

VINTAGE SOUND MODULE

FREE MANUAL DO NOT PAY FOR THIS!

Please do visit the SG01V center for more info and audio demos :)

WARNING

The SG01v is designed to be used in a standard household environment.

Power requirements for electrical equipment vary from area to area. Please ensure that your AC Adaptor supplied meets the power requirements in your area. If in doubt, consult a qualified electrician or Akai Professional dealer.

120 VAC

@ 60 Hz for USA and Canada

220~230/240 VAC @ 50 Hz for Europe

@ 50 Hz for Australia

PROTECTING YOURSELF AND THE SG01v

- Never touch the AC Adaptor with wet hands.
- Always disconnect the AC Adaptor from the power supply by pulling on the adaptor/plug, not the cord.
- · Allow only an Akai Professional dealer or qualified professional engineer to repair or reassemble the SG01v. Apart from voiding the warranty, unauthorized engineers might touch live internal parts and receive a serious electrical shock.
- Do not put, or allow anyone to put any object, especially metal objects, into the SG01v.
- · Use only a household AC power supply. Never use a DC power supply.
- If water or any other liquid is spilled into or onto the SG01v, disconnect the power, and call your dealer.
- · Make sure that the unit is well-ventilated, and away from direct sunlight.
- To avoid damage to internal circuitry, as well as the external finish, keep the SG01v away from sources of direct heat (stoves, radiators, etc.).
- Avoid using aerosol insecticides, etc. near the SG01v. They may damage the surface, and may ignite.
- Do not use denaturated alcohol, thinner or similar chemicals to clean the SG01v. They will damage the finish.
- Modification of this equipment is dangerous, and can result in the functions of the SG01v being impaired. Never attempt to modify the equipment in any way.
- Make sure that the SG01v is always well-supported when in use on a firm level surface.
- In order to assure optimum performance of your SG01v, select the setup location carefully, and make sure the equipment is used properly. Avoid setting up the SG01v in the following locations:
 - 1. In a humid or dusty environment
 - 2. In a room with poor ventilation
 - 3. On a surface which is not horizontal
 - 4. Inside a vehicle such as a car, where it will be subject to vibration
 - 5. In an extremely hot or cold environment

WARNING!!

To prevent fire or shock hazard, do not expose this appliance to rain or moisture.

1-En

CAUTION (Only for the product sold in Canada and U.S.A.)

To prevent electric shock, do not use this polarized AC power plug with an extension cord, receptacle, or other outlet unless the blades can be fully inserted to prevent blade exposure.

14-En

ATTENTION

Afin d'éviter tout risque de décharge électrique, n' utilisez pas cette prise polarisée avec une rallonge, une prise de courant ou autre sortie à moins que les lames puissent être complétement insérées et qu'elles ne soient plus visibles.

14-F

IMPORTANT

This equipment is fitted with an approved converter plug.

To change the fuse in this type of plug proceed as follows:

- 1) Remove the fuse cover and old fuse.
- 2) Fit a new fuse which should be a BS1362 5 Amp A.S.T.A. or BSI approved type.
- 3) Refit the fuse cover.

If the AC mains plug fitted to the lead supplied with this equipment is not suitable for your type of AC outlet sockets, it should be changed to an AC mains lead, complete with moulded plug of the appropriate type. If this is not possible, the plug should be cut off and a correct one fitted to suit the AC outlet. This should be fused at 5 Amps.

If a plug without a fuse is used, the fuse at the distribution board should not be greater than 5 Amp.

PLEASE NOTE: THE SEVERED PLUG MUST BE DESTROYED TO AVOID A POSSIBLE SHOCK HAZARD SHOULD IT BE INSERTED INTO A 13 AMP SOCKET ELSEWHERE.

The wires in this mains lead are coloured in accordance with the following code:

BLUE —NEUTRAL BROWN—LIVE

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, please proceed as follows:

The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK.

The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.

DO NOT CONNECT ANY WIRE TO THE PIN MARKED E OR \pm OR COLOURED GREEN OR YELLOW & GREEN WHEN WIRING THE PLUG.

Ensure that all the terminals are securely tightened and no loose strands of wire exist.

Before replacing the plug cover, make certain the cord grip is clamped over the outer sheath of the lead and not simply over the wires.

6F-En

This appliance is not equipped with a main power switch. Even when the appliance is turned off, the power supply to the appliance is not completely turned off when the power cord is plugged in. Pull out the adaptor when not using the appliance for long periods.

4-En

CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROYED BY THE MANUFACTURER FOR COMPLIANCE COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

32-En

FCC WARNING

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.

21B-En

AVIS POUR LES ACHETEURS CANADIENS DU SG01v

Le présent appareil numérique n'ément pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la Class B prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

27-F

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

27-En

FÜR KUNDEN IN DER BUNDESREPUBLIK DEUTSCHLAND

Bescheinigung von AKAI

Hiermit wird bescheinigt, daß das Gerät AKAI

SG01v

in Übereinstimmung mit den Bestimmungen der

Amtsblattverfügung 1046/1984

funkentstört ist.

Der Deutschen Bundespostwurde das Inverkehrbringen dieses Gerätes angezeigt und die Berichtigung zur Überprüfung der Serie auf Einhaltung der Bestimmungen eingeräumt. AKAI ELECTRIC CO., LTD.

17B-G

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WARRANTY

AKAI Electric Co. Ltd. warrants its products, when purchased from an authorized "AKAI professional" dealer, to be free from defects in materials and workmanship for a period of 12 (twelve) months from the date of purchase. Warranty service is effective and available to the original purchase only, and only on completion and return of the AKAI Warranty Registration Card within 14 days of purchase.

Warranty coverage is valid for factory-authorized updates to AKAI instruments and their software, when their installation is performed by an authorized AKAI Service Center, and a properly completed Warranty Registration has been returned to your "AKAI professional" dealer.

To obtain service under this warranty, the product must, on discovery of the defect, be properly packed and shipped to the nearest AKAI Service Center. The party requesting warranty service must provide proof of original ownership and date of purchase of the product.

If the warranty is valid, AKAI will, without charge for parts or labor, either repair or replace the defective part(s). Without a valid warranty, the entire cost of the repair (parts and labor) is the responsibility of the product's owner.

AKAI warrants that it will make all necessary adjustments, repairs and replacements at no cost to the original owner within 12 (twelve) months of the purchase date if:

- 1) The product fails to perform its specified functions due to failure of one or more of its components.
- 2) The product fails to perform its specified functions due to defects in workmanship.
- 3) The product has been maintained and operated by the owner in strict accordance with the written instructions for proper maintenance and use as specified in this Operator's Manual.

Before purchase and use, owners should determine the suitability of the product for their intended use, and owner assumes all risk and liability whatsoever in connection therewith. AKAI shall not be liable for any injury, loss or damage, direct or consequential, arising out of use, or inability to use the product.

The warranty provides only those benefits specified, and does not cover defects or repairs needed as a result of acts beyond the control of AKAI, including but not limited to:

- 1) Damage caused by abuse, accident, negligence.
- Damage caused by any tampering, alteration or modification of the product: operating software, mechanical or electronic components.
- Damage caused by failure to maintain and operate the product in strict accordance with the written instructions for proper maintenance and use as specified in this Operator's Manual.
- Damage caused by repairs or attempted repairs by unauthorized persons.
- Damage caused by fire, smoke, falling objects, water or other liquids, or natural events such as rain, floods, earthquakes, lightning, tornadoes, storms, etc.
- Damage caused by operation on improper voltages.

