YAMAHA

QuickStart

PURE TONE IS JUST A STOMP AWAY

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⊛ YAMAHA

YAMAHA DG STOMP

The DG Stomp is an innovative digital preamp with multiple effects in a rugged stomp box design. In addition to capturing the world's greatest tube amp tones, this powerful processor provides state-of-the-art multiple effects such as Compressor, Chorus, Flanger, Phaser, Rotary, Tremolo, Tape Echo, Reverb, Wah, 16 Speaker Simulations, and much more.
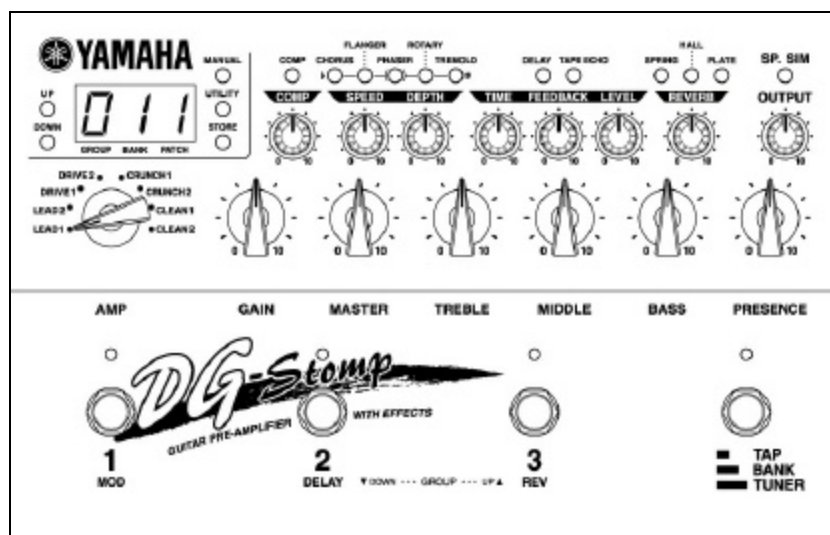
PRODUCT FEATURES

- Rugged Stomp Box Design
- 180 Patch Locations (90 User/90 Preset)
- 8 Modern and Vintage Amp Types
- 16 Modern and Vintage Speaker Cabinet Types
- 14 Effects (Compression, Modulation, Delay, Reverb, Wah)
- Guitar Tuner
- Tap Tempo Delay
- Expression Pedal Input
- Built-In Pedalboard
- Digital Output
- MIDI In/Out

$499.00
MSRP

PANEL OVERVIEW

Designed for the recording and peforming guitarist, a simple row of knobs and buttons makes programming a breeze. The DG Stomp top panel is divided into three sections:

DISPLAY and EFFECTS

The upper section features the main display, global buttons including manual, utility, and store - plus effects buttons and knobs for easy editing of the effects and speaker cabinet types.
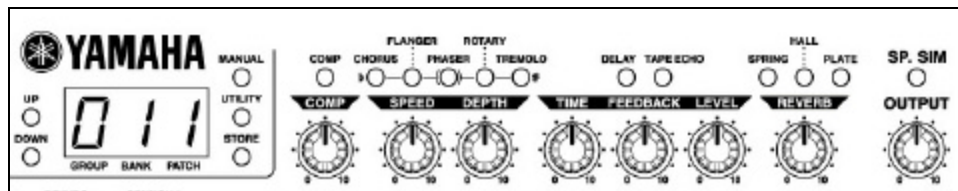
PREAMP and TONE CONTROLS

The middle section features an amp selector for choosing 1 of 8 amp types and tone control knobs for guitar-friendly editing of the preamp sound.
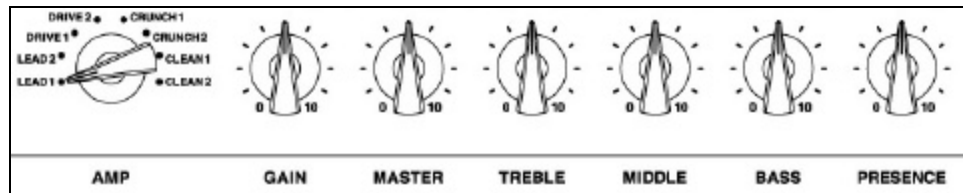
FOOTSWITCHES

The bottom section features four footswitches that allow you to change patches, turn effects on and off, access the tuner, and use Tap Tempo Delay.

