ZOOM506B/SS Operation Manual

Thank you for selecting the ZOOM 506 (hereafter simply called the "506").

Please take the time to read this manual carefully so as to get the most out of your 506 and to ensure optimum performance and reliability. Retain this manual for future reference.

ZOOM CORPORATION

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Major Features

- 24 individual built-in effects provide maximum flexibility. Up to 8 effects can be used simultaneously in any combination.
- Memory capacity for up to 24 user-programmable patches.
- Integrated auto-chromatic bass guitar tuner for simple and precise tuning anywhere.
- Optional foot controller FP01 can be used for pedal wah or pedal pitch, and volume control is also possible.
- Optional foot switch FS01 can be used for bank switching, resulting in enhanced playability.
- Dual power supply principle allows the unit to be powered from an alkaline battery or an AC adapter.
- New DSP (digital signal processor) ZFx-2 developed by Zoom produces high-quality effects from an amazingly compact package.

Safety Precautions 2

USAGE AND SAFETY PRECAUTIONS

In this manual, symbols are used to highlight warnings and cautions for you to read so that accidents can be prevented. The meanings of these symbols are as follows:

This symbol indicates explanations about extremely \triangle dangerous matters. If users ignore this symbol and handle the device the wrong way, serious injury or Warning death could result.

 Caution
 This symbol indicates explanations about dangerous matters. If users ignore this symbol and handle the device the wrong way, bodily injury and damage to the equipment could result.

Please observe the following safety tips and precautions to ensure hazard-free use of the 506.

About power

Warning Since power consumption of this unit is fairly high, we recommend the use of an AC adapter whenever possible. When powering the unit from a battery, use only an alkaline type

- AC adapter operation Be sure to use only an AC adapter which supplies 9 V DC, Be sure to use only an AC adapter which supplies 9 V DC, 300 mA and is equipped with a "center minus" plug (Zoom AD-0006). The use of an adapter other than the specified type may damage the unit and pose a safety hazard. Connect the AC adapter only to an AC outlet that supplies the rated voltage required by the adapter. When disconnecting the AC adapter from the AC outlet, clusure more the adapter is located and the addle.
- always grasp the adapter itself and do not pull at the cable. hit is not to be used for a long time, disconnect the AC If the adapter from the outlet

Battery operation

Use only a 9 V (alkaline) battery (6LR61).

Usage precautions

Electrical interference

For safety considerations, the 506 has been designed to provide rot safety considerations, the 500 has been designed to provide maximum protection against the emission of electromagnetic radiation from inside the device, and from external interference.However, equipment that is very susceptible to interference or that emits powerful electromagnetic waves should not be placed near the 506, as the possibility of interference cannot be ruled out entirely.

Whatever the type of digital control device, the 506 included, electromagnetic damage can cause malfunctioning, and can corrupt or destroy data. Since this is an ever-present danger, thorough care should be taken to minimize the risk of damage.

Cleaning

Use a soft, dry cloth to clean the 506. If necessary, slightly moisten the cloth. Do not use abrasive cleanser, wax, or solvents (such as paint thinner or cleaning alcohol), since these may dull the finish or damage the surface.

Connecting cables and input and output jacks

You should always turn off the power to the 506 and all other equipment before connecting or disconnecting any cables. Also make sure to disconnect all cables and the AC adapter before moving the 506.

- The 506 cannot be used for rechargin Pay close attention to the labelling of the battery to make sure
- you choose the correct type.
 If the 506 is not to be used for an extended period of time, remove the battery from the unit.
 If battery leakage has occurred, wipe the battery compartment
- and the battery terminals carefully to remove all remnants of battery fluid.
- While using the unit, the battery compartment cover should be closed.

Environment

- Avoid using your 506 in environments where it will be Caution exposed to: Extreme temperature

 - High humidity or moisture Excessive dust or sand

 - Excessive vibration or shock

Handling



- The 506 is a precision instrument. Except for the foot switches, do not push other parts with your feet or subject Caution them to strong force
 - · Take care that no foreign objects (coins or pins etc.) or liquids an enter the unit
 - · Be sure to turn the power to all equipment off before making
 - connections. Before moving the unit, turn the power off, and disconnect all cables and the AC adapter.

Alterations



Never open the case of the 506 or attempt to modify the product in any way since this can result in damage to the unit.

