



DJ EFFECTOR

***DWG-X1***

**OWNER'S MANUAL**

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## CONGRATULATIONS!

Thank you for purchasing the VESTAX DWG-X1 Dynamic Filter.  
Please read this owner's manual carefully before you start to use your  
DWG-X1 in order to fully understand all of the special features.

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### CAUTION



RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK  
DO NOT REMOVE COVER (OR BACK)  
NO USER-SERVICEABLE PARTS INSIDE  
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT  
EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

**CAUTION :** TO PREVENT ELECTRIC SHOCK, MATCH BLADE OF  
PLUG TO WIDE SLOT, FULLY INSERT

**ATTENTION :** POUR EVITER LES CHOCS ELECTRIQUES,  
INTRODUIRE LA LAME LA PLUS LARGE DE LA  
FICHE DANS LA BORNE CORRESPONDANTE DE LA  
PRISE ET POUSSER JUSQU' AU FOND

# IMPORTANT SAFEGUARDS

## READ BEFORE OPERATING EQUIPMENT

This product was designed and manufactured to meet strict quality and safety standards. There are, however, some installation and operation precautions which you should be particularly aware of.

1. Read Instructions-All the safety and operating instructions should be read before the appliance is operated.
2. Retain Instructions-The safety and operating instructions should be retained for future reference.
3. Heed Warnings-All warnings on the appliance and in the operating instructions should be adhered to.
4. Follow Instructions-All operating and use instructions should be followed.
5. Cleaning-Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
6. Attachments-Do not use attachments not recommended by the product manufacturer as they may cause hazards.
7. Water and Moisture-Do not use this product near water-for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in wet basement, or near a swimming pool, and the like.
8. Accessories-Do not place this product on an unstable surface. The product may fall, causing serious injury to child or adult, and serious damage to the appliance. Use only with a surface, or table recommended by the manufacturer, or sold with product. Any mounting of the appliance should follow the manufacturer's instructions, and should use a mounting accessory recommended by manufacturer.
9. Ventilation-Slots and openings in the cabinet are provided for ventilation, to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The unit should never be placed on an uneven surface(eg. bed) during operation. This product should never be placed near or over a radiator or heat register. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
10. Power sources-This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company.
11. Grounding or Polarization-This product is equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If this should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
12. Power-Cord Protection-Power supply cords should be routed so that they are not likely to be walked on or squashed by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
13. Protective Attachment Plug-The appliance is equipped with an attachment plug having overload protection. This is a safety feature. See Instruction Manual for replacement or resetting of protective device. If replacement of the plug is required, be sure the service technician has used a replacement plug specified by the original plug.
14. Lightning-For added protection of this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet. This will prevent damage to the product due to lightning and power-line surges.
15. Overloading-Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.
16. Object and Liquid Entry-Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
17. Servicing-Do not attempt to service product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified personnel.
18. Damage Requiring Service-Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
  - a. When the power-supply cord or plug is damage.
  - b. If liquid has been spilled or objects have fallen into the product.
  - c. If the product has been exposed to rain or water.
  - d. If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other, controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
  - e. If the product has been dropped or cabinet has been damaged.
  - f. When the product exhibits a distinct change in performance-this indicates need for service.

19.Replacement Parts-When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or which have the same characteristics as the original parts. Unauthorized substitutions may result in fire, electric shock or other hazards.

20.Safety Check-Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

21.Carts and Stands-The appliance should be used only with a cart stand that is recommended by the manufacturer.