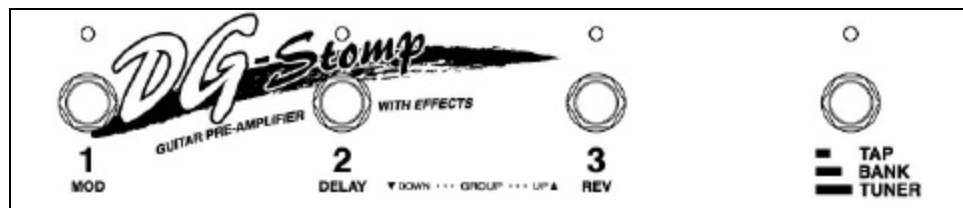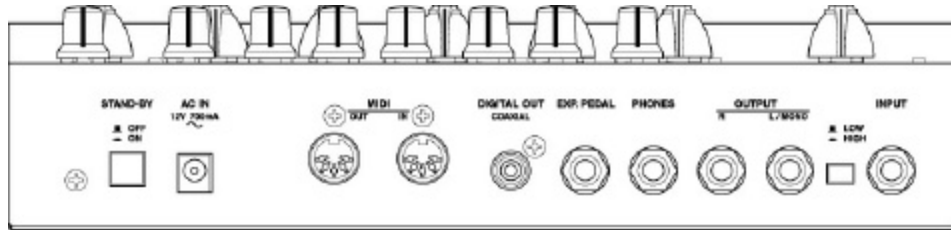The back panel features analog, digital, and MIDI connections, power switch, input attenuato, and an AC adapter connection. Analog inputs and outputs require 1/4" audio cables, MIDI In and Out use standard MIDI cables, and the digital output requires a coaxial cable.

BACK PANEL

POWER BUTTON	For turning the power ON or OFF
AC ADAPTER INPUT	For connecting a Yamaha AC-10 1000ma power adapter
MIDI OUTPUT	For connecting a MIDI cable to MIDI INPUT of an external MIDI device
MIDI INPUT	For connecting a MIDI cable from the MIDI OUTPUT of an external MIDI device
DIGITAL OUTPUT	For connecting a coaxial cable to digital input on an external digital mixer or recorder
EXPRESSION INPUT	For connecting an expression pedal such as a Yamaha FC-7
HEADPHONE INPUT	For connecing a pair of headphones
STEREO OUTPUTS	For connecting to STEREO INPUT on an external mixer, power amp or two guitar amplifiers
INPUT ATTENUATOR	For adjusting the INPUT LEVEL from high output or low output guitar pickups
GUITAR INPUT	For connecting a 1/4" guitar audio cable from the guitar

USING THE TUNER

The built-in chromatic tuner allows you to tune easily. The modulation effect buttons light up when the tuning mode is activated.

1. Press the [TUNER] footswitch and hold it down for 1 second.
2. Pick an open guitar string.
3. You will notice the note name appear in the display, and the modulation buttons begin blinking.
4. If tuned sharp, the [ROTARY] and/or [TREMOLO] light will appear.
5. If tuned flat, the [FLANGER] and/or [CHORUS] light will appear.
6. When in tune, the [PHASER] light will appear.
7. Press the [TUNER] footswitch again when guitar tuning is complete. This will return you to the [PLAY] mode.

IN TUNE

FLAT b

SHARP #
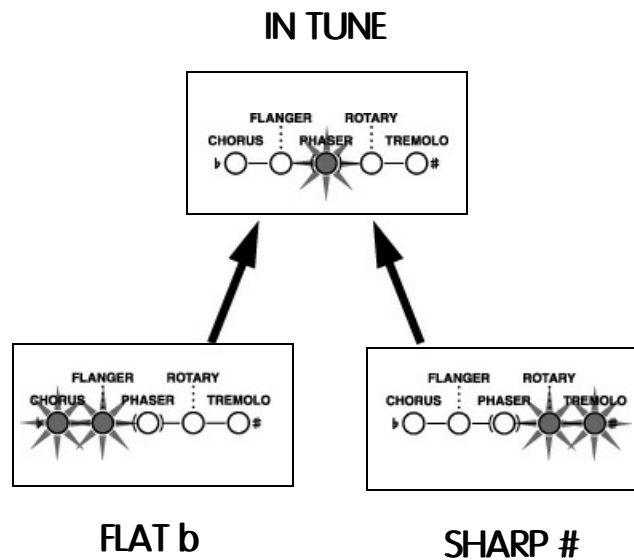
AUDITIONING SOUNDS

The Yamaha DG Stomp includes 180 patch locations (sounds) created by world-renowned guitarists Kenny Greenberg and Jerry McPherson.

