

# DYNAMIC WAH DW400

Ultimate Auto-Wah/Human Voice Effects Pedal

Thank you for showing your confidence in us by purchasing the BEHRINGER DYNAMIC WAH DW400. This effects pedal delivers a variety of wah effects including a Human Voice mode creating an unbelievable “talking” sound. Experience exciting new sounds!

## 1. Controls

- 1 Select the effect mode via the **MODE** switch:

**UP:** Creates a Wah effect. The filter moves upwards (from low to high frequencies).

**DOWN:** Creates a Wah effect. The filter moves downwards.

**SYNTH:** A stronger upward Wah effect with a synth-like resonance filter sound.

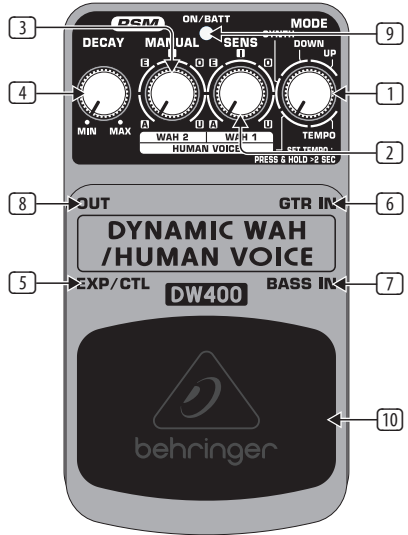
**HUMAN VOICE:** Turns your instrument signal into the sound of a human voice. The sound alters between 2 selectable vowel sounds and adds slight overdrive.

**TEMPO:** Auto Wah. Tap in the tempo via foot switch 10 or external foot switch.

- 2 **SENS** determines the effect sensitivity, depending on the input level. In HUMAN VOICE mode, it selects the first vowel. In TEMPO mode, this control has no function.

- 3 The **MANUAL** control determines the wah effects' lowest frequency. In HUMAN VOICE mode, it selects the second vowel. In TEMPO mode, this control has no function.

- 4 The **DECAY** control determines how quickly the filter is shifted. In TEMPO mode, you can shape the LFO waveform from Sine (min) to Square wave (max).



	UP, DOWN, SYNTH	HUMAN VOICE	TEMPO
SENS	effect sensitivity, depending on input level	Wah 1: Selects the first vowel	no function
MANUAL	starting frequency of Wah effect	Wah 2: Selects the second vowel	no function
DECAY	Envelope Response Time	Selects the Time used to move from Wah 1 to Wah 2	LFO waveform shape: Sine (Min) > Square (Max)
EXP/CTL*	Wah pedal (SENS, MANUAL and DECAY disabled)	Fades between Wah 1 and Wah 2 (DECAY disabled)	Wah pedal (DECAY disabled)

\*Connect an expression pedal (e.g. the FCV100) to the EXP/CTL connector

- 5 The 1/4" TRS **EXP/CTL** connector can be used to connect two different types of pedals:
- Use an expression pedal for Wah pedal functionality (for all modes).
  - Use an external foot switch instead of the pedal foot switch (10) to tap in the effect time (in Tempo mode only).
- 6 Use the 1/4" TS **GTR IN** connector to plug in a guitar. Use either input 6 or 7.
- 7 Use the 1/4" TS **BASS IN** connector to plug in a bass guitar. If you use this input, the filter parameters are optimized for bass signals. With a cable in input 6, this input has no function.
- 8 The 1/4" TS **OUT** connector sends the signal to your amp or other effects devices.



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- 9 The **ON/BATT** LED illuminates when the effect is activated. It also serves as a battery level indicator. If the Tap function is active, the LED flashes.
- 10 Use the foot switch to activate/deactivate the effect. When pressing the foot switch 2 seconds or longer, you can tap in the Auto Wah effect time (ON/BATT LED flashes).

Use the **DC IN** connection at the front of the unit to plug in a 9 V power supply (not included).

The **BATTERY COMPARTMENT** is located underneath the pedal cover. To install or replace the 9 V battery, press the hinges with a ballpen and remove the pedal cover. Be careful not to scratch the unit.

♦ **The DW400 has no On/Off switch. It is operable as soon as you insert a plug into the IN connector. Disconnect the plug, if you don't use the DW400. In doing so, you can extend the life time of the battery.**

The **SERIAL NUMBER** is located at the underside.

♦ **In rare cases interferences of the normal function may appear by external influence (e.g. electrostatic discharge), as for example sound disturbances or malfunctions. If this occurs, please turn down the volume on subsequent amplifiers and disconnect the input connector briefly to restart the application.**

## 2. Safety Instructions

Do not use near water, or install near heat sources. Use only authorized attachments/accessories. Do not service product yourself. Contact our qualified servicing personnel for servicing or repairs, especially when power supply cord or plug is damaged.

## 3. Warranty

Please register your new BEHRINGER equipment right after your purchase by visiting <http://behringer.com> and read the terms and conditions of our warranty carefully.

## 4. Specifications

### GTR IN / BASS IN

Connector	¼" TS
Impedance	500 kΩ

### OUT

Connector	¼" TS
Impedance	1 kΩ

### EXP/CTL

Connector	¼" TRS
Impedance	1 kΩ

### Power Supply

9 V<sup>+</sup>, 100 mA regulated

### BEHRINGER PSU-SB

USA/Canada	120 V~, 60 Hz
China	220 V~, 50 Hz

Korea 220 V~, 60 Hz

Europe/Australia 230 V~, 50 Hz

Japan 100 V~, 50/60 Hz

Power connector 2 mm DC jack, negative center

Battery 9 V type 6LR61

Power consumption 30 mA

### Physical/Weight

Dimensions approx. 2 1/8 x 2 3/4 x 4 1/8"  
(H x W x D) approx. 54 x 70 x 123 mm

Weight approx. 0.73 lbs / 0.33 kg

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# FEDERAL COMMUNICATIONS COMMISSION COMPLIANCE INFORMATION



**BEHRINGER**

**DYNAMIC WAH DW400**

Responsible Party Name: **MUSIC Group Services US Inc.**

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Fax: +1 425 673 7647**

## **DYNAMIC WAH DW400**

complies with the FCC rules as mentioned in the following paragraph:

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.

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

### **Important information:**

Changes or modifications to the equipment not expressly approved by MUSIC Group can void the user's authority to use the equipment.



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