

b:09

Offset, Attenuverter, Crossfader

b:09 consists of two sections:

- An Attenuverter/Offset, which sets the gain, polarity, and DC offset of any signal (Audio or CV). It can also generate CV signals from -5V to 5V when no cable is patched into its input;
- A crossfader that smoothly fades between two input signals, but can also be used as an attenuator or offset depending on input setup.

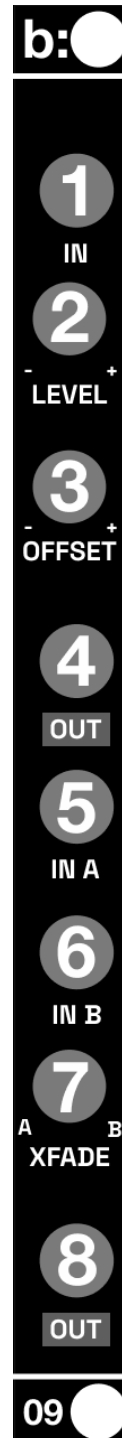
Technical specifications:

Operating voltages:	-12V / +12V
Power draw:	12 mA -12V / 12 mA + 12V
Width:	2 HP
Depth:	27 mm
Output impedance:	100 ohm



This product was tested and found compliant with the following standards: EN 55032:2015/A11:2020, EN 55035:2017, EN IEC 63000:2018.

For details, please visit:
bartinstruments.com/conformity



Input 1

Attenuverter Level

Offset Amount

Output 1

Input A

Input B

Crossfader A-B

Crossfader Output

Module Setup

The module contains two jumpers on its PCB:

Attenuverter Gain Jumper

The user can bridge the pins on the module in three ways:

- UNITY, which sets the gain to -1 with the Level Knob turned counter-clockwise and 1 with the Knob turned clockwise;
- 3x, which sets the gain from -3 to 3 (about +10dB);
- 10x, which sets the gain from -10 to 10 (about 20dB).

Crossfader Input A normalisation source

The user can bridge the pins on the module in three ways:

- +5V, which sets the IN A voltage level (when no patch cable is plugged into it) to 5V;
- -5V, which sets the IN A voltage level to -5V;
- +/-5V, which sets the IN A voltage level to the voltage currently set with the Offset Amount knob (3).

Safety and Installation Guide

Ensure your modular system is powered on before installing the module. Only power on the system once every module is connected and properly installed in your system using the provided screws.

Do not expose the module to moisture or extreme temperatures.

Do not operate the module in environments with severe amount of dust in the air.

The module's inputs are protected against electrostatic discharge, but be careful when handling the module itself.

Only one row of power connectors is present on the module, and it doesn't matter which row of the 10-pin power header is connected to it. Please follow the markings on the back of the module to ensure correct power cable orientation. The module is protected against reverse power connection.