IMPORTANT NOTE: This warranty becomes void if the product or its software is electronically modified, altered or tampered with in any way.

AKAI shall not be liable for costs involved in packing or preparing the product for shipping, with regard to time, labor, or materials, shipping or freight costs, or time or expense involved in transporting the product to and from AKAI Authorized Service Center or Authorized Dealer.

AKAI will not cover under warranty an apparent malfunction that is determined to be user error, or owner's inability to use the product.

THE DURATION OF ANY OTHER WARRANTIES, WHETHER IMPLIED OR EXPRESS, INCLUDING BUT NOT LIMITED TO THE IMPLIED CONDITION OF MERCHANTABILITY, IS LIMITED TO THE DURATION OF THE EXPRESS WARRANTY HEREIN.

AKAI hereby excludes incidental or consequential damages, including but not limited to:

- 1) Loss of time.
- 2) Inconvenience
- 3) Delay in performance of the Warranty.
- 4) The loss of use of the product.
- Commercial loss.
- Breach of any express or implied warranty, including the Implied Warranty of Merchantability, applicable to this product.

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Introduction

Thank you for buying an AKAI SG01v Vintage Synthesizer Sound Module.

The instrument incorporates 256 sound selections from popular old synthesizers, which have been produced using a highly acclaimed sampling technology from AKAI S-series samplers. The half-rack sized module is, as a single channel sound module or 16-channel multi-timbral sound module, fully controllable from an external MIDI controller.

To fully use the SG01v, please read this operator's manual thoroughly before operations. Also, keep this manual in an accessible location for future reference.

In addition, any panel controls or pots are represented in bold uppercase characters in this manual.

Features

- Sound module with 32 polyphonic voices (30 voices with a reverb effect in use)
- · 256 preset realistic synth sounds and 2 sets of drum sounds
- · 16-channel multi-timbre feature
- · Sounds editing available using parameters like SHAPE, TONE, SPECIAL, etc.
- · 30 types of reverb effects with different effect send levels for 16 multi-timbral parts
- · Bulk dump feature for storing the sound settings onto an external MIDI sequencer, etc.

Panel Descriptions

Front Panel



Display

This three digit 7-segment LED display shows a program number of current selection, and in editing, parameter values, etc.

@ SELECT PROG.

When selecting a program, press this key and turn on the LED; The LED is initially turned on when the module is turned on. To select a program, press **DATA UP** or **DOWN** while holding down this key. Also, pressing a parameter key along with this key selects that parameter.

SHAPE (MIDI CH.)

Pressing this key to turn on the LED shows the SHAPE parameters (on page 15) for the current sound in the display. Pressing this key along with **SELECT PROG.** provides the MIDI channel selection display.

O TONE (MULTI)

Pressing this key to turn on the LED shows the TONE parameters (on page 16) for the current sound in the display. Pressing this key along with **SELECT PROG.** provides the Multi mode selection display.

G SPECIAL (TUNE)

Pressing this key to turn on the LED shows the SPECIAL parameters (on page 16) for the current sound in the display. Pressing this key along with **SELECT PROG.** provides the global tuning display for the whole module.

O LEVEL (FX LEVEL)

Pressing this key to turn on the LED provides the part level (on page 17) for the current sound in the display. Pressing this key along with **SELECT PROG.** provides the effect send level for the current sound in the display.

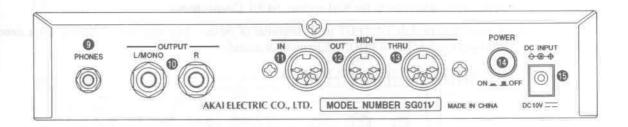
O DATA UP, DOWN

Use these keys to change a current value (program number, parameter value, etc.) shown in the display. Pressing the key and holding it down will change the value continuously; the change of value will become faster in two seconds.

10 MAIN VOLUME

Use this to adjust a whole level at OUTPUT and PHONES on the module.

Rear Panel



PHONES

Connect a pair of headphones here. Headphone volume is adjusted by MAIN VOLUME.

@ OUTPUT

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Sends out the module's internal sounds. Total volume is adjusted by MAIN VOLUME. When a mono sound is needed, connect only to L/MONO.

MIDI IN

Connect with MIDI OUT on an external MIDI keyboard or sequencer using a MIDI cable.

@ MIDI OUT

Connect with MIDI IN on an external MIDI sequencer using a MIDI cable, to save sound parameter values as MIDI exclusive data.

® MIDI THRU

Connect with MIDI IN on an external MIDI device to control together; The module outputs the data received at MIDI IN from here.

@ POWER

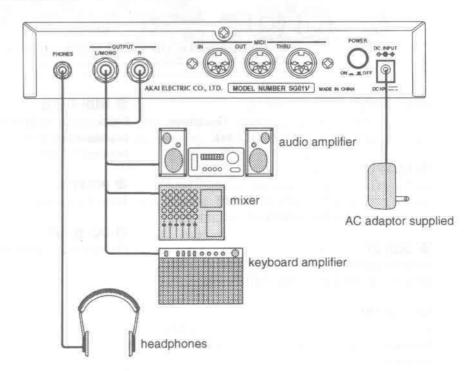
Turns the module on or off.

O DC INPUT

Connect the supplied AC adapter here.

Connections

- · Make sure the module and other equipment connected are all turned off.
- Connect external MIDI device required to MIDI ports on the module. As it varies depending on your MIDI application, also refer to the next section, MIDI Connection.
- Connect the module OUTPUT to an amplifier or mixer. You may adjust panning for a stereo effect.
 Connect headphones to PHONES to monitor sounds.

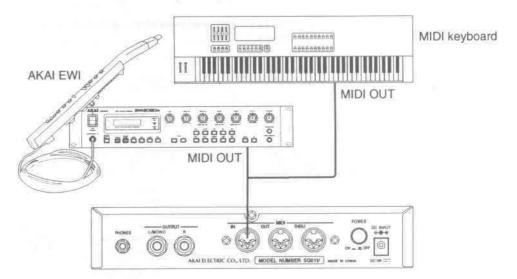


- BEFORE turning the module on, make sure again that all equipment is turned off and volume is completely turned down. It is necessary to protect speakers, etc.
- · Turn on the module.
- · Subsequently turn on the amplifier or mixer; Set the volume appropriately.

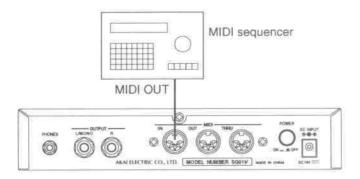
MIDI Connections

■ Connecting to a MIDI Controller

You can control the module as a single-channel MIDI sound source controlled from a MIDI keyboard or AKAI EWI system; Put the module in Single mode by setting MULTI to OFF.

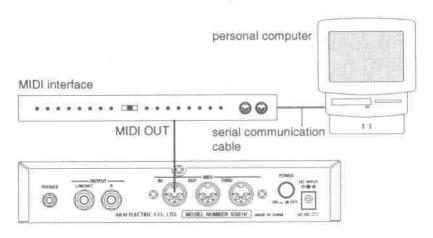


You can control the module as a multi-timbral MIDI sound source controlled from a MIDI sequencer; Put the module in Multi mode by setting MULTI to ON.