22.An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

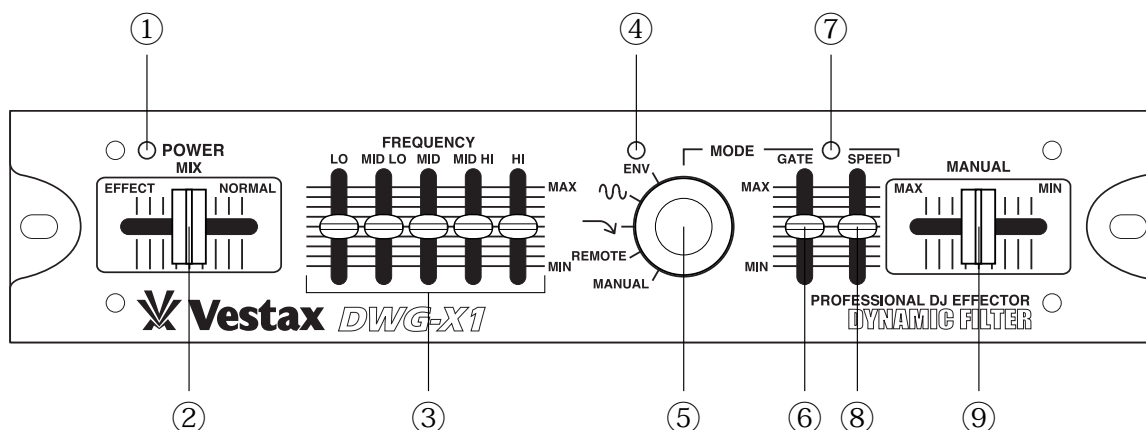


## FEATURES

- The Vestax original analogue filter can generate hard or warm filter sounds specifically created for DJs.
- The “colour” of the filter sound can be uniquely created by an extremely high quality 5 band graphic EQ fader with LOW / MID LOW / MID / MID HI / HI controls.
- The active filter changes can be triggered by a trigger switch, an external foot switch or automatically on input signal.
- The parameters of the Auto Wah can be adjusted precisely by the ENVELOPE / LFO / DOWN selector and the GATE / SPEED CONTROL knobs.
- The unique 1U half-rack size is perfect for many applications. The depth of the DWG-X1 is of similar height to a turntable, so it can easily be utilized vertically in a quick set up. Vestax offer a 19"rack frame with two spaces to rack the DWG-X1 alone, or together with other Vestax half rack series effects.

## FUNCTIONS

### FRONT PANEL



### ① POWER INDICATOR

LED will light when the power is on.

### ② MIX CONTROL

Slide to the left, EFFECT is active. Slide to the right, NORMAL is active. In the center position, mix of both.

### ③ 5BAND FILTER EQ (LOW/MID LOW/MID/MID HI/HI)

The major feature of DWG-X1 is the ability to utilize 5 peaking points. This allows total control to apply to any kind of music source.

### ④ ENVELOPE INDICATOR

LED will flash when Wah is active.

### ⑤ MODE SELECT SWITCH

Select a mode from ENV, LFO, DOWN, MANUAL, REMOTE

#### ■ AUTO MODE

#### (a) ENVELOPE MODE "ENV"

Speed of modulation can be adjusted according to input level; the more effect applied, the more intense the sound. Good for scratch DJs. The GATE CONTROL sets the level. When "ENV" is on, SPEED CONTROL is inactive.

#### (b) LFO MODE "Λ"

Allows you to adjust the speed with both GATE and SPEED CONTROL.

#### (c) DOWN MODE "↘"

Functions similarly to the LFO MODE but the range of modulation is limited to lower frequencies.

● You will need to make adjustments to match the position of both input level and filter with the input level volume and the GATE CONTROL.

The LED will light when the effect is active.

MODE	DEPTH	SPEED	THRESHOLD	SWING DIRECTION
ENV	automatically	automatically	adjust GATE CONTROL	LOW ↔ HI
Λ		adjust SPEED CONTROL		LOW ↔ HI
↘				LOW ↔

#### ■ MANUAL MODE

#### (d) PEDAL MODE "REMOTE"

The foot pedal (option) allows you to control the effect with a simple on/off footswitch.

#### (e) MANUAL MODE "MANUAL"

Control the effect manually with MANUAL CONTROL.

### ⑥ GATE CONTROL

The control to set a threshold level when AUTO MODE is active.

### ⑦ LFO/DOWN INDICATOR

LED will light when LFO/DOWN is active. when LFO/DOWN MODE is active.

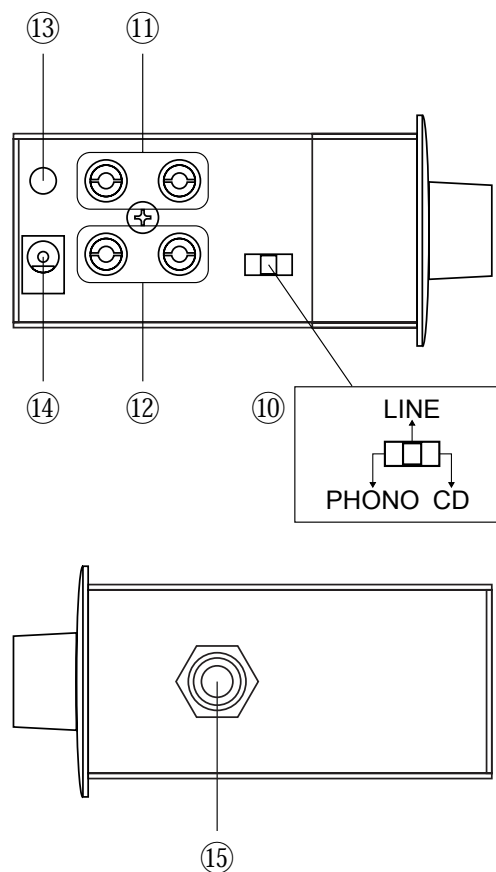
### ⑧ SPEED CONTROL

The control to adjust the speed of the filter movement

### ⑨ MANUAL CONTROL

The control to adjust the effect manually.