USING THE BUTTONS

To audition the sounds with the UP and DOWN buttons:

1. Press the [UP] button for Patch Increment.
2. Press the [DOWN] button for Patch Decrement
3. Press and Hold the [UP] button for Group Increment.
4. Press and Hold the [DOWN] button for Group Decrement
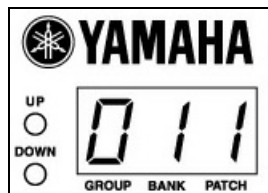
Here's just a few of the 180 patches in the DG Stomp. Check 'em out!

PATCH DEMO

NO.	PATCH NAME	EFFECTS					SP SIM	STYLE
011	True Brit	LEAD2			DELAY		British 4x12	British Anniversary stack
012	LA clean	CLEAN2		CHORUS	DELAY	SPRING	British 4x12	Rich Clean Sound
013	Follow Me	DRIVE1	COMP		TAPE ECHO		Modern 4x12	Rock
021	Mellow Man	CLEAN1	COMP			HALL	American 1x12	Jazz
022	George Town	CRUNCH1	COMP	ROTARY	DELAY		YAMAHA 1x12	60s-style rhythm with rotary
023	Large Muff	LEAD1		CHORUS	DELAY	HALL	Hybrid 2x12	Smooth Lead Sound
031	Space Ranger	LEAD2		PHASER	DELAY	HALL		Experimental
032	Black Sunday	LEAD1		FLANGER			British 4x12	Heavy Metal
033	Funky Flange	CLEAN1	COMP	FLANGER	DELAY		Modern 1x12	Funk
111	Santa Ana	LEAD1				HALL	American 1x12	Rock/Fusion Fat Lead Sound
112	Van Hallo	LEAD2			DELAY		American 4x12	Heavy Metal
113	Punchy Drive	DRIVE1				SPRING	American 1x12	Rock Blues

