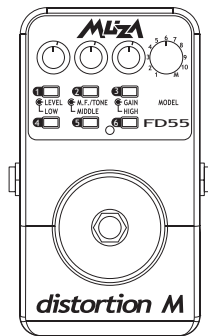


# MUSA

## FD55

DIGITAL MODELING GUITAR  
DISTORTION PEDAL



Instruction Manual

## IMPORTANT NOTES

Thank you very much for purchasing this Digital Modeling Guitar Distortion Pedal. You are recommended to study this manual carefully before using the unit.

- This unit could be operated either by a 9V battery or by a 9V adaptor.
- Before connection, please ensure the battery has been properly installed and all power devices such as amplifiers must first be turned off, in order to avoid any malfunction.
- Avoid using this unit together with same circuit of electronic products that will generate line noises.
- Do not place this unit too close to heat sources such as radiators and amplifiers in order to prevent damages like interference.
- Do not expose this unit under excessive sunlight, water and moisture.
- Strong vibration and shocks will damage this unit.
- Clean this unit with a soft and dry cloth. A slightly dampened cloth with mild detergent might remove stubborn dirt.
- Never use thinners and alcohol for cleaning the unit.
- Grab the unit firmly while unplugging the cables, never pull the audio cables with stress.

## MAIN FEATURES

- 10 distortion models based on 10 popular distortion pedals.
- 6 patch memories to store your favorite tones.
- Footswitch for bypass and patch selection.
- The LED indicators show you either the status of each selected knob for easy and clear manipulation or lets you know which memory patch have you been selected when the Storage mode is selected.
- Delicate appearance and user-friendly.
- Lightweight and tiny for easy transportation.
- 9V battery power supply.

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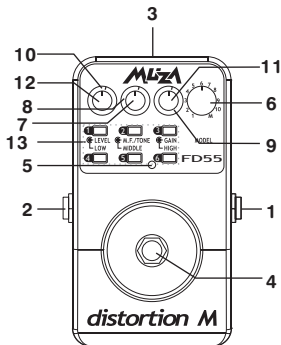
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## PANEL



### Knob/Jack Setting

#### 1.INPUT Jack:

Connect your guitar to this jack. Connect a guitar cable to this jack for power supply when using a battery.

#### 2.OUTPUT Jack:

Connect this output jack to your guitar amplifier.

#### 3.POWER Jack:

Plug the 9V power adaptor into this jack.

#### 4.FOOTSWITCH:

Press the switch to turn the effect on and off for patch memory selection.

#### 5.ON/OFF LED:

Indicates the on/off status of the unit.

**6.MODEL Knob:**

Select one distortion model among the 10 models, or to select the patch memory function.

**7.MIDDLE Knob:**

Some distortion models allow you to manipulate the MIDDLE tone; the LED of this selection will be light up accordingly.

**8.M.F./TONE Knob:**

If the current distortion model has M.F. (Middle Frequency) or Tone modulation, the LED of M.F./TONE will be lighted up accordingly.

**9.HIGH Knob:**

If the current distortion model allows you to manipulate the HIGH tone, the LED of this selection will be lighted up accordingly.

**10.LOW Knob:**

If current distortion model allows you to manipulate the LOW tone, the LED of this selection will be lighted up accordingly.

**11.GAIN Knob:**

Turn this knob clockwise to adjust the GAIN.

**12.LEVEL Knob:**

Controls the output LEVEL of the selected effect.

**13.PATCH MEMORY Buttons:**

Press any of the PATCH MEMORY buttons to store your favorite tones to one of the six patch memory buttons (When the "MODEL" knob on the M position is selected).

MUZA FD55 distortion M+ is a digital modeling guitar distortion stomp pedal, simulating 10 famous guitar distortion tones. It also includes the storage function, allows you to store and recall up to 6 patch memories.

