



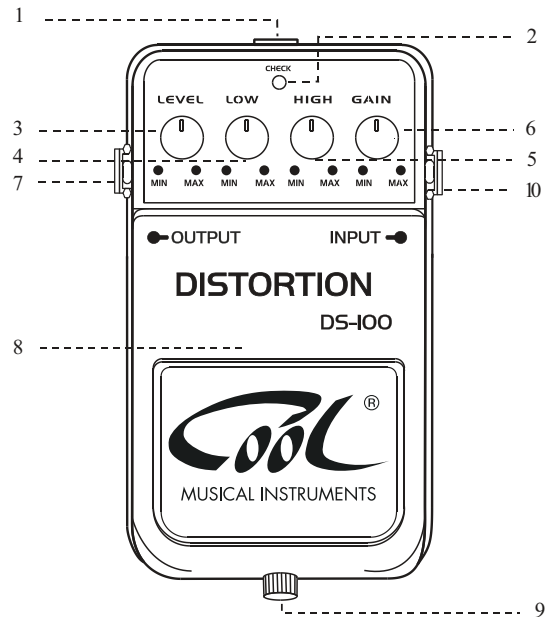
## DS-100 DISTORTION

The DS-100 creates rich and powerful distortion. It's fit for the long sustain solo and dynamic rhythm playing. Define the personal distortion sound by setting the GAIN, HIGH and LOW knob.

### Features

## Panel Description

1. AC Adaptor Jack: Connect an AC Adaptor (100-240V/50-60Hz). An AC Adaptor allows long and secure operation without worrying about battery life.  
Use any other adaptor may cause damage of the device.
2. Indicator LED: This LED indicates when the effect is turned on.  
\* Operating on battery power only: when the LED becomes dim or does not light the battery need to be replaced.
3. Level Knob: Used this control to adjust the level of effect sound.  
Turn this knob clockwise to increase the effect sound and counterclockwise to decrease the effect sound.
4. Low Knob: Used this control to adjust the low frequency of distortion.  
Turn this knob clockwise to emphasize low frequencies of distortion sound which creates a tight and thick distortion.
5. High Knob: Use this control to adjust the high frequency of distortion.  
Turn this knob clockwise to emphasize high frequencies of effect sound which creates a clear and sharp distortion.
6. Gain Knob: Use this control to adjust the level of distortion.  
Clockwise rotation increases the distortion level. Which provides deeper distortion and a long sustain time sound.
7. Output Jack: Use this jack to connect an amplifier or other units for mono output.
8. Pedal: Press the pedal turns the effect on and off.
9. Thumb Screw: Loosen the screw to open the pedal for battery replacement.  
(For detail of the battery replacement, see "BATTERY REPLACEMENT").
10. Input Jack: Connect your instrument to this jack. To prolong battery life, disconnect all cables from the pedal when not in use.



## Connections

1. Connecting an instrument to this jack will automatically switch the unit on. Be sure to disconnect the cord from this jack when the unit is not being used.
2. Before connecting or disconnecting any instrument, make sure that the volume of the amplifier is turned down.
3. The output jack is to connect an amplifier or other units for mono use. Both the dry and processed signals are output.

## Specifications

Input Impedance-----1 M $\Omega$   
 Output Impedance-----1 k $\Omega$   
 Recommended Load Impedance-----  
 -----10 k $\Omega$  or greater  
 Residual Noise-- -90dBu(IHF-A, Typ)  
 Power Supply-----DC 9V, Dry battery  
 (6F22/9V), AC adaptor  
 Current Draw -----17mA, (DC 9V)  
 Controls -----Pedal Switch,  
 Effect Level, Low, High, Gain.  
 Indicator -----Check Indicator  
 (Serves also as battery check indicator)  
 Jack -----Input  
 -----Output, AC Adaptor  
 Dimensions-----72\*128\*60 mm  
 Weight-----404g (no battery)  
 Option-----AC adaptor

## Battery Replacement

1. Loosen the screw on the pedal to open it.
2. Remove the battery from the battery compartment and disconnect the battery cable.
3. Connect a new battery to the battery cable and put it back in the battery compartment. Make sure the polarity of the battery is correct and the battery cable does not interfere with the spring or pedal cover.
4. Push the coil spring into the spring base, then close the pedal.
5. Insert the thumbscrew into the guide bush hole and firmly tighten the screw.

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