR means doesn't change, INV means Invert signal.
- **PHASE.OUT** Adjust the OUTPUT signal's PHASE of amp head model, NOR means doesn't change, INV means Invert signal.
- **TREB.FC** Adjust the POST-EQ-HIGH's center frequency, you can choose according to the music genre that you play.
- **MIDD.FC** Adjust the POST-EQ-MID's center frequency, you can choose according to the music genre that you play.
- **MIDD.Q** Adjust the POST-EQ-MID's working bandwidth, if decrease the parameter, the frequency coverage will be increased.
- **BASS.FC** Adjust the POST-EQ-BASS's center frequency, you can choose according to the music genre that you play.

Once the adjustment completed, you can press GAIN/QUIT knob to return to the AMPLIFIER page.

※Tip:

To achieve optimal music or backing track playback, VX-1 utilizes full-range speaker. However, the traditional

guitar amplifiers don't use full-range speakers, as it makes the guitar tone saggy, so VX-1 features built-in electric guitar cabinet models, ensuring both high quality guitar tone and superior backing tracks or playback for music. Even so, a single "amp tone" doesn't fully fit for multiple music genres, therefore the POST-EQ becomes crucial. By refining the tone further with the POST-EQ, you can tailor it to suit a wider range of music genres. Additionally, by limiting the tonal frequency bandwidth via the POST-EQ, you can ensure that the guitar's frequencies don't overlap with other instruments, keeping all the instruments articulate and distinguishable. Usually, during live performance or mixing, high-pass filter (low-cut) is used to remove low frequencies below a certain frequency/cutoff frequency?, while low-pass filter (high-cut) eliminates harsh "hissy" from the guitar tone. Meanwhile, boosting the mids with MIDD-EQ, achieving full and punchy guitar tone. If you're unfamiliar with the process of using the POST-EQ, we recommend that you consult the professional musicians, exploring online tutorials by experienced players, or trying out different parameter settings to get your desired tone.

※**Tip:**

The guitar string height impacts its tone immensely. Proper string height not only enhances guitar playability, but also reduces unnecessary low-frequency output while increasing the proportion of mids and high frequency Harmonics in string vibration. Excessively high string action not only compromises playing comfort, but also makes the tone muddy and lacks clarity due to excessive lows. When necessary, you can adjust the string height to obtain better guitar tone.

Note: As VX-1's internal algorithms have fully integrated a whole guitar amplifier system model, including the preamp, power amp and cabinet. Guitar-specific amplifier doesn't fit for amplifying secondary power amplification for VX-1. If you need much higher VOLUME, you can use the LINE OUT Jack to connect to household multimedia speaker or other full-range amplifier for sound amplification.

7. Using the Drum Machine

To facilitate practice and enhance enjoyment, VX-1 features built-in drum machine modules. Press the TRE./D.CTRL knob if you need to use the drum machine, once pressed, the drum machine will start, and the screen will indicate the drum machine page. Now you can rotate RVB./D.VOL knob, DLY./D.TYPE knob and MOD./D.SPEED knob respectively

to adjust drum machine's VOLUME, TYPE, SPEED. To exit the drum machine page, press GAIN/QUIT knob or other knobs, exit page doesn't turn off the drum machine, if you need to turn off the drum machine, press TRE./D.CTRL knob in drum machine page, now the drum machine stops, and the drum machine page exits as well.

Note: If the LOOPER function is activated and content has been recorded, the drum machine's TYPE and SPEED settings will be locked and cannot be adjusted. As the LOOPER requires that the drum machine's BPM should be synchronized with the recording.

8. Using the LOOPER

To enrich your guitar practice, VX-1 features built-in LOOPER, up to 30s. Please use CHANNEL Footswitch and DRIVE MODE FOOTSWITCH to activate LOOPER.

•RECORDING

When no contents have been recorded, press CHANNEL Footswitch and DRIVE MODE Footswitch simultaneously, recording is activated, a red cursor lit at the bottom of the screen, once the recording has been completed, press CHANNEL Footswitch and DRIVE MODE Footswitch simultaneously again, it starts to play what has been recorded, and the cursor at the bottom of the screen changes into green.