### DISTORTION MODEL

MODEL No.	CATEGORY	BRAND	DISTORTION MODEL
1	OverDriver	IBANEZ®	TS808 (TUBE SCREAMER®)*
2	Distortion	MXR®	M-104 (distortion+)*
3		BOSS®	DS-1 (DISTORTION)*
4	Fuzz	DUNLOP®	FUZZFACE™*
5		ELECTRO-HARMONIX®	BIG MUFF π™*
6	Rat	ProCo™	VINTAGE RAT™*
7	Grunge	DOD®	FX69 (GRUNGE®)*
8	Metal	IBANEZ®	SM7 (SMASH BOX®)*
9		BOSS®	MT-2 (METAL ZONE®)*
10		DOD®	FX86 (DEATH METAL™)*

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## MODELS INTRODUCTION

### Model 1: IBANEZ® TS808 TUBE SCREAMER®

**Introduction:** This model is based on IBANEZ® TS808 TUBE SCREAMER®. TS808 is famous for delivering a warm, natural tube overdrive sound. Also it is a way to boost your signal without adding a lot of distortion.

**Knobs:**

FD55'S KNOBS	TS808'S KNOBS
GAIN	OVERDRIVE
M.F./TONE	TONE
LEVEL	LEVEL

## Model 2: MXR<sup>®</sup> M-104 distortion+

**Introduction:** This model is based on MXR<sup>®</sup> M104 distortion+, the classic distortion tone which sounds very vintage.

**Knobs:**

FD55'S KNOBS	M-104'S KNOBS
GAIN	DISTORTION
LEVEL	OUTPUT

## Model 3: BOSS<sup>®</sup> DS-1 DISTORTION

**Introduction:** This model is based on BOSS<sup>®</sup> DS-1, the best-selling distortion pedal of BOSS<sup>®</sup>, one of Steve Vai's favorites.

**Knobs:**

FD55'S KNOBS	DS-1'S KNOBS
GAIN	DIST
M.F./TONE	TONE
LEVEL	LEVEL

### Model 4: DUNLOP® FUZZFACE™

**Introduction:** This model is based on DUNLOP® FUZZFACE™, the classic sound of fuzz, Jimi Hendrix's favorite.

**Knobs:**

FD55'S KNOBS	FUZZFACE'S KNOBS
GAIN	FUZZ
LEVEL	VOLUME

### Model 5: ELECTRO-HARMONIX® BIG MUFF $\pi$ ™

**Introduction:** This model is based on ELECTRO-HARMONIX® BIG MUFF  $\pi$ ™, warm and wild, provides abundant sustain of tone.

**Knobs:**

FD55'S KNOBS	BIG MUFF $\pi$ ™'S KNOBS
GAIN	SUSTAIN
M.F./ TONE	TONE
LEVEL	VOLUME

**Model 6: ProCo™ VINTAGE RAT™**

**Introduction:** This model is based on ProCo™ VINTAGE RAT™, a unique tone between FUZZ and DISTORTION.

**Knobs:**

FD55'S KNOBS	VINTAGE RAT™'S KNOBS
GAIN	DISTORTION
M.F./TONE	FILTER
LEVEL	VOLUME

**Model 7: DOD® FX69 GRUNGE®**

**Introduction:** This model is based on DOD® FX69 GRUNGE®. Although it's called GRUNGE®, the FX69 is more suitable for playing Heavy Metal. It gives a very sharp distortion sound.

**Knobs:**

FD55'S KNOBS	FX69'S KNOBS
GAIN	GRUNGE
HIGH	FACE
LOW	BUTT
LEVEL	LOUD

## Model 8: IBANEZ® SM7 SMASH BOX®

**Introduction:** This model is based on IBANEZ® SM7 SMASH BOX®, a real “smash box”, providing “sharp” and “smooth” models.

### Knobs:

FD55'S KNOBS	SM7'S KNOBS
GAIN	DRIVE
HIGH	HI
LOW	LO
M.F./TONE	EDGE *
LEVEL	LEVEL

\* There are two modes for selection under this model. Turn the M.F./TONE knob less than a '12 O' clock position', the LED indicator will not be lighted; the current selection will be the “SHARP” mode. Turn the M.F./TONE knob to a position exceeds '12 O'clock', and the LED lights, creates the “SMOOTH” mode.