■ Using a MIDI Interface Unit

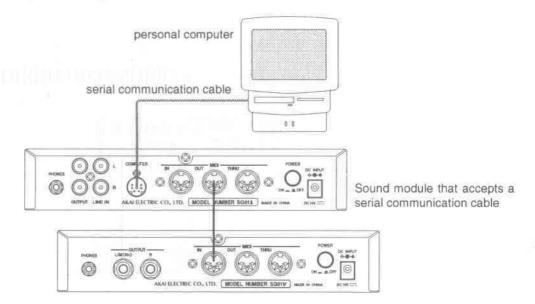
When controlling the module from a sequencing program on the computer, you need a MIDI interface unit that accepts a serial communication cable from the computer.



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■ Connecting to a GM Sound Module

Some GM sound modules like an AKAI SG01k has a dedicated port for serial communication with a computer. You can use it as a MIDI interface unit for the module if you control it from the MIDI sequencing program running on the computer.



Playing

Demo Mode

The module comes with 5 preset tunes for demonstration. You do not need any MIDI controller or setup for auditioning sounds in the module.

- Turning on the module with SHAPE, TONE and SPECIAL all held down gives [2] 1 in the display (Demo mode). When the module is turned on already, press SPECIAL along with LEVEL to have 5 ur in the display; Consecutively press DATA UP.
- · Pressing SELECT PROG. starts demonstration.
- Pressing SELECT PROG, a second time stops demonstration.
- · Pressing DATA UP or DOWN selects a demo tune.
- Pressing LEVEL brings the module back in Single mode or the previous mode before setting the Demo
 mode. If you used the module in Multi mode before Demo mode entry, any setting has been lost. So, be
 careful.

Note: The module MIDI ports do not function in Demo mode.

■ Preset Tune List

The module comes with the following 5 preset tunes to select.

- 1. The Episode
- 2. Winds
- 3. Dead Line
- 4. Nomado
- 5. Damage

Note: All demo tunes are copyrighted, so that it is prohibited to use them for any purposes except for an audition of sounds in the module.

7

Single Mode

In Single mode, you can use the module that accepts single MIDI channel signals from an external MIDI keyboard, AKAI EWI system, sequencer, etc.

1. Make connections as necessary.

Referring to the example on page 4 ~ 5, make required connections. Then turn on the equipment.

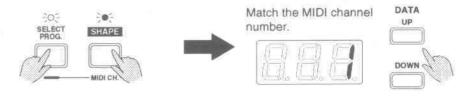
2. Put the module in Single mode.

Press MULTI along with SELECT PROG.; The SELECT PROG. LED blinks and MULTI LED is turned on. When the display shows on, press DATA DOWN to change to of F to cancel Multi mode (Single mode).



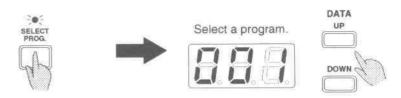
3. Set the MIDI channel.

Press MIDI CH. along with SELECT PROG.; The SELECT PROG. LED blinks and MIDI LED is turned on. Change the MIDI channel value shown in the display using DATA UP or DOWN to match that on the external MIDI controller connected to MIDI IN.



4. Select a program.

Press SELECT PROG.; The SELECT PROG. LED is turned on and other LEDs go off. Program selection is now possible by pressing DATA UP or DOWN.



5. Play with a current program.

Play with a current program using the MIDI controller connected. You can change programs using **DATA UP** or **DOWN** any time you like. Or, send a MIDI program change from the MIDI controller for remote program selection.

Every time the module receives an external MIDI signal, a dot in the display blinks.



Blinking shows that MIDI signal is received.

gle

Multi Mode

In Multi mode, the module can play a multi-part sequence data from an external MIDI sequencer or sequencing program running on the computer.

1. Make connections as necessary.

Referring to the example on page 4 ~ 6, make required connections. Then turn on the equipment.

2. Put the module in Multi mode.

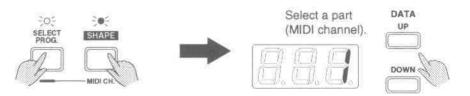
Press MULTI along with SELECT PROG.; The SELECT PROG. LED blinks and MULTI LED is turned on. When the display shows $_{Q}FF$, press DATA UP to change to $_{Q}G$ to put the module in Multi mode.



3. Assign a program to each of 16 parts.

In Multi mode, the module provides up to 16 parts for ensemble play. These 16 parts correspond respectively to 16 MIDI channels. You can choose a different program for each channel.

Press MIDI CH. along with SELECT PROG.; The SELECT PROG. LED blinks and MIDI LED is turned on; The display shows a MIDI channel value. Select a channel to assign a program using DATA UP or DOWN.



Press SELECT PROG. to turn on the SELECT PROG. LED. Select a program using DATA UP or DOWN.



Repeat this step for other channels.

4. Start the external sequencer or sequencing program on the computer. Every time the module receives a MIDI signal, a dot in the display blinks.



Blinking shows that MIDI signal is received.

■ Program Changes from the Sequencer

When using the module in Multi mode, it is easier to set the program selection from the sequencer or sequencer program on the computer rather than manually selecting each part.

If you program the MIDI program changes for 16 all parts at the beginning of a sequence data, the module will accept them and select specified programs every time you start that sequence.

For the actual programming, consult the manual of the sequencer in use and refer to the module MIDI implementation on page 25. In addition, MIDI program changes do not initialize the parameters, i.e. control changes including NRPN (Non-Registered Parameter Numbers).

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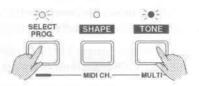
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Setups

Switching to Single/Multi Mode

The module should be put in an appropriate Play mode depending on how it is used; When you control it by a single channel using a MIDI keyboard for synth soloing, put the module in Single mode. In case controlling it by multiple channels using a MIDI sequencer, etc., put the module in Multi mode. The latter use is for a multi-part ensemble from the module.

 Press MULTI along with SELECT PROG.; The SELECT PROG. LED blinks and MULTILED is turned on.



2. Switch to Single/Multi mode using DATA UP or DOWN.







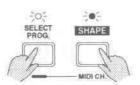
Selecting a MIDI Channel

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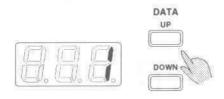
In Single mode, you specify the MIDI channel for external control here.

In Multi mode, a MIDI channel selection matches a part selection. So, you can select a part here to assign a program or edit it after selecting the corresponding MIDI channel.

 Press MIDI CH. along with SELECT PROG.; The SELECT PROG. LED blinks and MIDI LED is turned on.



2. Select a MIDI channel using DATA UP or DOWN.



Note: Initially in Multi mode, a part number matches a MIDI channel number. However, if you change a MIDI channel for a part using MIDI exclusive messages, the MIDI channel displayed will not match the initial part number. For more information about this, see page 27.

In Single mode, the MIDI channel displayed is always the one used to receive an external MIDI signal.

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Selecting a Program

A program selection in Multi mode requires a prior channel (part) selection. In Single mode, you do not care about this channel selection.

■ Selecting a Program

1. Press SELECT PROG. and the LED lights up. The display shows a current program number.



2. Select a new program using DATA UP or DOWN.



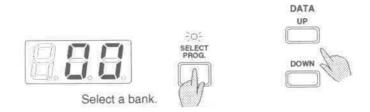
■ Selecting a Bank

The module employs 2 banks, "00" and "01", each containing 128 programs. The module also provides 2 drum banks, "dr1" and "dr2", each containing 2 drum or percussion sets.

3. Press SELECT PROG. and hold it down, the LED blinks and the display shows a current bank number.



4. Still holding down SELECT PROG., choose a bank using DATA UP or DOWN.



"dr1" and "dr2" containing 2 drum or percussion sets, "001" and "002".



You can consult the program list on page 21 or the drum sound list on page 22.