•OVERDUB

Press 2 Footswitches simultaneously during playing, the overdub is activated, and overdub won't stop automatically until you press 2 Footswitches simultaneously again, and what you've been overdubbed and the contents recorded last time will be played back together.

•Stop LOOPER Playback

During playback, press the 2 Footswitches simultaneously twice to stop. If you want to activate play, just press the 2 Footswitches simultaneously again.

•Clear OVERDUB

During playing, press the 2 Footswitches simultaneously and hold for over 1s, and it activates OVERDUB Clearing, now the screen's bottom becomes red first, and then changes into blue, and at last becomes green, and the whole process of OVERDUB clearing is completed.

•Clear all the recordings

During playing, press the 2 Footswitches simultaneously twice and hold until a blue cursor at the bottom of the screen lit, indicating clear all the recordings has been activated, once done, the cursor will disappear, LOOPER changes into the initial status, meanwhile, the Drum machine lock status will be released.

Note: Once the LOOPER function is activated and content is recorded, the drum machine's TYPE and SPEED will be locked, and they cannot be adjusted, as the LOOPER requires the drum machine to synchronize with the recording tempo.

Note: If the TUNER function is activated, LOOPER playback will be stopped. You'll be unable to reactivate LOOPER play function until the TUNER exits.

Tip: The drum machine can assist the LOOPER in achieving more precise auto-align. We suggest that turn on the drum machine module when using the LOOPER.

9. Save the settings

If you need to save the current settings, please press BASS/SAVE knob, the screen will display confirmation info, asking whether you want to save settings or not, if not, just press any knob to exit the current page, if yes, please press BASS/SAVE knob again, the screen displays (Saving Settings), and will exit save page automatically once the progress bar completed.

Note: In addition to the 3 Channels' effects parameters, the drum machine's current settings will be saved as well.

Save Settings ?

- Press **BASS** knob again to **SAVE**
- Press **anyother** knob to **ABORT**

(e)

Saving Settings...

(f)

10. Automatic power off

VX-1 will turn off automatically after 20 minutes without any audio signal input, so as to extend battery lifespan.

11. Play music via Bluetooth

VX-1 boasts built-in Bluetooth, you can play your favorite music or backing tracks via it with ease, to use Bluetooth music playing function, please turn on the Bluetooth switch from the panel, and find "VX-1" from your device, and then connect, once they're connected successfully, the Bluetooth indicator is on, now you can play music or backing tracks via VX-1 based on your needs.

12. Record audio via USB-OTG Port

VX-1 features a built-in USB audio interface functionality. Use the attached USB Type-C cable to connect the OTG port (locates on the left side) to your computer or mobile devices to record your performances, or transfer audio data to VX-1 via the OTG port and play music.

Parameters

Charging Interface Specifications: VX-1 does not come with a charger included. You can use your existing charger with a USB Type-C connector to charge VX-1. The charger must have a power output of 10W or higher, the minimum requirement: 5V/2A.

Internal battery pack: 7.4V 2200mAh Lithium-ion battery

Speaker: 2 x 40mm internal magnetic full-range 4Ω/8W speaker

Rated power: 5W x 2

Music Output Channels: Stereo (Headphones, USB-Type-C, LINE OUT, speaker)

Guitar Playback Channels: Mono

Guitar Output Channels: Mono

LINE IN Channels: Stereo

Charging Interface Type: USB Type-C

Fast Charging Support: Not Supported

Charger Requirements: USB Type-C, Power $\geq 10W$

Guitar Input Sensitivity: -3.1dBV

LINE IN Input Sensitivity: 0dBV

LINE OUT Output Level: 0dBV

Guitar Output Level: 0dBV (Differential Output)
0dBV

Headphone Driving Power: 52mW

Rated Headphone Output Load Impedance: 32Ω

Dimensions: 161(L)X182(W)X70(H)mm (Excluding metal phone mount)

Weight: 940g

Package contents

·VX-1 x 1

·Owner's manual x 1

·USB Type-C cable x 1

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