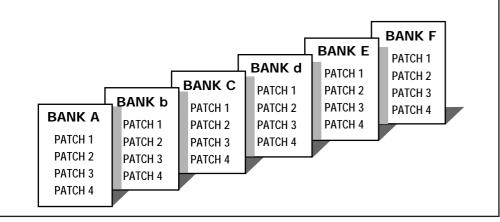
3 What Are Banks and Patches?

• PATCH

A combination of several effects, each with individual parameter settings is called a "patch". The 506 comes with 24 preset patches which can be changed (edited) by the user.

• BANK

The 506 calls up patches in sets of four, called a "bank".



4 PATCH LIST

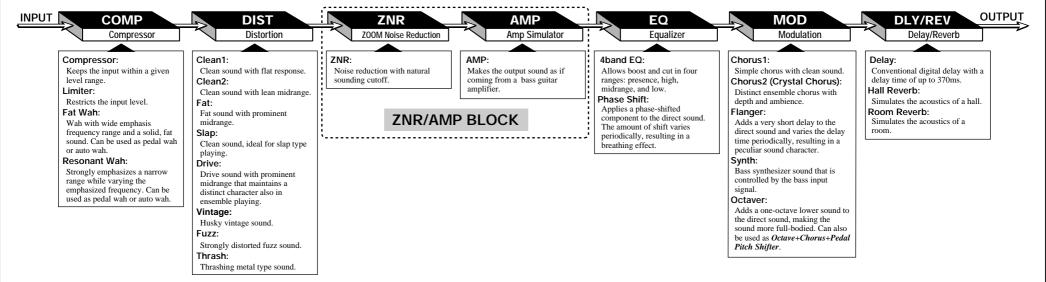
The 506 has memory capacity for 24 patches. At the factory, these are programmed with recommended settings. The user can freely change the contents of any patch, and it is also possible to restore the factory settings.

| BANK | PATCH | PATCH NAME | COMMENT | | |
|--------------|-------|--------------------|--|--|--|
| | 1 | SLAP SOLO | Orthodox slap sound with flanger flavoring | | |
| Α | 2 | BIG FUZZ | Fuzz tone with straight distortion | | |
| ~ | 3 | TAURUS | Fat synthesizer bass sound | | |
| | 4 | OCTAVE CHORUS | Chorus tone with octave effect | | |
| | 1 | VINTAGE | Vintage seventies UK hard rock sound | | |
| b | 2 | MILLER'S SLAP | Fashionable, danceable slap sound | | |
| | 3 | LOVERS' FUNK | Gritty bass for P-funk bass solos | | |
| | 4 | CHORD CHORUS | Ideal sound for six-string bass upper-range chord play | | |
| С | 1 | BILLY DRIVE | Great for super-fast right hand play | | |
| | 2 | UNITE | Wah & octave funk bass sound | | |
| | 3 | CRAZY PHASE | Percussive slap creates a dazzling effect | | |
| | 4 | BASS SYNTH | Synthesizer bass mixed with direct sound | | |
| d | 1 | FAT SLAP | Straight, fat sound | | |
| | 2 | WILD | Combination of resonant wah with drive sound + pedal pitch | | |
| | 3 | THICK | Characteristic disco bass sound | | |
| | 4 | JET ON | For eighth note play with jet sound | | |
| Ε | 1 | SO FAT | Lower-octave addition creates full-bodied sound | | |
| | 2 | NATURAL CLEAN TONE | Practical, basic bass sound | | |
| | 3 | ATTRACTIVE SYNTH | Distortion + synthesizer sound for on-stage playing | | |
| | 4 | U. K. ROCK | Chorus + pedal sound ideal for picking | | |
| F | 1 | T.M. SLAP | Energetic slap sound | | |
| - | 2 | GETTIN' | Picking nuance changes the distortion intensity | | |
| (LINE OUTPUT | 3 | SOLIST | Ideal for ballad solos and backing | | |
| SETTING) | 4 | MULTI SYNTH | Synthesizer bass for any kind of playing style | | |