Editing a Program

You can edit a current sound with parameters such as SHAPE, TONE, SPECIAL, LEVEL and FX LEVEL. In Single mode, you can directly edit the current sound shown in the display. In Multi mode, you can edit 16 different sounds respectively.

Note: A parameter value you set in Single mode is memorized when the module is turned off. That value is valid only in Single mode and does not affect the sound in Multi mode. So, you should edit a sound in an appropriate mode. A parameter value you set in Multi mode CANNOT be memorized and will be lost if the module is turned off or switched to Single mode.

Note: Available values (value range) for a parameter may vary depending on the sound selection.

Note: On drum sounds, SHAPE, TONE, SPECIAL, have no effect.

♦ Key Parameter Editing System

As a general, you have to select an appropriate parameter to edit a sound program of a synthesizer or sampler, from an enormous range of sound parameters. To effectively edit a sound, you may often need certain knowledge or experience in sound creation.

For sound editing on the module, however, you do not need a special technique for sound editing because appropriate parameters for each sound are provided as 'key parameters', thus you can have them simply using the SHAPE, TONE and SPECIAL keys. Different key parameters are assigned to each sound. But all you need to edit a sound is always available by those three keys; SHAPE provides parameter options that adjust the sound envelope (attack, decay and release); TONE provides parameter options that adjust the sound tonal quality; SPECIAL provides unique parameters depending on the sound selected.

■ SHAPE—Adjusting a Sound Envelope

This parameter adjusts the sound's attack and release. It may have little effect over either attack or release depending on a sound you edit.

- In Single mode, select a program you want to edit. In Multi mode, select a part and program you want to edit.
- 2. Press SHAPE and turn on its LED.



3. Change the value in the display using DATA UP or DOWN.



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■ TONE—Adjusting a Sound Tonal Quality

This parameter adjusts the sound's tonal quality, dark to bright.

- In Single mode, select a program you want to edit. In Multi mode, select a part and program you want to edit.
- 2. Press TONE and turn on its LED.



3. Change the value in the display using DATA UP or DOWN.



■ SPECIAL—Adding a Characteristic Tone

This parameter provides unique parameters depending on the sound selected. You can have suitable effects to the sound using the parameter.

- In Single mode, select a program you want to edit. In Multi mode, select a part and program you want to edit.
- 2. Press SPECIAL and turn on its LED.



3. Change the value in the display using DATA UP or DOWN.



Hint: Some parameters may not give distinctive effects depending on the sound selected. Also, there are some value combinations that may affect one another (i.e. cut-off frequency and resonance). In such cases, you may need to try some value settings for a more effective result.

■ LEVEL—Adjusting a Sound Relative Level

This parameter adjusts the sound relative level because an absolute level is determined by MAIN VOLUME. That is, you can balance an output level of each sound program in Single mode whereas in Multi mode, you can balance part levels as using channel faders on a mixer.

- In Single mode, select a program you want to edit. In Multi mode, select a part and program you want to edit.
- 2. Press LEVEL and turn on its LED.



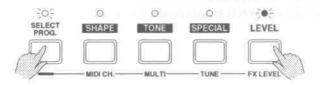
Change the value in the display using DATA UP or DOWN. The value range is 00 to 127. The minimum value mutes the sound.



FX LEVEL—Adjusting a Reverb Send Level

This parameter adjusts the send level to the built-in reverb effect for the sound. That is, you can set the send level of each sound program in Single mode whereas in Multi mode, you can balance the reverb levels among parts.

- In Single mode, select a program you want to edit. In Multi mode, select a part and program you want to edit.
- Press FX LEVEL along with SELECT PROG.; The SELECT PROG. LED blinks and FX LEVEL LED is turned on.



Change the value in the display using DATA UP or DOWN. The value range is 00 to 15. The minimum value adds no reverb effect to the sound.



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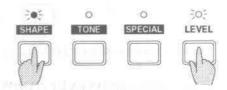
1.00

Note: You can change the reverb effect type by NRPN (Non-Registered Parameter Numbers: one of MIDI control changes). See page 27 for detailed information. Also, you can turn off the reverb effect by MIDI exclusive messages (See page 27.). When you turn off the reverb, the module can play up to 32 voices (normally 30 voices with the reverb on).

■ Resetting a Program

Parameter values you edit in Single mode are memorized when the module is turned off. If necessary, you can clear them for initial settings.

1. Press SHAPE along with LEVEL.



2. While LEVEL is held down, each pressing SHAPE toggles [L] and ALL. Select [L] to reset only the current program or ALL to reset all programs.







Resets all programs.

3. Press DATA UP to execute resetting. If you cancel it, press any key other than DATA UP.

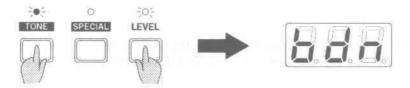


If you reset the whole parameters including those for programs to factory settings, turn on the module with **DATA UP** and **DOWN** both held down; The display shows $\mathcal{L} \mathcal{L}_{\mathcal{L}}$ and all factory settings are brought again.

■ Saving Parameter Settings onto an External MIDI Device

You can transfer parameter settings you made in Single mode as exclusive bulk data, onto an external MIDI sequencer or recorder. In addition, see page 27 for details of the system exclusive messages of the module.

- 1. Connect the module MIDI OUT port to the MIDI device MIDI IN port using a MIDI cable.
- 2. On the MIDI device that records bulk data, prepare for data reception.
- 3. Press TONE along with LEVEL; The display shows bdn.



4. Press DATA UP to transfer bulk data.

When you transfer the bulk data from the MIDI device to the module, connect the module MIDI IN port and the MIDI device MIDI OUT port using a MIDI cable; Then prepare that data and start playback on the MIDI device.

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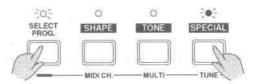
1.00

SG01v - Version 1.00

Tuning

You can adjust the whole pitch of the module when playing it together with other instruments.

 Press TUNE along with SELECT PROG.; The SELECT PROG. LED blinks and the TUNE LED is turned on.



2. Adjust the pitch value in the display using **DATA UP** or **DOWN**. The value range is -50 to 0 to +50; You can adjust the pitch by the cent (100 cents = 1 semitone).