CHANGING PATCHES

Group Bank Numbers

The patches are arranged in two areas: 90 User and 90 Preset. Each of the 90 patch sets are stored into 10 **Groups** consisting of 3 **Banks** with 3 **Patches** in each. This format is commonly used in order to access larger numbers of patches using a limited number of footswitches.

```
┌─────────────────────────────────────────┐
│         10 USER GROUPS                    │
│                                           │
│         10 PRESET GROUPS                  │
│                                           │
│   BANK 1        BANK 2        BANK 3      │
│   PATCH 1       PATCH 1       PATCH 1     │
│   PATCH 2       PATCH 2       PATCH 2     │
│   PATCH 3       PATCH 3       PATCH 3     │
└─────────────────────────────────────────┘
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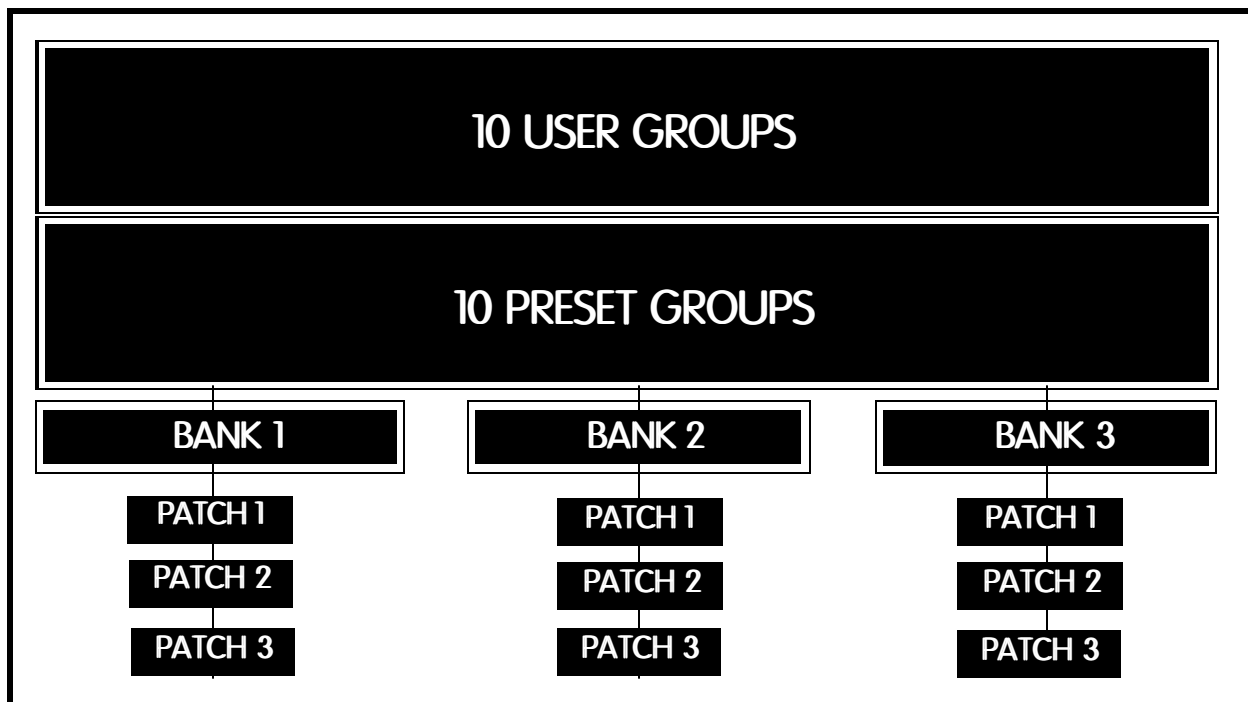
Patch Numbers

Each patch in the DG Stomp is represented with three digit numbers such as [111]. The first number is the Group, second number is the Bank, and the third number is the Patch.

To select patch numbers:

1. Press footswitch number 1 to call up the first patch:
   [011] Group 0/Bank 1/Patch 1
2. Press footswitch number 2 to call up the second patch:
   [012] Group 0/Bank 1/Patch 2
3. Press footswitch number 3 to call up the third patch:
   [013] Group 0/Bank 1/Patch 3

90 User + 90 Preset = 180 Total Patches

Banks

The DG Stomp includes 3 Patches in each of the 3 Banks. The first 3 patches are located in the first bank, while additional patches are stored in the remaining two banks. To access additional banks:

1. Hold footswitch number 4 down for 1 second to access the next [BANK].
2. Press footswitch 2 to select [BANK 2].
3. Press footswitch number 1 to select first patch in [BANK 2]:
    [021] Group 0/Bank 2/Patch 1
4. Press footswitch number 2 to select second patch in [BANK 2]:
    [022] Group 0/Bank 2/Patch 2
5. Press footswitch number 3 to select third patch in [BANK 2]:
    [023] Group 0/Bank 2/Patch 3
6. Hold footswitch number 4 down for 1 second to access the next [BANK].
7. Press footswitch 3 to select [BANK 3].
8. Press footswitch number 1 to select first patch in [BANK 3]:
    [031] Group 0/Bank 3/Patch 1
9. Press footswitch number 2 to select second patch in [BANK 3]:
    [032] Group 0/Bank 3/Patch 2
10. Press footswitch number 3 to select third patch in [BANK 3]:
    [033] Group 0/Bank 3/Patch 3

Groups

The DG Stomp contains 10 User Groups and 10 Preset Groups. The User Groups are located from [011] to [933] and can be changed and used to store your custom sounds. The Preset Groups are located from [0.11] to [9.33], and can be distinguished by a small dot after the first number.

To change the Groups:

1. To select the next series of patchs and bank, you must change [GROUPS].
2. Hold footswitch number 4 down for 1 second.
3. Hold footswitch number 2 down to access [GROUP DOWN[or footswitch 3 for [GROUP UP].
4. Release footswitch when the desired group number is located
5. Press footswitch number 1 to select [BANK 1] in the new group.
6. Press footswitch number 1 to select [PATCH 1] in the new bank.

The Yamaha DG Stomp includes 8 of the world's greatest modern and vintage amplifier types and 14 effects including various types of modulation, delay, and reverb. The amp types and tone controls can be selected and/or edited using a simple row of knobs and buttons.

PREAMP KNOBS
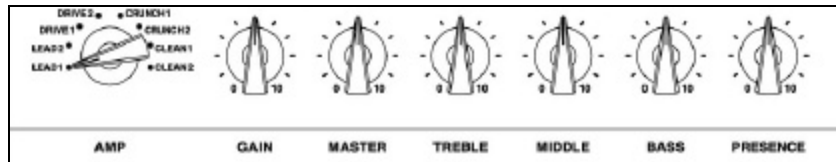
NORMAL MODE