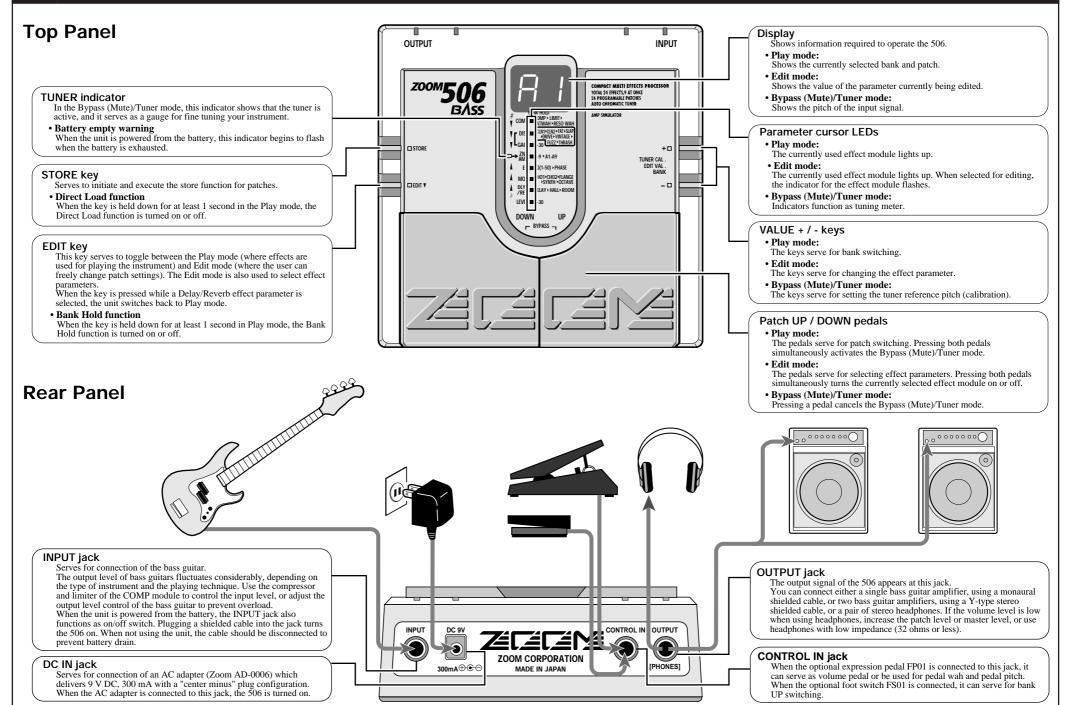
5 Effect Connections

As shown in the illustration below, the 506 can be thought to contain seven "effect modules" which are internally connected. In most effect modules, only one effect may be active at any given time, but the MOD

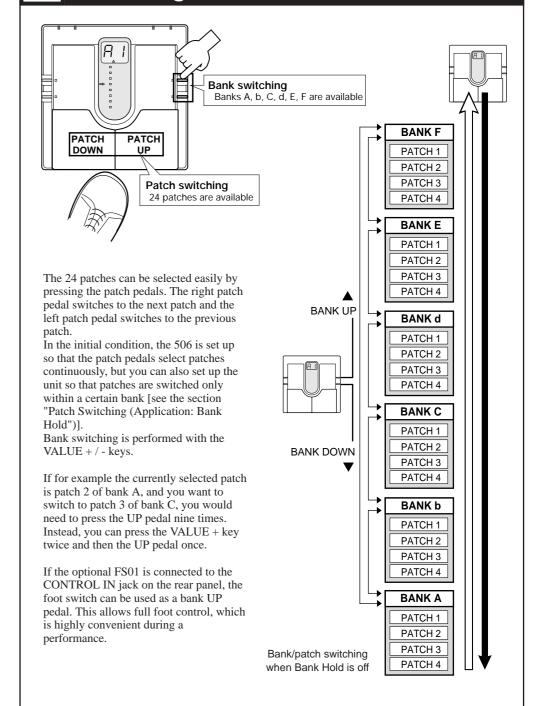
module can use two effects simultaneously. Therefore the 506 can act like a total of eight single effect devices.