Appendix

Program List

PC# : Program number

	PC#	Bank 00	Bank 01	
	1	MEGA BRASS	SWEEP#2	
	2	SWEEP#1	MYSTIX PAD 1	
	3	KILLER STR	MYSTIX PAD 2	
	4	HP SWEEP	SQUARE WOW	
	5	SILKYSTRING	EASTERN MOON	
	6	BIG PAD SWP	SQUARE SWELL	
	7	MILD BRASS	HARPISH#1	
	8	BAND PASSING	INVERT FILTI	
	9	OUTHER LIMITS	JUNOTRANCER1	
E	10	DRAMA	EPIC SYNTH#1	
SYNIH	11	FEED BACK	JUNOTRANCER2	
n	12	P-EVIL666 MW	TOUCH SYN#1	
	13	BIG FIFTH	KILLER STING	
	14	REZOSWEEP#1	JUNOTRANCER3	
	15	BIGSYNTH#1	DET SYNTH	
-	16	LFO FLTSWP#1	IMJ POLYSYN	
	17	REZON 8 SWP	M500SYNTH1MW	
	18	SEQ BUZZ	FLATMAN+REZ	
	19	TRILL-PAD#1	PERC SYNTH	
-	20	JX3P-POLARIS	ATTACK SYNTH	
+	21	SNAP BASS	FUNK BASS	
	22	3 OCTV BASS	RUBBER BASS	
-	23	KUBOTA BASS	BASSOMATIX	
-	24	SQUIDGY BASS	STACK BASS	
	25	OCTAVE BASS	BASSOLOGY	
-	26	SYNC BASS#1	SWEEP BASS	
-	11934	STEREO BASS	KNOCK BASS	
-	27	The state of the s	TB303 #1	
-	28	REZ BASS BUBBLEBASS	TB303 #2	
8	30	JUNORGBASS	BASS#6	
D'A	31	AN BIGBASS#1	BASS#7	
-	32	N-BERT CONTRACTOR CONTRACTOR	01110010	
-	33	MM BASS#1 MM BASS#2	BASS#9 BASS#10	
-	34	MM BASS#3	MM BASS#6	
-	35	MM BASS#4	MM BASS#7	
		ACCOUNT MANAGEMENT OF THE	100000000000000000000000000000000000000	
-	36	BASS #1 BASS #2	MM BASS#9 MM BASS#10	
-		The state of the s	MM BASS#11	
-	38	BASS#3	170077 EST SEED SEED SEED SEED SEED SEED SEED	
-	~~~	BASS #4	MM BASS#12	
+	40	BASS #5	KIMINIAITAI	
Į.	41	STACK EPF#1	FM E.PF	
-	42	DX EPF#1	SIMPLE DX EP	
	43	DX EPF#2	STACK EPP#2	
-	44	LA E.PNO#1	STACK EPF#3	
	45	WIRE E.PNO	E.PIANORGAN	
	46	D6 CLAV	SFT CLAV	
2	47	MUTED CLAV	ANA CLAV 3	
	48	HYPER CLAV	CLAVISYNTHI	
	49	MXR100 CLAV	THINCLAVIER	
_	50	CLAV #1	HARPSICHORD	
	51	P5+SOLENA	EPF STRPAD	
	52	PADDING	THICK PWM	
	53	DELICATE PAD	BUBBLEPAD	
	54	HI STR SYN#1	KILLER PAD	
	55	PEEPEEGEE PAD	BELL STRINGS	
	56	WARM PAD	DETUNE PAD	
3	57	SQUARE PAD	SMORKY PAD	
18. P	58	SAWTOOTH PAD	CRYSTAL-PAD	
	59	WARM FILTPAD	THICK PAD#1	
	60	JUNO PAD	TOMITA STR	
	61	OBIE X PAD	PWM PAD#1	
	62	STACK PAD	SMOOTH PAD#1	
	63	WIDE SAWPAD	DARK PAD#1	
			MELLOWNESS	

	PC#	Bank 00	Bank 01	
PADS	65	GLISTEN PAD	CHIFF PAD	
	66	MOOGY PAD	SMOOOOTH	
	67	PULSE PAD	PORY MOGUE	
	68	PROFIT PAD	ALMOST VOCAL	
	69	PPG ANALOGUE	ROUND PAD	
	70	BELL PAD	SO MELLOW	
	71	PPG CHIMES	SPIKE BASS	
	72	PPGSTING	PPG+ANLGBASS	
U	73	CLASSIC PPG 1	PPG TINGBASS	
PP	74	CLASSIC PPG 2	PPG BASS#1	
SS	75	CLASSIC PPG 4	METAL BASS	
DIGIBASS/PPG	76	PPG TINGLE	PPG BASS #2	
OIC	77	PPG PERC VOX	FM BASS #1	
hood	78	PPG VOCALISE	FM BASS #2	
		PPG CELESTE	FM BASS #3	
_	80	PPG BRITTLE	FM BASS #4 ANA BRASS1	
	81	SYNBRASS#1 ANA BRASS2	FUZZ BRASS	
	83	SFT BRASS2	SYNBRASS#2	
	84	SOFT BRASS3	BRASSY PAD	
(n)	85	OPEN SAWS	SQUARE BRASS	
BRASS	86	TRANCER BRS	WOW BRASS	
BR	87	ANA BRASS1	SWELL BRASS	
	88	EG BRASS #1	DUCK BRASS	
	89	AFT BRASS	SOFT BRASS#2	
	90	SOFT BRASS	MONSTER BRAS	
	91	STACK ORGAN	BELLS #1	
	92	ORGAN#1	BELL#2	
3,7	93	ORGAN JVT	BELL#1	
ORGAN/BELLS	94	FULL PIPES	MAGIC BELLS	
BE	95	MWHL LESLIE1	NIHON BELL	
Ž,	96	MWHL LESLIE2	ORIENTL BELL	
₹S	97	5TH ORGAN	SLOWBELL PAN	
Ö	98	CHURCH ORGAN	SMALLBELL	
	99	CLICKY ORGAN	BIG BELL	
	100	PHASEY ORGAN	HOLD THE KEY	
	101	VP330+SELINA	TOMITA VOX1	
H	102	REAL ARP ENS	VOX HUMANA	
STRINGSYNTH/VOICE	103	HARD STR SYN	VOXY#1	
S	104	PHASE STRSYN	CELEST VOX1	
E	105	RHAPSODY STR	VOICES#1	
SX	106	SOFT SERINA	SOLO SOPRANO	
ž	107	OCTV SERINA STEREO ENSMB	EERY VOX PAD	
X	100	Action to the Control of the Control	VOXY PPG	
5830	110	P5+STR SYNTH OMNI STRINGS	VOICE STACK	
-	111	FUNK LEAD1	THICK LEAD #2	
	112	LEAD LINE#1	ANA WHISTLE	
	113	LEAD LINE#2	POWER LEAD	
	114	LEAD LINE#3	ONDES MARTIN	
岁	115	FLUTEY	HAMMER LEAD	
EADLINE	116	PULSE LEAD	SOFT MOGUE	
EA	117	PORTASYNC	PLAIN LEAD	
	118	FIFTH SYNC#1	AWAKE MAN	
	119	VELO GLIDE#1	PORTALEAD	
	120	THICK LEAD	SEXY LEAD	
	121	HOWELLING	SAMPLE+HOLD	
	122	NOISE BURST	SWEEP STORM	
	123	TUNED NOISE	MISTY STORM	
-	124	COMPUTER SHI	ALLEATORIC	
SEX	125	COMPUBLEEP	FLANGED NOIZ	
	126	SPACE BELL	VCS SWEEP #1	
	127	TOTALY RANDM	S+H DRONE MW	
-	Barrier Control	A STATE OF THE PARTY OF THE PAR	EXPLOSION	

Drum Sound List

		BANK dr1/dr2		
		PC #001	PC #002	
	27	BLIP#1	BLIP#1	
E0	28	PLATE-	PLATE-	
	29	BLIP#2	BLIP#2	
	30	SCRATCH-	SCRATCH-	
	31	SYN. RIM	SYN. RIM	
-	32	MM CLIC C2	MM CLIC C2	
	33	MM CLIK C5	MM CLIK C5	
	34	BLIP#2	BLIP#2	
	35	SYN. KĬCK	SYN. KICK	
C1	36	SDS5 KICK3	SDS5 KICK3	
	37	SIDE STICK	SIDE STICK	
	38	SYN, SNRE 2	SYN. SNRE 2	
	39	SYN, CLAPS	SYN. CLAPS	
	40	SIM. SNRE	SDS5 SNARE9	
	41	MID AC TOM	SIM. SNRE	
	42	SYN, CL-HAT	SYN. CL-HAT	
	43	MID AC TOM	SIM. SNRE	
-	44	SYN. HLF-HAT	SYN, HLF-HAT	
	45	MID AC TOM	SIM. SNRE	
	46	SYN. OP-HAT	SYN. OP-HAT	
	47	MID AC TOM	SIM. SNRE	
C2	48	MID AC TOM	SIM. SNRE	
	49	CRASH	CRASH	
	50	MID AC TOM	SIM. SNRE	
-	51	RIDE SYMBAL	RIDE SYMBAL	
	52	CRASH	CRASH	
	53	RIDE SYMBAL	RIDESYMBAL	
	54	TAMBOURINE	TAMBOURINE	
1,7	55	CRASH	CRASH	
-	56	COMBELL	COWBELL	
	57	CRASH	CRASH	
	58	FINGER SNAPS	FINGER SNAPS	
	59	RIDE SYMBAL	RIDESYMBAL	

PC# : Program number

		BANK dr1/dr2		
		PC #001	PC #002	
C3	60	HI CONGA SL	HI CONGA SL	
98	61	HI CONGA SL	HI CONGA SL	
	62	LO CONGA SL	LO CONGASL	
-	63	HI CONGA OP	HI CONGA OP	
	64	LOW CONGA OP	LOW CONGA OP	
	65	TIMBAL	TIMBAL	
	66	TIMBAL	TIMBAL	
	67	AGOGO 1	AGOGO 1	
-	68	AGOGO 1	ACOGO 1	
100	69	SYN. MARACAS	SYN. MARACAS	
	70	MARACAS	MARACAS	
_	71			
C4	72	POWER KICK	POWER KICK	
~	73	SYN. RIM	SYN. RIM	
	74	POWER SNRE	POWER SNRE	
-	75	BIG CLAP	BIG CLAP	
	76	SDS5 SNARE9	SDS5 SNARE9	
	77	MID E.TOM	MIDETOM	