## SIDE PANEL



### ⑩ INPUT SELECT SWITCH

Phone(-46dB)/Line(-10dB)/CD(0dB)

### ⑪ OUTPUT JACK [RCA pin jack]

### ⑫ INPUT JACK [RCA pin jack]

### ⑬ GND TERMINAL

Connect the ground cable here.

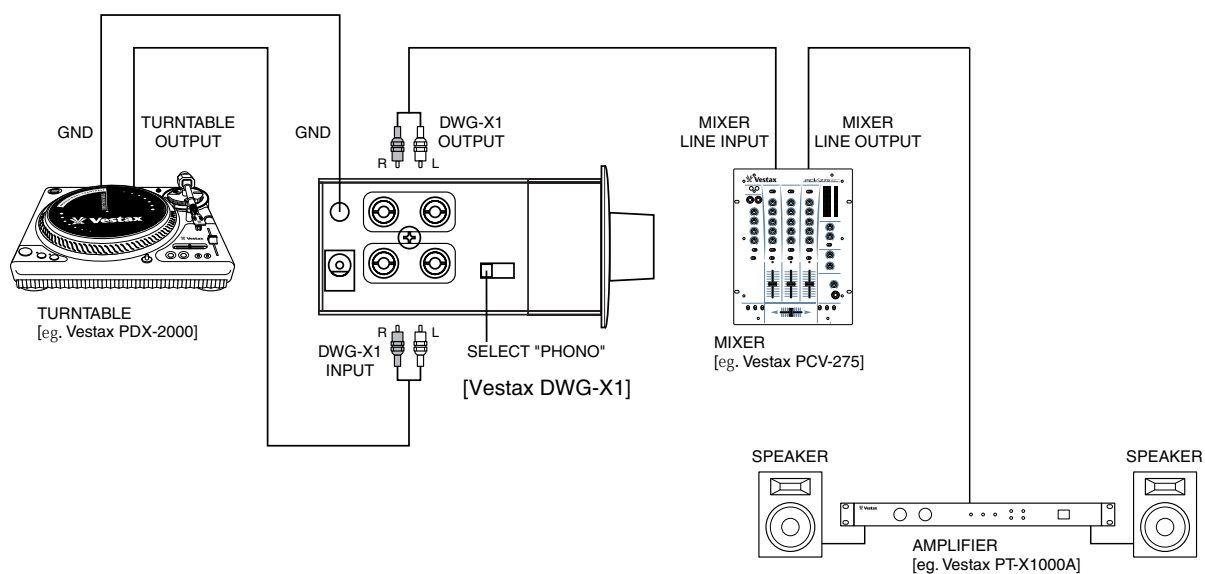
### ⑭ DC JACK

Vestax Adaptor DC-15V.

### ⑮ PEDAL IN JACK

For the connection of a foot pedal (optional)

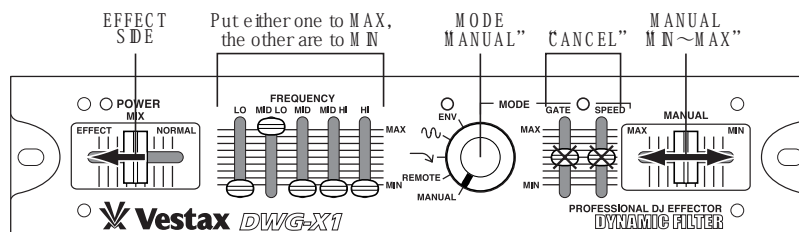
## CONNECTION DIAGRAM



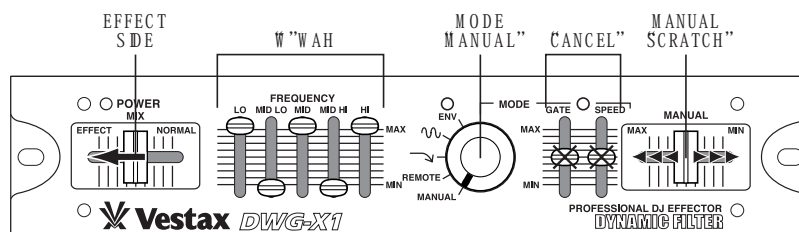
## SETTING EXAMPLES

### 1. "FILTER WAH" SOUND (for FILTER HOUSE)

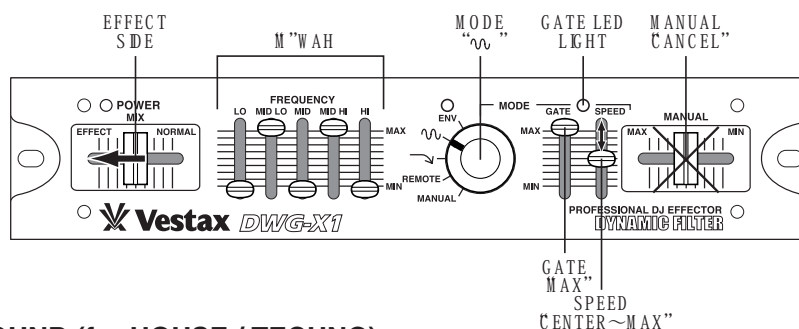
Single peaking wah.