There are two modes used to edit parameters. The first is Normal Mode:

Up/Down Indicators

When editing an existing patch in real time, there will be a point that must be reached while turning the knob, before your new setting will take effect . The [UP] or [DOWN] button will light up at the same time the parameter value flashes in the display until you reach the point of the preset parameter. Once you reach that point, your new setting will take effect, the button light will stop flashing, and the display will show the new parameter value.

MANUAL MODE
The second and most popular method of editing is called [MANUAL MODE]. You can edit the preamp and effects in real time much like a stompbox. Once you engage Manual Mode, all of the parameters reflect the existing position of the knobs and NOT the preset patch.

Selecting An Amp Type

1. Press MANUAL button.
2. Turn the PREAMP selector knob to one of the 8 pre-amp types (see AMP DESCRIPTION).

Using The Tone Controls

1. You can shape the tone of each amp type with the designated knob. Grab the knob and turn it to the desired position. Simple!

AMP DESCRIPTIONS

Lead 1
The first amp type is similar to a classic British stack. Great for high gain, classic rock sound.
Lead 2
With more dip in the midrange, fatter lows, and screamin' highs, Lead 2 is killer for modern heavy-rock sounds.
Drive 1
Awesome tone for a classic rock rhythm sound with more midrange and a classic small box sound.
Drive 2
Shimmering highs, punchy midrange, and rich low end. Use this for all styles of rock and blues.
Crunch 1
A warm, versatile American crunch sound. Great for all styles!
Crunch 2
Sweet, vintage tone that really boogies! Excellent for expressive guitar solos with the right amount of gain.
Clean 1
Rich, vibrant sound perfect for a wide variety of clean sounds.
Clean 2
Cool midrange punch, nice touch of overdrive lends this amp type to blues, country, and funk styles. Clean 2 is similar to a classic American combo amp.

SPEAKER CABINETS

When connecting a guitar preamp directly to a mixer, speaker simulation is required for achieving a live speaker cabinet type sound. The DG Stomp includes 16 of the world's greatest modern and vintage speaker cabinet types that can be used with any of the 8 amp models. The speaker cabinet models (see SPEAKER CABINET DESCRIPTION) include various types of 1x12, 2x10, 2x12, 4x10, and 4x12 types:

1. Press the [UTILITY] button, then set the amp selector switch to the [CRUNCH2] position.
2. Use the [UP/DOWN] buttons to select [SP SIM] mode:
   [GLb] - The speaker simulator is always on.
   [PrG] - The speaker simulator is switched [ON/OFF] according to the patch setting.
   [oFF] - The speaker simulator is always off.
3. Press the [UTILITY] button again to return to [PLAY] mode.
4.. While holding the [SP SIM] button down, press the [UTILITY] button.
5. To select speaker simulation type use the [[UP or DOWN] buttons.
6. Press the [UTILITY] button again to return to [PLAY] mode.

SPEAKER CABINET DESCRIPTIONS

A42 : American Modern 4x12
b42 : British Classic 4x12
m42 : Modern 4x12
Y42 : YAMAHA 4x12
H42 : Hybrid 4x12
A22 : American Modern 2x12
b22 : British Classic 2x12
m22 : American Vintage 2x12
Y22 : YAMAHA 2x12
H22 : Hybrid 2x12
A12 : American Modern 1x12
m12 : Modern 1x12
Y12 : YAMAHA 1x12
H12 : Hybrid 1x12
410 : American Vintage 4x10
210 : Amercian Vintage 2x10

EFFECTS

The DG Stomp is home to some of the world's finest effects including Compression, Modulation, Delay, Reverb, and Wah. Each can be easily edited using the buttons and knobs.