100	78	CL HAT	CLHAT	
10	79	MID E.TOM	MID E TOM	
	80	HLF HAT	HLF HAT	
-	81	MID E.TOM	MID E.TOM	
-	82	OP HAT	OP HAT	
	83	MID E.TOM	MID E.TOM	
C5	84	MID E.TOM	MID E.TOM	
	85	CRASH	CRASH	
-	86	MID E.TOM	MID E.TOM	
	87	RIDE SYMBAL	RIDE SYMBAL	
	88	WHITE NOISE	WHITE NOISE	
	89			
	90	BLIP#2	BLIP#2	
×-	91	SYN. LO-CONGA	SYN. LO-CONGA	
- 10	92	SYN. COWBELL	SYN. COWBELL	
	93	SYN. LO-CONGA	SYN, LO-CONGA	
	94	SYN CLAVES	SYN. CLAVES	
	95	SYN. LO-CONGA	SYN, LO-CONGA	

■ Tonal Effects

Mono-legato sound programs, synth bass, etc., may not be played in a correct pitch depending on the
playing style.

Mono-legato is an effect for a monophonic sound, with which pressing 2 keys legato effectively changes the pitch without a new trigger for the latter key (single trigger, mono trigger).



However, a mono-legato program can be played staccato for multiple triggers.



- When Portamento Switch (on page 25) is active, sounds may not be played in a correct pitch depending on the playing style.
- When Portamento Switch (on page 25) is active, Portamento Time "0" value causes a minimum
 portamento time and does not turn off the portamento effect. If you turn off the effect, you need to
 inactivate Portamento Switch.
- Soft Pedal may have no effect over some sound programs.
- Control changes including NRPN have different effects or no effect over some sounds even when an
 identical value is set for the same parameter.
- A maximum or minimum setting of Pan (on page 25) does not always put the sound in the leftmost or rightmost position.

23

Reverb List

No.	Name	Decay	Damp	Delay	Diffuse	Hi Cut	Width
1	SG ROOM 1	0	75	0 mS	80	80	85
2	SG ROOM2	20	65	45 mS	65	80	90
3	SG ROOM 3	40	70	65 mS	75	85	95
4	SG HALL 1	75	80	80 mS	75	75	99
5	SG HALL 2	55	99	55 mS	99	95	99
6	SG PLATE 1	40	99	10 mS	99	90	99
7	TIGHT ROOM	45	60	34 mS	55	35	99
8	RICH PLATE	5	75	30 mS	99	99	99
9	SOFT PLATE	20	72	20 mS	99	15	99
10	SOFT ROOM	0	95	99 mS	99	35	95
11	FLUTTER HALL	10	29	54 mS	99	90	95
12	SMALL HALL	15	80	80 mS	75	75	99
13	BRIGHT HALL	35	90	105 mS	95	99	99
14	SOFT HALL	15	99	90 mS	75	14	99
15	WAREHOUSE 1	85	85	0 mS	99	83	99
16	SMALL HALL 2	0	99	35 mS	99	35	95
17	BRIGHT PLATE	1	99	30 mS	99	99	9
18	METAL ROOM	0	0	93 mS	32	99	99
19	SHAFT 1	31	57	360 mS	99	35	99
20	SHAFT 2	72	6	360 mS	99	35	99
21	CATHEDRAL	67	64	75 mS	15	32	99
22	TILED ROOM	67	29	67 mS	26	99	9
23	METAL SLAP	69	13	360 mS	17	99	99
24	VOCAL PLATE	50	16	10 mS	61	27	99
25	BOXED IN	52	2	86 mS	49	42	9
26	SNARE PLATE	35	22	40 mS	16	57	99
27	METAL SLAP	91	10	179 mS	46	53	99
28	NIGHT CLUB	57	99	12 mS	75	43	99
29	CORRIDOR	70	65	10 mS	55	13	99
30	AMBIENCE	56	96	10mS	56	4	20

- · When the module is turned on, "#1 SG ROOM I" is automatically chosen.
- The reverb type is possible to change using an NRPN (Non-Registered Parameter Numbers: one of control changes); See page 27 for detailed information.
 Also, you can turn off the reverb effect by MIDI exclusive messages (on page 27); The module can play

up to 32 voices (normally 30 voices with the reverb on) when you turn off the reverb.

· Reverb parameters cannot be edited.

MIDI Messages

MIDI Implementations

MIDI message descriptions in this section use following lowercase characters. Numerals are all described in hexadecimals (decimal integers in brackets).

: channel number ()~F (1~16 in the display) n 0~F (1~16 in the display) : part number 00-7F (0~127) kk : note number pp : program number 00-7F (0-127) cc : control number 00-7F (0-127) 00~7F (0~127) : 7-bit data VV mm : 14-bit data MSB 00~7F (0~127) : 14-bit data LSB 00~7F (0~127) 11 00-7F (0-127): dummy xx : Don't care 00~7F (0~127) : check sum SS

The module receives the following MIDI messages. They may have different effects or no effect depending on the sound type. In addition, 'current notes' refers to ones that are being played out.

[Channel Voice Messages]

Note Off

8n kk vv

A Note Off is recognized as vv=40 (64).

Note On

9n kk vv

'vv=0' is recognized as a Note Off.

Control Change

Bn cc vv

See "Control Change messages".

Program Change

Cn pp

A program for pp is selected. Current notes are held in a last program.

Channel Pressure

Dn vv

vv=00~7F (0~127)

Pitch Bend Change

En li mm

II, mm=00, 00~40, 00~7F, 7F (-8192~0~+8191)

[Control Change Messages]

 Switching to Single/Multi mode resets all Control Change parameters.

Bank Select

Bn 00 mm

A bank for mm is selected. The bank selection is valid for the next program change.

Modulation

Bn 01 vv

vv=00~7F (0~127)

Modulation depth.

Portamento Time

Bn 05 vv

vv=00~7F (0~127)

Pitch change rate with Portamento Switch On.

Data Entry

Bn 06 mm

mm=00-7F (0-127)

Parameter number for RPN/NRPN. See RPN and NRPN for details.

Volume

Bn 07 vv

vv=00~7F (0~127)

LEVEL parameter value.

Pan

Bn 0A vv

vv=00~40~7F (0~64~127: Left-Center-Right)

A default value is 40 (64). Pan settings for rhythm notes are specified by NRPN. Some programs cannot be put in the leftmost or rightmost position.

Expression

Bn OB vv

vv=00~7F (0~127)

A default value is 7F (127).

General Control #1

Bn 10 vv

vv=0E-40-72 (-50-0-+50)

SHAPE parameter value.

Some programs cannot be affected.

General Control #2

Bn 11 vv

vv=0E~40~72 (-50~0~+50)

TONE parameter value.

Some programs cannot be affected.

General Control #3

Bn 11 vv

vv=0E-40~72 (-50~0-+50)

SPECIAL parameter value,

Some programs cannot be affected,