6 Controls and Functions



Selecting Patches

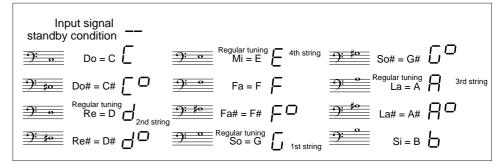


8 Using the Bypass (Mute)/Tuner Mode

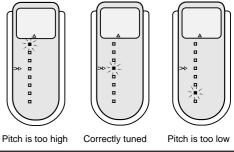
In the Bypass mode, the effects of Calibration Select reference pitch for auto-chromatic bass guitar tuner (calibration) the 506 are temporarily turned off, so that the original sound of the instrument only is heard. In this * Reference pitch (A) can be adjusted in mode, the auto-chromatic tuning the range from 435 to 445 Hz. This is shown as "35" to "45" on the display. The normal setting is 440 Hz (40). function is also active. It is also possible to activate muting, to Ø Bypass (Mute)/Tuner mode ON prevent the tuning sound from Pressing both patch pedals simultaneously turns being sent to the output. Press both the Bypass (Mute)/Tuner mode on. To turn the mode off, simply press one of the two patch pedals. pedals together Bypass and mute condition Pressing both patch pedals simultaneously activates the Bypass or Mute mode. • For bypass mode: Press and immediately release the patch pedals. Currently selected P / Press bP Release immediately Tuner mode • For mute mode: Press patch pedals for at least 1 second. $\begin{array}{c|c} \text{Currently selected} \\ \text{patch is indicated} \\ \hline P \\ \hline Press \text{ for 1 s or more} \\ \hline \end{array} \\ \hline \hline P \\ \hline$ To cancel the bypass or mute condition, simply press one of the patch pedals. The unit then reverts to the previously selected patch.

Tuning function

When the 506 is in the Bypass or Mute mode, the tuning function is activated automatically. Pick an open string to be tuned. The closest note is shown on the display.



When the tuning function is active, the parameter cursor LEDs serve as tuning meter, designed to enhance tuning precision when making fine adjustments.



Patch Switching (Application: Bank Hold ON) 9

Bank Hold ON

In the factory default condition, the patch pedal switches all patches, regardless of the bank divisions. This kind of patch switching is called the Bank Hold off condition.

The Bank Hold function limits switching to the four patches within a bank. When the function is activated, the patch pedals switch only between the patches in the current bank. To activate the function, keep the EDIT key depressed for at least 1 second in the Play mode. The BANK HOLD indicator on the display lights up. To turn the function off again, perform the same step (press the EDIT key for at least 1 second). The BANK HOLD indicator on the display goes out.

Keeping the EDIT key depressed for at least 1 second activates Bank Hold. To cancel Bank Hold, press the EDIT key again for 1 second. R. Ħ Bank switching Banks A, b, C, d, E, F can be switched. PATCH PATCH DOWN UP Patch switching 4 patches within bank can be switched ZOOM FS0 Bank switching (Bank UP pedal) Using optional foot switch FS01 banks A, b, C, d, E, F can be switched by foot. Bank switching can be performed using the VALUE + / - keys or the optional foot switch FS01 connected to the CONTROL IN jack on the rear panel. Bank/patch switching when Bank Hold is on BANK F BANK E PATCH PATCH BANK d PATCH PATCH 3 PATCH BANK C PATCH PATCH 4 PATCH PATCH BANK b PATCH 1 PATCH 4 PATCH PATCH 2 PATCH PATCH 4 PATCH PATCH PATCH PATCH BANK HOLD ON PATCH

Patch Switching (Application: Direct Load OFF) 10

BANK DOWN

In the default condition, the 506 is set up in such a way that pressing a patch pedal immediately switches the patch and alters the output sound. This is called Direct Load ON. This switching principle is most convenient when the desired patches are adjacent or close to each other. However, when wanting to switch to a patch that is further away, it may be desirable not to activate the sound of the other patches in between.

BANK A

PATCH

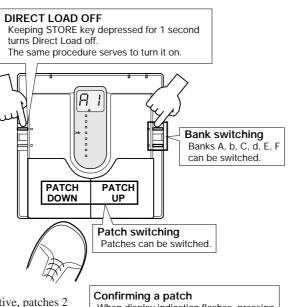
PATCH 2

PATCH 3 PATCH 4

When this is desired, turn the Direct Load function off as follows. When Direct Load has been turned off, switching banks and patches has no effect until the user confirms the selection.

For example, when going from

patch 1 to patch 4 with Direct Load active, patches 2 and 3 will briefly be heard when the patch UP pedal is pressed three times. When Direct Load is off,

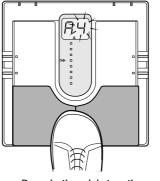


When display indication flashes, pressing both patch pedals together confirms the patch and switches the output sound.

BANK HOLD OFF

pressing the patch UP pedal will change the number on the display (the number flashes), but until the user confirms the choice, the sound remains that of patch 1.