1. Locate the desired effect.
2. Press the button. When lit, the effect is turned ON; and when not lit, the effect is OFF.
3. Turn the knob to change the desired parameter.
4. Using the [UP or DOWN] button, select the patch number you want to store your changes in.
5. Press [STORE] once, then [STORE] again.

Effects Knobs and Buttons
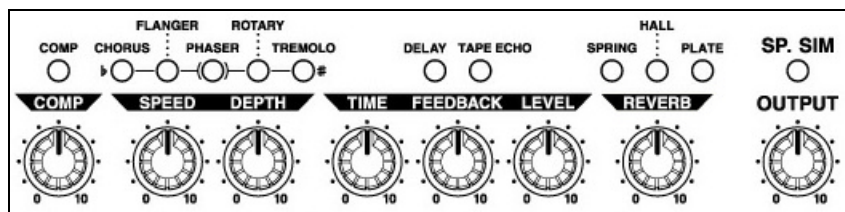
ADDITIONAL EFFECTS PARAMETERS
The DG Stomp features two additional parameters for the Chorus, Flanger, Phaser, Tremolo, and Rotary. You can access these parameters by holding the effects button down while turning the two knobs in the modulation effects block.

1. Locate the LED that is lit for the desired effect.
2. Press the designated button for the desired effect. When lit, the effect is on; and
   when not lit, the effect is off.

Compressor
Adds a nice smooth characteristic and sustain to heavy gain leads and ultra clean, rhythimic sounds.
Chorus
Rich, stunning chorus similar to vintage analog chorus effects.
Flanger
Great dramatic effect with sweeping modulation movement.
Phaser
Awesome for funk or rock lead styles.
Rotary
Dual speeds, high and low speaker spinning sound!
Tremolo
Sounds like that old Trem Amp from the 1960s.
Hi Fi Delay
Contemporay delay sound with lots of highs.
Tape Echo
Vintage delay, with roll off on the high end, similar to tape based echoes from years past.
Spring Reverb
Great model of vintage spring reverb without the spring noise!
Hall Reverb
Stunning reverb with long decay.
**Plate Reverb**
Sweet reverb with medium decay.
Wah
Programmable parameters allow modern and vintage style wah using an optional Yamaha FC7 expression pedal.

TAP TEMPO DELAY

The Tap Tempo Delay allows you to set the tempo (speed) of the delay effect in real time with one of the footswitches.

To use Tap Tempo Delay:

1. Turn the DELAY to the ON position or select a patch with delay.
2. Step on the tap tempo switch, four times to the desired tempo.
3. You will notice the red light above the switch begin to blink to the tempo you tapped.

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    O

   (○)

   ▬  TAP                 ——————  Tap Tempo Switch
   ▬▬  BANK
   ▬▬▬  TUNER
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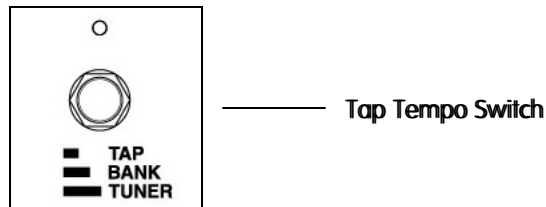
COOL TIP:

SOUND ON SOUND DELAY

You can achieve an interesting type of sound-on-sound delay using the delay and expression pedal assigned to specific parameters of the delay.

1. Turn the [DELAY] effect ON on by pressing the [TAPE ECHO] button.
2. Turn the [DELAY TIME] knob up to 10.
3. Turn the [DELAY FEEDBACK] knob up to 10.
4. Turn the [DELAY LEVEL] knob to the "2 o'clock" position.
5. Play a guitar riff once. After you have played the lick, it will start repeating.
6. Turn the [DELAY LEVEL] knob from "2 o'clock" back to "0".
7. Begin playing over the repeating lick.

After you played the "lick" using the [Clean 2] amp setting, turn the amp select dial to [LEAD 1] and solo over the clean lick with a distortion sound. Make sure you don't select another memory patch when doing this, or your "looped lick" that is repeating will disappear.

HANDS FREE CONTROL

Try using an expression pedal for hands free control of the DELAY LEVEL. See the section of this guide on USING AN EXPRESSION PEDAL.

