

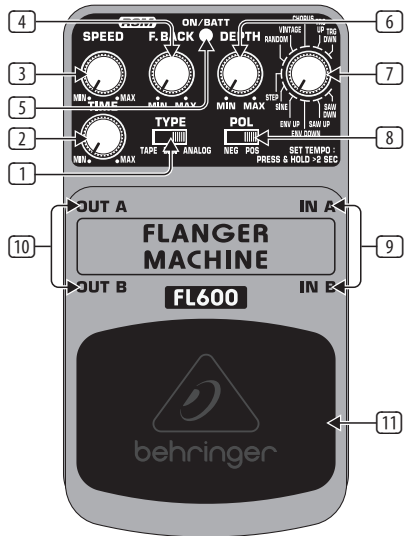
FLANGER MACHINE FL600

Ultimate Flanger Modeling Effects Pedal

Thank you for showing your confidence in us by purchasing the BEHRINGER FLANGER MACHINE FL600. This high-quality effects pedal delivers 11 extraordinary flanger modes with extensive parameter control that allow for maximum creativity so you always have the best sound regardless of the situation.

1. Controls

- 1 The **TYPE** switch lets you choose between a high-fidelity, DIGI(tal) flanger with a flat frequency response, a vintage-type, ANALOG bucket-brigade delay with filtered frequency response and a classic studio flanger from the '70s (TAPE).
- 2 With the **TIME** control, you can adjust the flanger delay time. Longer delay times produce a sharper, more detuned sound, very close to a chorus effect.
- 3 The **SPEED** control determines the speed of the flanger effect. In CHORUS, VINTAGE, SINE, SAW UP and SAW DOWN modes, turning this control to the MIN(imum) brings the LFO to a halt.
- 4 The **F.BACK** control determines the amount of output signal fed back into the flanger input in order to confer more or less intensity to the effect.



- 5 The blue **ON/BATT** LED illuminates when the effect is activated. It also serves as a battery level indicator.
- 6 Turn up the **DEPTH** control to achieve a fuller and deeper effect sound.
- 7 This control lets you choose between different flanger effect modes:
 - TRG DWN:** The modulation signal triggers a linearly falling wave envelope with a falling time determined by the SPEED control.
 - TRG UP:** The same as TRG DWN but with a linearly rising wave envelope.
 - CHORUS:** The signal is modulated by a wide-range, triangular wave with a large offset producing a chorus-like effect.
 - VINTAGE:** A simulation of the classic MXR flanger.
 - RANDOM:** A random value generator produces a modulation signal whose level varies with each cycle of the LFO, which has a smoothing filter applied to the output.
 - STEP:** The same as RANDOM but without the smoothing filter at the LFO's output.
 - SINE:** The signal is modulated by a sine wave.
 - ENV UP:** The flanger's delay time is modulated according to the amplitude variations in the input signal as detected by an envelope follower.
 - ENV DOWN:** The inverted version of ENV UP.
 - SAW UP:** A positive sawtooth wave modulates the signal.
 - SAW DOWN:** A negative sawtooth wave modulates the signal.
- 8 **POL** lets you choose between NEG(ative) and POS(itive) feedback flanger modes.
- 9 Use the two ¼" TS connectors **IN A** and **IN B** to plug in a stereo input signal. For mono use connect to IN A.
- 10 The two ¼" TS connectors **OUT A** and **OUT B** send the signal to your amp. Use both outputs to achieve a full stereo effect. For mono use, connect to OUT A.

In CHORUS, VINTAGE, SINE, SAW UP and SAW DOWN stereo modes, both channel signals are processed with inverted phase LFOs. In SAW UP and SAW DOWN mono modes, both delay lines are mixed to create a continuous rise/fall signal.

- ① Press the footswitch to activate/deactivate the effect. Depress the pedal (>2 s) to set the flanger's speed by tapping the pedal to the desired tempo. Depress the pedal once again (>2 s) to quit the set tempo function.

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 (not included), press the hinges with a ballpoint pen and remove the pedal cover. Be careful not to scratch the unit.

- ◆ **The FL600 has no on/off switch. As soon as you insert the plug into the in connector, the FL600 is on. When not using the FL600, remove the plug from the in connector. This extends the life 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

In A	
Connector	¼" TS
Impedance	500 kΩ
In B	
Connector	¼" TS
Impedance	1 kΩ
Out A	
Connector	¼" TS
Impedance	1 kΩ
Out B	
Connector	¼" TS
Impedance	1 kΩ
Power Supply	
	9 V ^{DC} , 100 mA regulated
BEHRINGER PSU-SB	
U.S.A./Canada	120 V~, 60 Hz

China	220 V~, 50 Hz
Korea	220 V~, 60 Hz
Europe/U.K./ 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	60 mA

Physical/Weight	
Dimensions (H x W x D)	approx. 2 ⅛ x 2 ¾ x 4 ⅝" approx. 54 x 70 x 123 mm
Weight	approx. 0.73 lbs / 0.33 kg

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