To turn Direct Load on or off, keep the STORE key depressed for at least 1 second. To confirm a choice after selecting a patch with Direct Load off, press both patch pedals simultaneously.



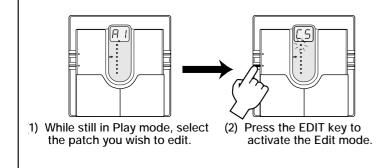
Press both pedals together

Example: switching from patch 1 to patch 4 (4) Æ Patch switching completed Confirm

11 Editing Patches

The 506 comes with 24 predefined patches that have been programmed at the factory. However, the 506 offers many more possibilities for combining effects in innovative ways. To discover these possibilities, we recommend that you try out the editing function, which lets you create your own patches. The mode in which patches can be edited is called the Edit mode.

To switch from normal Play mode to Edit mode, briefly press the EDIT key. Do not keep the EDIT key depressed, because if the key is held for 1 second, the Bank Hold mode will be activated.



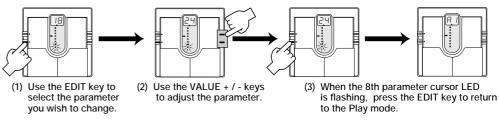
Immediately after switching from the Play mode to the Edit mode, the parameter cursor flashes at the highest position (COMP module), regardless of which patch was selected. The COMP module setting of the current patch is shown on the display. While Edit mode is active, each push of the EDIT key causes the parameter cursor to move one position down. The flashing position shows which module is selected for editing. The relation between parameter cursor LEDs and modules is as shown below.

1 st parameter cursor LED:COMP module setting2nd parameter cursor LED:DIST module distortion type setting3rd parameter cursor LED:DIST module distortion gain setting4th parameter cursor LED:ZNR and AMP block settings5th parameter cursor LED:EQ module setting6th parameter cursor LED:MOD module setting7th parameter cursor LED:DLY/REV module setting8th parameter cursor LED:PATCH level setting

Use VALUE + / - keys to change parameters.

For an explanation of the various parameters, please refer to the section "Effect Parameters".

When the EDIT key is pressed while the 8th parameter cursor LED flashes, the Edit mode is canceled and the unit returns to the Play mode.