The [DELAY LEVEL] control can be assigned to a Yamaha FC7 expression pedal. When pushed down 3/4 of the way, it will simulate the "2'oclock" setting of the [DELAY LEVEL] knob, allowing you to play your riff, back it off all the way, so the "level" setting goes to "0" and play over your lick.

EFFECT MODE

Effect mode allows you to use three of the footswitches to turn effects on and off. While in the EFFECT MODE, pedals 1 through 3 are dedicated to Modulation, Delay, and Reverb ON and OFF functions.

You can also use the footswitches for changing patches, accessing the tuner and controlling Tap Tempo Delay.

FOOTSWITCHES
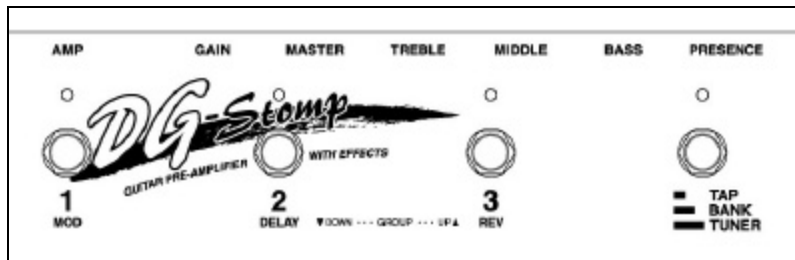
To assign the global function for effects mode:

1. Press the [UTILITY] button.
2. Turn the [AMP SELECT] knob to [LEAD 1] selection.
3. Press the UP or DOWN buttons to change the display to read [EFF]
4. Once you notice [EFF] appear in the display, the footswitches will now be assigned
    to turn the effects on and off.
5. Press [UTILITY] to return to [PLAY MODE].
6. Press the first footswitch to see Modualtion Light appear. The effect will be on.
7. Press the second footswitch for Delay and the third switch for Reverb.

USING AN EXPRESSION PEDAL

The DG Stomp can also be used in conjunction with an optional Yamaha FC7 Expression Pedal for real time control of the effects, preamp, and wah.
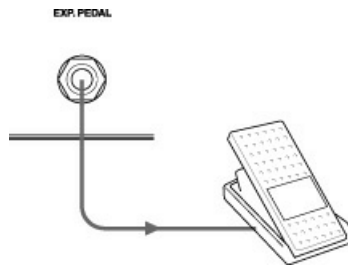
EXP. PEDAL

USING AN EXPRESSION PEDAL
You can assign a Yamaha FC-7 expression pedal to control up to 8 effects at once.

1. Plug the FC7 into the Exp. Pedal INPUT jack.
2. Simultaneously hold down [MANUAL] and [UTITLITY] buttons. [Ctl] will appear in the display.
3. Press the [COMP] button to view control numbers. The FC7 can control up to 8 parameters. Use the [UP/DOWN] buttons to select amount of parameters to be controlled.
4. Press the [CHORUS] button, use [UP/DOWN] buttons to select [EP].
5. Press the [FLANGER] button, use [UP/DOWN] buttons to select the desired effect to be controlled by the FC7 (See below).

SELECTING ADDITIONAL PARAMETERS	
UUH	Use as a wah pedal
b.Pr	Volume (pre preamp)
A.Pr	Volume (post preamp)
A.rE	Volume (post reverb)
trE	Tone Control (TREBLE)
nnd	Tone Control (MIDDLE)
bAS	Tone Control (BASS)
PrE	Tone Control (PRESENCE)
CP	Compressor Effect's COMP setting
SPd	Modulation Effect's SPEED setting
dPt	Modulation Effect's DEPTH setting
SP2	The secondary parameter of the Modulation Effect's SPEED knob
dP2	The secondary parameter of the Modulation Effect's DEPTH knob
ti	Delay Effect's TIME setting
Fb	Delay Effect's FEEDBACK setting
LE	Delay Effect's LEVEL setting
rE	Reverb Effect's LEVEL setting
OFF	Off (no control)

6. Press the [PHASER] button, use [UP/DOWN] buttons to select a minimum control value of [00.0]
7. Press the [ROTARY] button, use [UP/DOWN] buttons to select a maximum control value of [10.0]
8. Press [UTILITY] button to return to [PLAY] mode.

PROGRAMMING THE WAH

The DG Stomp also allows you to control Wah Wah using the same expression pedal. When using a Yamaha FC7 you can have the WAH turned on, but will not be activated until you press down hard on the toe position. The pedal will lightly click and turn the wah effect on.

To patch the expression pedal for controlling the wah, use the following procedure:

### PROGRAMMING AN EXPRESSION PEDAL TO CONTROL WAH

1. Plug the FC7 into the Exp. Pedal INPUT jack.
2. While in PLAY mode, press the MANUAL and UTILITY buttons simultaneously. "CEL" will appear in the display.
3. Press the [COMP] button. By using the [UP and DOWN] buttons, you can choose from one of the eight wah patch control settings.