Sustain Pedal

Bn 40 vv

vv=00-3F (OFF), vv=40-7F (ON)

Portamento Switch

Bn 41 vv

vv=00~3F (OFF), vv=40~7F (ON)

Some programs cannot be properly affected.

Sostenuto Pedal

Bn 42 vv

vv=00)-3F (OFF), vv=40~7F (ON)

Soft Pedal

Bn 43 vv

vv=00-3F (OFF), vv=40-7F (ON)

Some programs cannot be affected.

Effect Depth

Bn 5B vv

vv=00~7F (0-127)

FX LEVEL parameter value.

NRPN LSB

Bn 62 II

II=00~7F (0~127)

LSB (Least Significant Byte) for NRPN.

See NRPN for details.

NRPN MSB

Bn 63 mm

mm=00~7F (0~127)

MSB (Most Significant Byte) for NRPN

See NRPN for details.

RPN LSB

Bn 64 II

1I=00-7F (0-127)

LSB (Least Significant Byte) for RPN.

See RPN for details.

RPN MSB

Bn 65 mm

mm=00~7F (0~127)

MSB (Most Significant Byte) for RPN.

See RPN for details.

[Channel Mode Messages]

All Sounds Off

Bn 78 00

Mutes all sounds currently played out.

Reset All Controllers

Bn 79 00

Sets default values to controllers, Pitch Bend Change, Sustain Pedal, Portamento Switch, Soft Pedal, Sostenuto Pedal, Modulation, Expression, RPN and NRPN.

All Notes Off

Bn 7B 00

Mutes sounds played by Note On messages. It does not mute sounds held by Sustain Pedal and Sostenuto Pedal; They are muted when such pedal switches turned OFF.

[RPN (Registered Parameter Numbers)]

An RPN is specified with a 14-bit data composed of MSB and LSB, followed by its 7-bit value (data MSB).

You can describe it in the order as RPN MSB, RPN LSB, Data MSB, in hexadecimals, in which the following RPNs are shown. However, you should fully describe them out with control change status messages. That is, a Pitch Bend Sensitivity value is specified as: Bn 65 00 Bn 64 00 mm (mm: data MSB)

In addition, an RPN value is reset when you switch to Single/Multi mode

Pitch Bend Sensitivity

00 00 mm

mm=00~18 (0~24)

Pitch bend range for increase or decrease, (unit: semitone, up to 24 semitones)

A default value is 02 (2 semitones).

Fine Tune

00 01 mm

mm=0E~40~72 (-50~0~+50)

Fine tuning value. (unit: cent, 100 cents=1 semitone)

Coarse Tune

00 02 mm

mm=28-40-58 (-24-()-+24)

Coarse tuning value. (unit: semitone)

RPN Reset

7F 7F xx

xx: No data MSB or 7-bit dummy data

Resets RPN to be unspecified. Current RPN values in the module memory are not changed.

[NRPN (Non-Registered Parameter Numbers)]

An NRPN is specified with a 14-bit data composed of MSB and LSB, followed by its 7-bit value (data MSB).

You can describe it in the order as NRPN MSB, NRPN LSB, Data MSB, in hexadecimals, in which the following NRPNs are shown. However, you should fully describe them out with control change status messages. That is, an LFO Rate Offset value is specified as: Bn 63 01 Bn 62 08 mm (mm: data MSB)

In addition, an NRPN value is reset when you switch to Single/Multi mode.

LFO Rate Offset

01 08 mm

mm=0E-40-72 (-50-0-+50)

LFO rate offset value added to its default rate.

LFO Depth Offset

01 09 mm

mm=0E-40-72 (-50-0-+50)

LFO depth offset value added to its default depth.

LFO Delay Offset

01 0A mm

mm=0E-40-72 (-50-0-+50)

LFO delay offset value added to its default delay.

Filter Cut-off Offset

01 20 mm

mm=0E~40~72 (-50~0~+50)

Filter cut-off frequency offset value added to the default frequency.

• Filter Resonance Offset

01 21 mm

mm=0E-40-72 (-50-0-+50)

Filter resonance level offset value added to the default level.

Envelope Attack Offset

01 63 mm

mm=0E-40-72 (-50-0-+50)

Envelope attack time offset value added to the default value.

Envelope Decay Offset

01 64 mm

mm=0E-40-72 (-50-0-+50)

Envelope decay time offset value added to the default value.

Envelope Release Offset

01 66 mm

mm=0E~40~72 (-50~0~+50)

Envelope release time offset value added to the default value.

Drum Pitch Coarse

18 kk mm

kk=00-7F (0-127, MIDI note number)

mm=0E-40-72 (-50-0-+50)

Specifies the instrument pitch assigned to kk.

Drum Volume

1A kk mm

kk=00-7F (0-127, MIDI note number)

mm=0E~40-72 (-50~0-+50)

Specifies the instrument volume assigned to kk.

Drum PAN

1C kk mm

kk=00-7F (0-127, MIDI note number)

mm=0E-40-72 (-50-0-+50)

Specifies the pan setting for an instrument assigned to kk.

Drum Reverb Depth

1D kk mm

kk=00-7F (0-127, MIDI note number)

mm=0E-40~72 (-50-0-+50)

Specifies the reverb send level for an instrument assigned to kk.

Reverb Select

00 01 mm

mm=00~1E (0~30)

Specifies the reverb type for the whole module. See page 24 for a reverb type available.

NRPN Reset

7F 7F xx

xx: No data MSB or 7-bit dummy data

Resets NRPN to be unspecified. Current NRPN values in the module memory are not changed.

■ System Exclusive Messages

[Universal System Exclusive Massages]

GM System On

F0 7E 7F 09 01 F7

Puts the module in Multi mode and initializes all performance parameters.

GM System Off

F0 7E 7F 09 02 F7

Puts the module in Single mode and restores previous sound edit parameters.

[System Exclusive Messages for AKAI SG01 Series]

System Exclusive messages commonly used to AKAI SG01 series sound modules are described in the following format. All bytes are described in hexadecimals.

Byte	Explanation
FO	System Exclusive Status
47	AKAI manufacturer ID
10	Exclusive Channel (fixed)
fn	Function Code
5D	Model ID (SG01)
vv	Data
VV	Data

EOX (End of Exclusive)

Request Bulk Dump

Byte Explanation

F0 System Exclusive Status

47 AKAI manufacturer ID

10 Exclusive Channel 00 Function Code=00

5D Model ID (SG01)