12 Effect Parameters

| COMP module | DIST module | ZNR/AMP block | EQ module | MOD module | DLY/REV module | PATCH Level |
|---|--|---|--|--|--|--|
| Compressor The input signal from the bass guitar is compressed to taking range: $\Box \land \Leftrightarrow \Box \ \Im (c1 - c9)$ Higher values result in stronger compression. imiter Jumits the input signal with aster response than the compressor effect. Serves to orevent overload of other nodules. Setting range: $\Box \land \Leftrightarrow \Box \ \Im (L1 - L9)$ Higher values result in more effective limiting. at Wah Wah with wide emphasis frequency range and a solid, at sound. Setting range: $F \land \Leftrightarrow F \ \boxminus (F1 - F8)$ When set in this range, the emphasized frequency is shifted, depending on the dynamics of the bass guitar nput. Higher values result in a nore pronounced wah effect. F P (FP) When this value is selected, wah can be controlled using the pedal FP01 connected to the CONTROL IN jack. Cesonant Wah Strongly emphasizes a narrow ange while varying the smphasized frequency. Can be used as pedal wah or auto vah. Setting range: $r \land \Leftrightarrow r \ (r1 - r8)$ When set in this range, the effect functions as auto wah. Higher values result in a | Distortion Type A total of eight effect types are available, including four different distortion types and four effects which produce a clean sound without distortion. $\begin{bmatrix} I \ (Clean1) \\ Clean sound with flat response. \begin{bmatrix} C \ (Clean2) \\ Clean sound with lean midrange. F \ (Fat) Fat sound with prominent midrange. \begin{bmatrix} SL \ (Slap) \\ Clean sound, ideal for slap type playing. \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ $ | ZNR module Determines the settings for Zoom Noise Reduction. AMP module Simulates the sonic characteristics of a bass guitar amplifier. Both modules together form the ZNR/AMP block. Setting range: $l \Leftrightarrow \exists (1-9)$ Higher values result in more effective noise reduction in the no-signal condition. Choose the highest setting that will remove noise without making the instrument sound unnatural at the trailing edge (when the sound decays into silence). $\Pi \ l \Leftrightarrow \Pi \trianglelefteq I_{(h-1-A9)}$ A1: Amp simulator only is active. 2 - A9: ZNR is also used. Higher values result in more effective noise reduction. | 4band EQ Allows boost and cut in the presence, high, midrange, and low range, with 50 available settings.Setting range: $ \Leftrightarrow D (1-10)$ Lower values result in a stronger high-range cut and low-range boost. $ I \Leftrightarrow 2D (11-20)$ Lower values result in a lower boosted frequency. $2 \Leftrightarrow 2H(21-24)$ Lower values result in a stronger presence-range boost. $25 (25)$ Yields flat frequency response. $2f \Leftrightarrow 3D (26-30)$ Higher values result in a stronger high-range boost. $3 \Leftrightarrow 4D (31-40)$ Higher values result in a stronger presence-range and low-range boost, giving a firm, solid sound.Phase Shift Applies a phase-shifted component to the direct sound. The amount of shift varies periodically, giving a breathing effect.Setting range: $P \Leftrightarrow P (\wp P-P9)$ Higher values result in a stronger effect. | Chorus1 Simple chorus which adds a component with periodically changing pitch to the direct sound. Suitable for enhancing body while maintaining a clean sound. Setting range: $[I \Leftrightarrow \subseteq G(c_1 - c_9)$ Higher values result in a stronger effect. Chorus2 (Crystal Chorus) Distinct ensemble chorus with depth and ambience. Setting range: $C \ I \Leftrightarrow \subset G(c_1 - c_9)$ Higher values result in a stronger effect. Flanger Adds a very short delay to the direct sound and varies the delay time periodically, resulting in a peculiar sound character. Setting range: $F \ I \Leftrightarrow F \ G(F_1 - F_9)$ Higher values result in a stronger effect. Synth Bass synthesizer sound that is controlled by the bass input signal. Does not respond to chord input. To prevent unwanted results, you should carefully pick single tones. S / Synthesizer sound charmonic noise to strong bass (synthesizer sound only) S Bright synthesizer sound with subdued harmonics (synthesizer sound only) S Soft synthesizer sound with subdued harmonics (synthesizer sound only) S S oft synthesizer sound with subdued harmonics (synthesizer sound only) S S Soft synthesizer sound with subdued harmonics (synthesizer sound only) S S S Synthesizer sound with subdued harmonics (synthesizer sound only) S S Soft synthesizer sound with subdued harmonics (synthesizer sound only) S S S S + some direct sound. | Delay Conventional digital delay with a delay time of up to 370 ms. By monitoring this effect in stereo, you can achieve a ping-pong delay. Setting range: $d \ l \Leftrightarrow d \ g(n1-d9)$ Higher values result in longer delay time. Mix and feedback are also optimized. Mix lates the acoustics of a hall. Setting range: $H \ l \Leftrightarrow H \ g(n1-n9)$ Higher values result in longer reverb time. Mix setting is also optimized. Setting range: $r \ l \Leftrightarrow r \ g(n1-r9)$ Higher values result in longer reverb time. Mix setting is also optimized. Setting range: $r \ l \Leftrightarrow r \ g(n1-r9)$ Higher values result in longer reverb time. Mix setting is also optimized. | Patch Level Allows setting the level of individual patches. This setting is stored for expatch like the effect parameters. Setting range: I ⇔ ∃ □ (1-Higher values result in higher level. |
| more pronounced auto wah effect. <i>P</i> (rP) When this value is selected, wah can be controlled using the pedal FP01 connected to the CONTROL IN jack. | | | | 55 S3+ some direct sound. 57 S1+ direct sound 1:1. 58 S2+ direct sound 1:1. 59 S3+ direct sound 1:1. | Normally, parameter | e the shortcut function which LUE keys simultaneously. For the "Delay" parameter of the |
| HINT 1 Selectin | ag parameters to chang | l e Dressing the | | Octaver Adds a one-octave lower sound to the direct sound, making the sound more full- bodied. Can also be used | need to press the VALUE + key effect to "r5". However, you can activating the shortcut twice and key 4 times. | 18 times to set the "Room" achieve the same effect by |

As described in "Editing Patches", parameters to be edited are selected by repeatedly pressing the EDIT key, but you can also use the patch

(HINT)

pedals for this purpose. Pressing the patch UP pedal (right pedal) moves the parameter cursor (the selected parameter) up.

