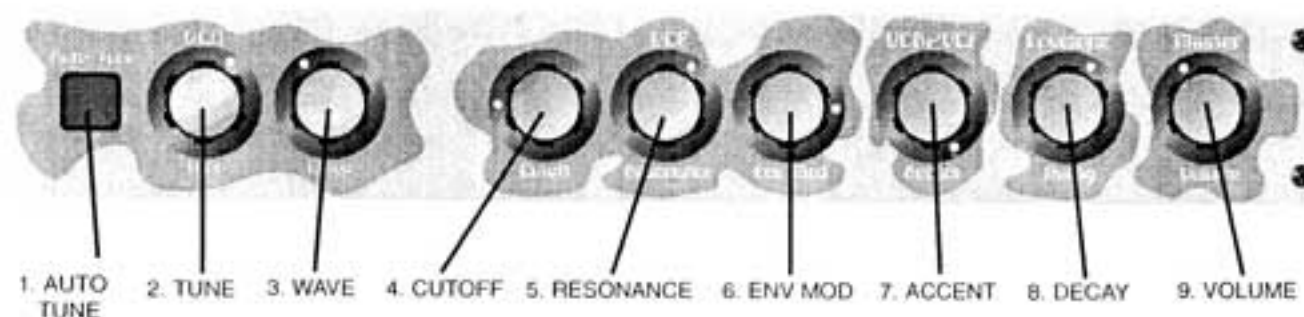


Description of the front panel



1. AUTO TUNE

Activates the autotune function.

2. TUNE

Fine tuning ± 1 semitone.

3. WAVE

The FB383 generates both square and sawtooth waveforms. This control is used to control the balance of these two waveforms.

4. CUTOFF

The FB383 has an analog low-pass VCF (Voltage Controlled Filter), which can be used to vary the frequency-mix of the waveforms. When rotated fully to the right, the filter is open, and has no effect. Rotating the control to the left will filter out higher harmonics, producing a less bright sound.

5. RESONANCE

This control accentuates the narrow range of frequencies around the cutoff frequency (5.), producing a characteristic sound when the filter is modulated with the envelope (6.)

6. ENV MOD

When using this control, a 'filter sweep' effect is produced by the Envelope Generator automatically closing the filter over time.

7. ACCENT

Raises the volume and cutoff frequency together, for combined accent effect.

8. DECAY

When using the ENV MOD feature, this control adjusts how quickly the filter is closed.

9. VOLUME

Main output volume.

Description of the back panel

1. OUT

Audio output of FB383 - connect to mixer, amplifier etc... Make sure that the volume is turned down while connecting.

2. VCF IN

Another audio signal can be routed through the VCF rather than the built-in oscillator.

3. MIDI IN

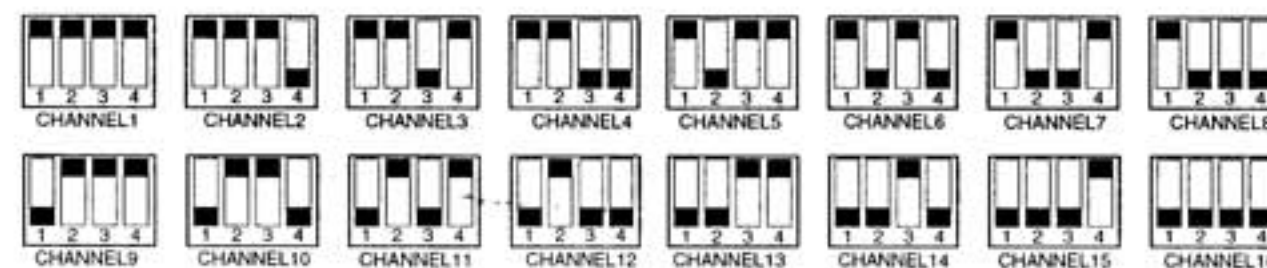
Connect to your keyboard's or computer's MIDI OUT.

4. 12V AC 500 MA

Connect your mains power supply to this socket. Note that ordinary DC mains adaptors will not work, since AC input is required. The ON light indicates that power is on. After switching on, the unit performs an auto-tune function which takes several seconds. During this time, the unit cannot be used. The MIDI light goes out when auto-tune is finished.

5. MIDI CH

As shipped from the factory, the unit will respond on MIDI channel 1. In many situations, you will not need to change this setting. These switches can be used to set the unit to a different channel as follows:



Features and Functions

1. TUNE CONTROL

When set to half-way position, the unit will be in tune with other MIDI devices. The tuning can be varied up to 1 semitone above or below this setting.

2. AUTOSLIDE

Also known as portamento, controls the sliding from one tone to another. The effect is activated when more than one key is played simultaneously. In this case, the envelope is not re-triggered.

3. VCF

The Voltage Controlled low-pass Filter with controllable resonance.

4. ENVELOPE

The envelope generator modulates the VCF only. (A separate preset envelope generator is used for the VCA.)

5. ACCENT

This control gives loud notes (over 120 velocity) an accented sound

- Volume accented
- Decay time reduced
- Increased Cutoff and Resonance

6. EXTERNAL INPUT TO VCF

This socket on the back panel accepts a line-level input for processing through the VCF.