### **Model 9: BOSS® MT-2 METAL ZONE®**

**Introduction:** This model is based on BOSS® MT-2 METAL ZONE®, classic heavy metal sound.

**Knobs:**

<b>FD55'S KNOBS</b>	<b>MT-2'S KNOBS</b>
GAIN	DIST
HIGH	HIGH
MIDDLE	MIDDLE
M.F./TONE	MID FREQ
LOW	LOW
LEVEL	LEVEL

### **Model 10: DOD® FX86 DEATH METAL™**

**Introduction:** This model is based on DOD® FX86 DEATH METAL™, the tone from hell, crazy and wild.

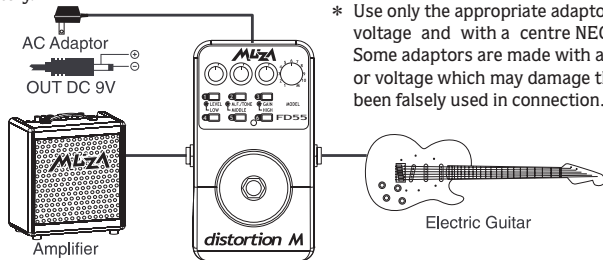
**Knobs:**

<b>FD55'S KNOBS</b>	<b>FX86'S KNOBS</b>
HIGH	SCREAM
MIDDLE	PAIN
LOW	GUTS
LEVEL	R.I.P.

## OPERATION

### Connections

1. Connect the power supply to the power jack or insert a 9V battery into the battery compartment on the bottom.
2. Connect the guitar's output jack and FD55's input jack with an audio cable; then connect the output jack of FD55 and an amplifier with another audio cable.
3. FD55 will automatically switch on after a cable is plugged into its input jack when using a battery.



\* Use only the appropriate adaptor with the correct voltage and with a centre **NEGATIVE** polarity. Some adaptors are made with a different polarity or voltage which may damage the unit if it has been falsely used in connection.

## Store and Recall Patches



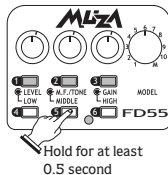
### Warning:

To avoid the possibility of losing the stored patches or results in an unsuccessful storage, you are suggested to use an appropriate adaptor while performing the storage operation. Ensure the power will not be terminated.

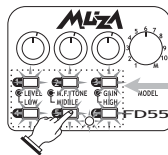
### ① Storing Your Favorite Tones:

You can store your favorite tones into one of the 6 patches when the FD55 MODEL knob is turned to a position between MODEL 1 ~ 10 and the ON/OFF LED indicator is on at the same time.

For example, if you want to store the current setting to patch 5, you should press the 5th button (as show in the diagram) and hold for at least 0.5 second. The ON/OFF LED indicator has to be on at the same time.

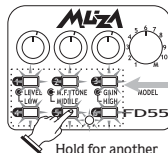


Then, all LED indicators of FD55 will light randomly:



All LED indicators will light randomly.

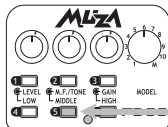
Press and hold the 5th button for another 2 seconds to enter the storage function; all LED indicators will flash simultaneously in a rapid speed.



All LED indicators will flash simultaneously in a rapid speed.

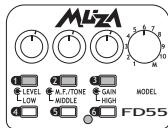
Hold for another 2 seconds

You can then release the button. The LED indicator of this button will be lighted for the final one second, then the whole action will stop; your own setting has already been stored into the chosen patch.



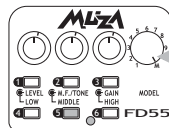
Your own setting has been stored.

Finally, it returns back to the normal mode automatically.