2 Effect module on/off switching

Each effect module in the 506 can be considered as a single compact effect device. Adjusting parameters then is equivalent to selecting the type of effect device or turning the knobs on an effect device. What is called a patch corresponds to a collection of effect devices connected in various ways and set to ON or OFF.

As you will know if you have used several individual effect devices in a performance before, not all devices will be switched on all the time. Depending on the mood of the song and other factors, devices will be switched on and off in different combinations. The same applies to the 506. The on/off timing and combination of effect modules are important aspects in creating a certain sound.

Except for the distortion gain (3rd

parameter cursor position) and patch level setting (lowest parameter cursor setting), the flashing parameter cursor indicates that the corresponding effect module can be turned on or off. The ZNR and AMP modules are turned on and off together. When wishing to disable them individually, you must do this by

Effect modules can be switched on and off in three ways.

1. Using the VALUE + / - keys

setting the parameters accordingly.

When using the VALUE + key to increase the parameter value, the setting following the maximum value is the "effect off" setting. Similarly, when using the VALUE - key to decrease the parameter value, the setting before the minimum value is the "effect off" setting. When the VALUE + key is pressed once in the "effect off" condition, the effect is turned on and the minimum value is set. When the VALUE - key is pressed once in the "effect off" condition, the effect is turned on and the maximum value is set.

Pressing the patch DOWN pedal (left pedal)

moves the parameter cursor (the selected

2. Using a shortcut

parameter) down.

Pressing both VALUE + / - keys together for an effect module functions as a shortcut. Repeating the shortcut procedure several times turns the effect off. Performing the shortcut when the effect is off turns it on and sets the minimum parameter value.

3. Using the patch pedals

Pressing both patch pedals together for an effect module turns the effect off. Pressing both patch pedals together when the effect is off turns it on and restores the previously selected parameter value.

Effect off indication

bodied. Can also be used together with the chorus effect. Optional pedal can be used for controlling the pitch. Setting range: ☐ 1 ⇔ ☐ ⓑ (01 - 06) Higher values result in stronger lower-octave sound.

 $\square \ 7 \Leftrightarrow \square \ 9 \ (07 - 09)$ Octaver and chorus are used together. Chorus is fixed, but higher values result in stronger lower-octave sound.

Ρυ

When this value is selected, the pitch can be controlled within the range to one octave higher, using the pedal FP01 connected to the CONTROL IN jack.

Ρd

When this value is selected, the pitch can be controlled within the range to one octave lower, using the pedal FP01 connected to the CONTROL IN jack.



When the optional expression pedal FP01 is connected to the CONTROL IN jack, it can also be used for adjusting the output volume of the 506. However, if the COMP module parameter is set to a range which activates pedal wah for Fat Wah or Resonant Wah, or if the Octaver parameter in the MOD module is set to pedal pitch (Pu or Pd), this setting has priority and the pedal controls the effect. In other cases, the pedal controls the volume between the EQ module and the MOD module. As opposed to a volume pedal connected after the 506, the level can be adjusted without affecting the sonic impression of reverb and delay effects.



(HINT)

5 Master level adjustment

The 506 also lets you set the overall output level, separately from individual patch levels.

The master level can be adjusted in Play mode, as follows. Keep both VALUE keys depressed for at least 1 second. The current master level is then shown on the display for 1 second. While the level is displayed, you can use the VALUE + / - keys to change it. The setting range is 0-50. At "40", the level is identical to the individual patch level.

The master level setting is not stored by the unit. After the power has been turned off, the master level must be set again.

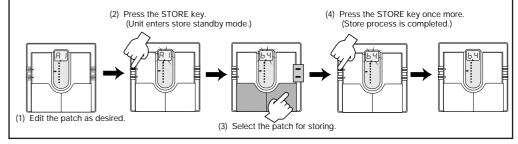
13 Storing Patches

If you have edited (altered) a patch and turn the 506 off without storing the patch, the patch will revert to its old setting. To store an edited patch, use the following simple procedure.

- Storing can be carried out in Play mode and Edit mode. After you have edited the patch, press the STORE key. If the unit is currently in Play mode, release the key before 1 second has elapsed, otherwise the Direct Load function will be activated.
- The display starts to flash. This condition is called the store standby condition. If you wish, you can abandon the store procedure at this point by pressing the EDIT key. If you press the STORE key once more, the contents of the patch are updated.