bb Bank Number (00~7F)

pp Program Number (00-7F)

F7 EOX (End of Exclusive)

Requests the module to transmit sound parameter values (bulk data) for the program specified. The module transmits that data after receiving the Request Bulk Dump message.

Bulk Dump Data Set

Byte

22.7.00	- Barrier Committee Commit
FO	System Exclusive Status
47	AKAI manufacturer ID
10	Exclusive Channel
01	Function Code=01

01 Function Code=01

Evalenation

5D Model ID (SG01) bb Bank Number (00-7F)

pp Program Number (00–7F)

vv Data: SHAPE (0E~40~72)

vv Data: TONE (0E-40-72)

vv Data: SPECIAL (0E-40-72)

vv Data: LEVEL (00~7F)

vv Data: FX LEVEL (00~0C)

F7 EOX (End of Exclusive)

The module transmits the requested data in this format. It also accepts data in this format and replaces with the current parameter values in memory.

Reverb On

F0 47 10 42 5D 40 00 06 vv F7 vv=00 (OFF), 1 (ON)

SG Reset

F0 47 10 42 5D 40 00 7F 00 F7 Same operation as GM System On.

Master Volume

F0 47 10 42 5D 40 00 04 vv F7

vv=00~7F (0~127)

Master volume level for the whole module.

Master Key Shift

F0 47 10 42 5D 40 00 05 vv F7

vv=28-40-58 (-24-0-+24)

Master transposition value for the whole module. (unit; semitone, up to ± 24 semitones)

Reverb Macro

F0 47 10 42 5D 40 01 30 vv F7

vv=00-1E (0-30)

Same operation as Reverb Select of NRPN.

Part Reception Channel

F0 47 10 42 5D 40 Ir 02 vv F7

r=1, 2, 3... 9, 0, A, B, C... F (1-16 in the display, part number)

vv=00-0F (1-16 in the display, MIDI channel)

Specifies a MIDI reception channel (vv) for a part (r).

When vv is over 0F, that part will not receive any MIDI channel messages.

Part Level

F0 47 10 42 5D 40 Ir 19 vv F7

r=1, 2, 3... 9, 0, A, B, C... F (1-16 in the display, part number) vv=00-7F (0-127)

Same operation as Volume of Control Change messages.

[System Exclusive Messages for Other Products]

The module recognizes and accepts other System Exclusive messages in the following format.

Byte Explanation

System Exclusive Status F0

41 Manufacturer ID

10 Device ID

42 Model ID

Command ID 12

Address MSB aa

bb Address LSB

Data MSB CE

dd Data LSB

Check Sum 88

F7 EOX (End of Exclusive)

Check Sum is the value which makes the lower 7 bits of sum becomes "0" when Address, Data values and Check Sum are added (2's complement of a value made by adding Address value and Data value). For Reset command that follows, its Check Sum value is calculated as:

(80-40)+(80-00)+(80-7F)+(80-00)=41 So the value makes 41.

Reset

F0 41 10 42 12 40 00 7F 00 41 F7 Same operation as GM System On.

Master Volume

F0 41 10 42 12 40 00 04 vv ss F7 vv=00~7F (0~127)

Master volume level for the whole module.

Master Key Shift

F0 41 10 42 12 40 00 05 vv ss F7

vv=28-40-58 (-24-0-+24)

Master transposition value for the whole module. (unit: semitone, up to ±24 semitones)

Reverb Macro

F0 41 10 42 12 40 01 30 vv ss F7

vv=00~1E (0-30)

Same operation as Reverb Select of NRPN.

Part Reception Channel

F0 41 10 42 12 40 1r 02 vv ss F7

r=1, 2, 3... 9, 0, A, B, C... F (1-16 in the display, part number)

vv=00~0F (1~16 in the display, MIDI channel)

Specifies a MIDI reception channel (vv) for a part (r).

When vv is over 0F, that part will not receive any MIDI channel messages.

Another Rhythm Part

F0 41 10 42 12 40 1r 15 vv ss F7

r=1, 2, 3... 9, 0, A, B, C... F (1~16 in the display, part number) vv=00, 01, 02

Specifies a part (r) as a rhythm part (vv).

When vv is set to 00, that part will be a normal part.

Part Level

F0 41 10 42 12 40 Ir 19 vv ss F7

r=1, 2, 3... 9, 0, A, B, C... F (1~16 in the display, part number) vv=00-7F (0-127)

Same operation as Volume of Control Change messages.

SG01v MIDI Implementation Chart

Date:SEP.1995 Version 1.00

Function	l	Transmitted	Recognized	Remarks
Basic Channel	Default Changed	O 1	O 1 O 1-16	Memorized
Mode	Default Messages Altered	X	Mode 3	
Note Number	NAMES OF THE PROPERTY OF THE P	X	21-127 4-127	
Velocity	Note on Note off	X X	O 9nV=1-127 O 8nV=64	
Aftertouc	h Key's Ch's	x x	x x	
Pitchbeno	t	X	0	0-24 semitone steps (8-bit resolution)
Control change	0 1 5 7 10 11 16 - 18 64 65 66 67	x x x x x x x x x	O O O O O O O O O O	Bank Select Modulation-wheel Portament Time Volume Panpot Expression Generic Control Sustain pedal Portament Pedal Sostenuto Pedal Soft pedal
riogianii	True No.	******	1*120	by Preset number Value
System E	xclusive	0	0	AKAI ID: 47H SG01 ID: 5DH
System Common	: Song position : Song select Tune	x x x	X X X	
System Real time	: Clock : Commands	X X	X X	
Aux Messages	: Local ON/OFF s: All Notes OFF : Active Sense : Reset	X X X	X O (123) X X	

Mode 1 : OMNI ON, POLY Mode 2 : OMNI ON, MONO Mode 3 : OMNI OFF, POLY Mode 4 : OMNI OFF, MONO

O:Yes X: No

Specifications

Model : SG01v Vintage Synthesizer Sound Module

Sound System : 16 bit Linear Sampling

Sound Programs : 256 Synth Sounds, 2 sets Drum/Percussion Sounds

Polyphony : 32 (30 with Reverb in use)

Sound Parameters: SHAPE, TONE, SPECIAL, LEVEL, FX LEVEL

Panel Controls : SELECT PROG., SHAPE, TONE, SPECIAL, LEVEL, DATA UP & DOWN,

MAIN VOLUME

Connectors : PHONES (1/8-inch stereo phone jack) 1

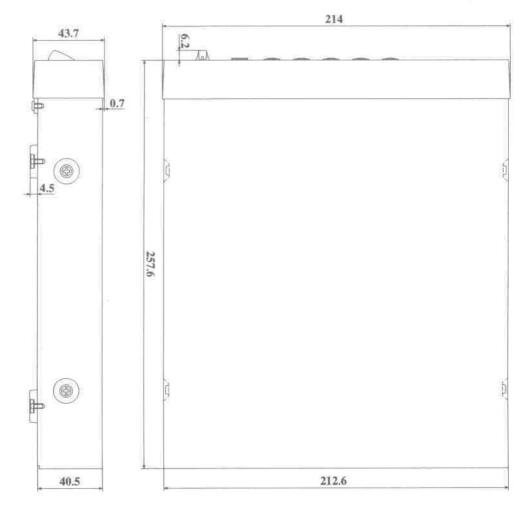
Power Source : 10 VDC

Accessories : AC adapter (10 VDC converter, 800 mA).......1

Operator's Manual 1

Weight : 1.4 kg (without attachment)

Dimensions :



^{*} Above specifications are subject to change without notice.