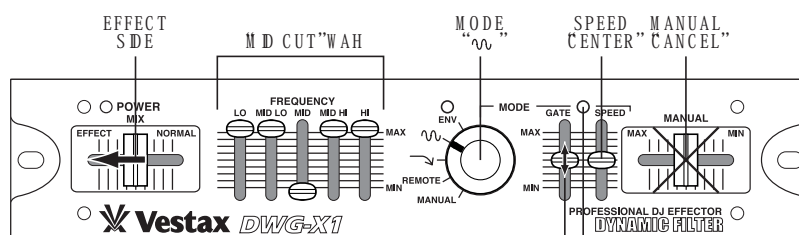
### 2. "SCRATCH WAH" SOUND (for HIP HOP)



### 3. "AUTO SCRATCH WAH" SOUND (for HIP HOP)

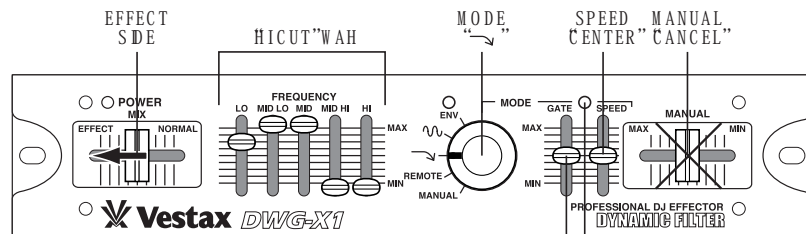


### 4. "BEAT WAH TYPE1" SOUND (for HOUSE / TECHNO)



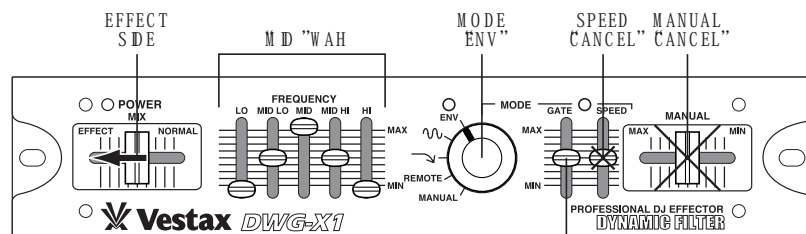
Adjust the GATE CONTROL to the degree of input source whether it's big or small. You can make this setting precisely when LFO/DOWN indicator has flashed to the beat.

## 5. "BEAT WAH TYPE2" SOUND (for HOUSE / TECHNO)



Adjust the GATE CONTROL to the degree of input source whether it's big or small. You can make this setting precisely when LFO/DOWN indicator should be adjusted to the quick tempo.

## 6. "ENVELOPE WAH" SOUND (for SOUND TRACK / SAMPLING SOURCE)



Adjust the GATE CONTROL to the degree of input source whether it's big or small. You can make this setting precisely if you adjust GATE CONTROL, the ENVELOPE indicator lights up.

## SPECIFICATIONS

TYPE	5band BAND PASS FILTER
NOMINAL INPUT LEVEL	PHONO -46 dB LINE -10 dB CD 0 dB
NOMINAL OUTPUT LEVEL	-20 dB (NORMAL)
S/N RATIO	-60 dB (NORMAL)
POWER SUPPLY	DC 15V
DIMENSIONS (W×H×D)	218×44×103 (mm)
WEIGHT	618 (g)



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***This is to certify that the product subsequently referred to  
was designed and manufactured in conformity with the  
following EC directives;***

**89/336/EEC (EMC)**

**73/23/EEC (LVD)**

**Model type :** Professional DJ Effector

**Model Description :** Half rack size / DJ Effector series

**Model Number :** DWG-X1

**Applicable Standards :** EN55013:1990+A12:1994+A13:1996 Limits and methods of measurement of radio disturbance characteristics of broadcast receivers and associated equipment (including amendments A12:1994 and A13:1996) (CISPR13:1975/Amdt1:1983, modified)  
EN50082-1:1997 Electromagnetic compatibility-Generic immunity standard Part1:Residential, commercial and light industry

**Date :** Wednesday, December 19, 2001

**Place of Issue :** Vestax Corporation, 1-18-6 Wakabayashi, Setagaya-ku,  
Tokyo 154-0023 Japan

**Manufacturers Authorized  
Signature :**

**Function of Signatory :**

Masaaki Shiomi

Director