## 2 Recalling the Saved Memories:

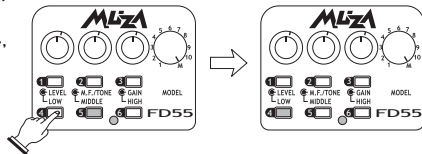
If you want to recall the patches that you have saved, you must turn the MODEL knob to the M position:



Turn the MODEL knob to the M position.

At this time, the LED indicator of the latest stored patch will be lighted automatically.

For example, if you want to recall patch 4, just press the 4th button:



When the MODEL knob points to the M position, you can adjust the LEVEL knob as usual; however, other knobs will be inactivated.

## Footswitch Control Mode


When the MODEL knob points to the M position, the FOOTSWITCH will provide two function modes.

MODE	FUNCTION
MODE 1	FOOTSWITCH for the bypass function as usual.
MODE 2	FOOTSWITCH swaps between the patch memories in the sequence of Button (Patch) 01→02→03→04→05→06

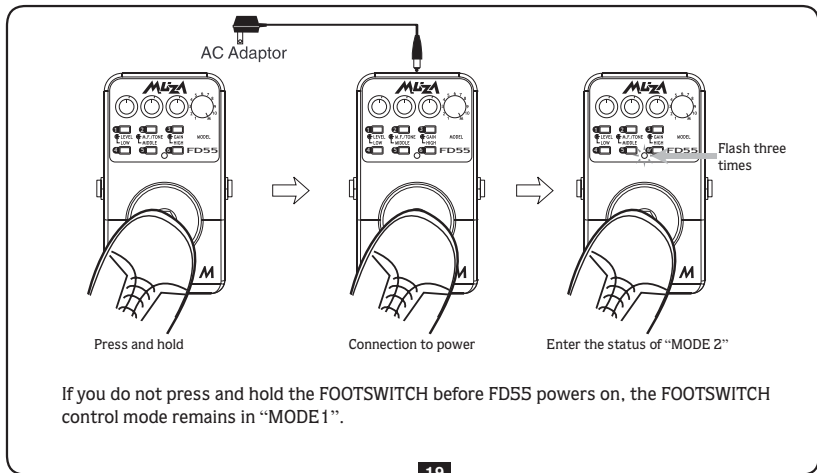
Before making connection or powers on FD55, turn the MODEL knob to the M position, then press and hold the FOOTSWITCH firmly; powers up the unit and keep holding the FOOTSWITCH until the ON/OFF LED indicator flashes three times.

The FOOTSWITCH control mode will now be under the status of “MODE 2”.

You can hit the FOOTSWITCH to swap from one patch to another in sequence.



You will not be able to manipulate patches and their settings under the FOOTSWITCH Control Mode.

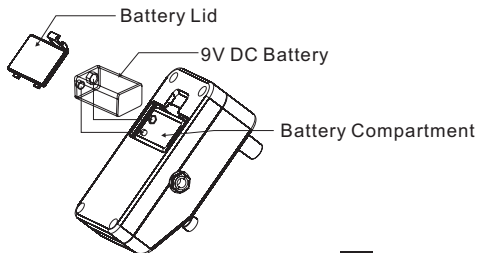




### **Warning:**

- 1 FD55 will be unable to work without plugging a mono audio cable into the input jack even when a 9V battery has been inserted for power supply.
- 2 While the power supply is low, the LED will extinguish. Please replace the battery.
- 3 Turn this unit off before connecting the cables, otherwise tremendous noise might be Produced and the unit might be damaged as well.

### **Battery Replacement Diagram**



## SPECIFICATIONS

- No.of Distortion Models: 10
- No.of Patch Memories: 6
- Sampling Rate: 48kHz 24bit
- Guitar Input: 1/4" monaural phone jack
- Input impedance: 1 Mohms
- Line Output: 1/4" monaural phone jack
- Output impedance: 100 ohms
- Power Requirements: AC adaptor DC9V/300mA/center minus type or 6LR61 9V battery
- Dimensions: 120(L) x 73(W) x 63(H) mm
- Weight : 360g ( including battery)