You can also change the patch number before storing, so that the edited patch will be stored in a different number.

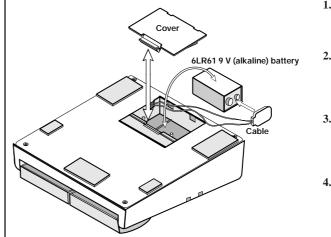
In this case, the original patch that was used as a starting point for editing will not be changed.



14 Replacing the Battery

If the tuning indicator flashes while the unit is being powered from the battery, the battery is exhausted and should be replaced as described below.

Since the 506 has fairly high rated power consumption, use only a 6LR61 9 V (alkaline) battery. Using another kind of battery will result in shorter operation.



- 1. Turn the 506 upside down and open the cover of the battery compartment. (Push the catch to unlock the cover, then lift it up.)
- 2. Remove the battery from the compartment and disconnect the battery cable. (Grasp the terminal strip and do not pull at the cable.)
- 3. Connect the battery cable to the new battery, taking care to observe correct polarity (+/-). Then insert the battery into the battery compartment.
- 4. Close the battery compartment cover, taking care not to pinch the cable. (Make sure that the cover is properly locked.)

15 Returning Patches to Factory Settings

The 506 comes with 24 predefined patches that have been programmed at the factory. Also after you have edited and stored your own patches, you can return to the factory default settings at any time. This process is called "recalling". Returning all 24 patches to the original contents and resetting the Bank Hold and Direct Load functions is called "all initialize".

The recall mode is separate from the Play mode and Edit mode. You cannot switch directly to recall mode from these modes. The recall mode can only be activated by turning the unit on in a special way, as described below.

- 1. Turn the unit off by disconnecting the AC adapter or the guitar input cable.
- 2. Keep the STORE key depressed and turn the unit on.
- 3. The indication "AL" flashes on the display.
- 4. To perform "all initialize", press the STORE key once more in this condition. The flashing rate increases and the initialization procedure is carried out. When it is completed, the unit automatically enters the Play mode.
- 5. When wishing to recall only a particular patch, select the patch number in step 3, using the same procedure as for normal patch selection.
- 6. When the desired patch has been selected, press the STORE key. The flashing rate increases and the contents of the selected patch are recalled.
- 7. Recalling of individual patches can be carried out continuously. When you wish to terminate the process, press the EDIT key. The unit then returns to the Play mode. Turning the unit off also terminates the recall condition.

16 Specifications

| Effects | Maximum number of simultaneous effects: 8 24 effect types: Compressor, Limiter, Fat Wah, Resonant Wah, Clean 1, Clean 2, Fat Slap, Drive, Vintere, Furg, Threeh, 4Band Equalizer, Phene | | | | |
|---------------------------|---|--|--|--|--|
| | Clean2, Fat, Slap, Drive, Vintage, Fuzz, Thrash, 4Band Equalizer, Phase, Chorus1, Chorus2 (Crystal Chorus), Flanger, Synthesizer, Octaver, Delay Hall, Room, Amp Simulator, ZNR | | | | |
| Effect modules | Maximum number of simultaneous modules: 7 (5 modules + 1 block) | | | | |
| Banks and patches | 6 banks x 4 patches = 24 patches (edit + store possible) | | | | |
| Analog/digital conversion | 18 bit, 128 times oversampling | | | | |
| Digital/analog conversion | 16 bit, linear | | | | |
| Sampling frequency | 31.25 kHz | | | | |
| Input | Bass guitar input (standard monaural phone jack) | | | | |
| | Rated input level: -20 dBm | | | | |
| | Input impedance: 470 kilohms | | | | |
| Output | Combined line/headphone output (standard stereo phone jack) | | | | |
| | Max. output level: +6 dBm | | | | |
| | Output load impedance: 10 kilohms or more | | | | |
| Control input | For optional FP01 or FS01 | | | | |
| Display indicator | 2-digit, 7-segment LED | | | | |
| | tuning indicator parameter cursor indicator | | | | |
| Power requirements | Optional AC adapter: 9 V DC, 300 mA (Zoom AD-0006) | | | | |
| | Battery: 6LR61 9 V (alkaline) battery x 1 | | | | |
| | Battery life: approx. 4 h continuous operation | | | | |
| Dimensions | 147 (W) x 157 (H) x 48 (D) mm | | | | |
| Weight | 480 g (without batteries) | | | | |