4. Press the [CHORUS] button. With the [UP and DOWN] buttons, scroll choose "EP" for the Expression Pedal. "EP" will appear in the display.
5. Press the [FLANGER] button. With the [UP] and DOWN buttons, scroll and choose [UUH] for [WAH] pedal. [UUH] will appear in the display.
6. Press the [PHASER] button to set the minimum parameter value. Use the [UP and DOWN] buttons to set values.
7. Press the [ROTARY] button to set the maximum parameter value. Use the [UP and DOWN] buttons to set values.
8. Press the [UTILITY] button to return to play mode. The [WAH] will now be ready for use.

NOTE: You can turn the Wah ON/OFF by pressing on the toe of the expression pedal until it clicks.

CONNECTING A MIDI PEDALBOARD

Although the DG Stomp has a built-in footcontroller, you can connect a MIDI pedalboard such as the Yamaha MFC10 for even more control and flexibility. The MFC10 includes 10 footswitches for changing patches, a function switch for changing controller modes, and an expression pedal for controlling volume and other parameters via MIDI.

YAMAHA MFC10 MIDI PEDALBOARD
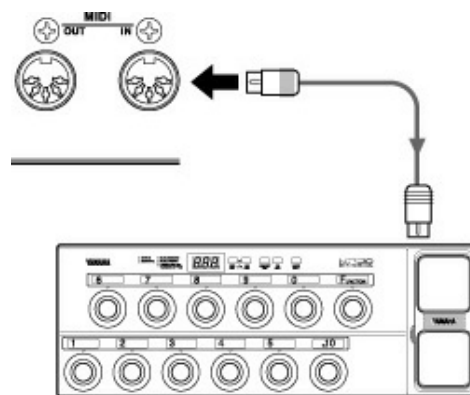
To connect an MFC10 MIDI Foot Controller to the DG Stomp:

1. Connect a MIDI cable from MIDI OUT on the pedalboard to MIDI IN on the DG Stomp.
2. Press footswitch number 1 on the pedalboard to call up patch [011] on the DGStomp.
3. Press footwitch number 2 on the MIDI pedalboard to call up patch [012] and so on.

NOTE:
One advantage of having an MFC10 is that you can have instant access to 10 patches at a time (instead of 3) before having to press the function pedal to get to the next round of patches.

SAVING PATCHES VIA MIDI

If you enjoy creating sounds and want to back them down, you can do so via MIDI with an external sequencer such as the Yamaha MDF3 MIDI Data Filer. With the MDF3, you can save the 90 user patches onto a floppy disk and re-load them at a future time.

YAMAHA MDF3 MIDI DATA FILER
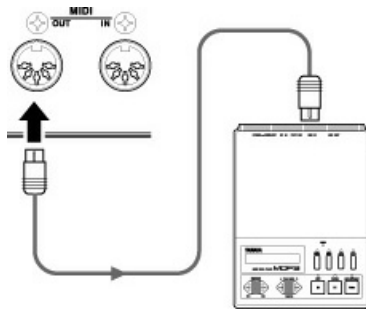
Saving Patches To The MDF3

1. Connect a MIDI cable from MIDI OUT on the DG Stomp to MIDI IN on the Yamaha MDF3 or MIDI sequencer.
2. Press the [UTILITY] button and set the amp selector knob to the [Lead 2] position, [nnd] will appear in the display.
3. Press the [TAPE ECHO] button. [ALL] will appear in the display.
4. Press RECORD/PLAY on the external sequencer.
5. Press the [STORE] button to dump all 90 of the user patches from the DG Stomp.

YOU CAN ALSO SAVE INDIVIDUAL PATCHES TO AN EXTERNAL SEQUENCER:

1. Press the [SPRING] button and select the patch number you want to save using the [UP/DOWN] button.
2. Press RECORD/PLAY on the external sequencer.
3. Press the [STORE] button to save the individual patch.
4. Press STOP on the sequencer. The DG Stomp will return to [PLAY] mode once the data has been sent.

Loading Patches From The MDF3

All current data in the 90 user locations will be erased after re-loading patches.

1. Connect a MIDI cable from MIDI OUT on the MDF3 to MIDI IN on the DG Stomp.
2. Press PLAY on the external sequencer.
3. The data will immediately overwrite any existing data in the 90 User Patche locations.

RE-INTIALIZATION

The process of re-initializing returns the DG Stomp to its original factory settings.

1. Turn the POWER OFF.
2. Hold down the [UP] and [DOWN] buttons simultaneously and turn the POWER ON.
3. The DG Stomp should now return to the original factory settings.

ALL INFORMATION STORED IN THE USER GROUPS WILL BE ERASED AFTER RE-INITIALIIZING