BLENDER

BLENDER is a four channel mixer and voltage controlled cross-fader. BLENDER simplifies mixing audio and control voltages (CV) by incorporating a single control to blend two signals at a time - also known as a cross-fader. Two manual cross-faders and a single voltage controlled master cross-fader are provided. Use BLENDER as a main mixer or as a dynamic control for creating complex control voltages and waveforms from your signal generators.

B1-2

INPUT 1-2 BLEND CONTROL

Manual cross-fader for input channels 1 and 2. When signals are applied to both inputs 1 and 2, use this control to smoothly blend between the two signals. This control works as a full range attenuator if only one of the inputs is occupied.

B3-4

INPUT 3-4 BLEND CONTROL

Manual cross-fader for input channels 3 and 4. When signals are applied to both inputs 3 and 4, use this control to smoothly blend between the two signals. This control works as a full range attenuator if only one of the inputs is occupied.

X

X-FADE A/B BLEND & OFFSET

This is the manual control for the voltage controlled cross-fader. Use this control to smoothly blend signals applied or normalized (see inputs below) to the A and B inputs.
This control is also used as an offset when control voltage (CV) is applied to the X-FADE input.

L1

CHANNEL (A) LED

Indicates amplitude of the signal applied to channel A.

L2

CHANNEL (B) LED

Indicates amplitude of the signal applied to channel B.

XCV

X-FADE CV INPUT

This input is for modulating the A/B CROSS-FADER with bipolar or unipolar control voltages.
Use the X-FADE control to tailor the offset of modulation. Center position is sufficient for symmetrical fading between A and B with a bipolar signal.

IN1-2 (A)

INPUTS 1 & 2 (A)

These are the signal inputs associated with the BLEND 1-2 control. Signals applied here are processed through the BLEND 1-2 control and sent to the OUT 1-2 jack. Signals mixed through these inputs are also *normalized* to FADE input A.

IN3-4 (B)

INPUTS 3 & 4 (B)

These are the signal inputs associated with the BLEND 3-4 control. Signals applied here are processed through the BLEND 3-4 control and sent to the OUT 3-4 jack. Signals mixed through at these inputs are also *normalized* to FADE input B.

FADE A-B

FADE A-B INPUTS

These are the DC coupled signal inputs associated with the X-FADE control and X-FADE control voltage (CV) input. Signals applied here are processed through the voltage controlled cross-fader and sent to the OUT A/B jack. When nothing is applied to these inputs, the signals from inputs 1-2 are normalized to the A input and 3-4 are normalized to the B input. Therefore, these normalizations serve to cross-fade the blended signals from the 1-2 & 3-4 inputs by default.
Patching a signal into either A or B input will break the normalization associated with that input, respectively and process the patched signal through the voltage controlled cross-fader.

OUT 1-2

OUTPUT 1-2

This is the direct output for signals processed through INPUTS 1-2 and BLEND 1-2 control

OUT 3-4

OUTPUT 3-4

This is the direct output for signals processed through INPUTS 3-4 and BLEND 3-4 control

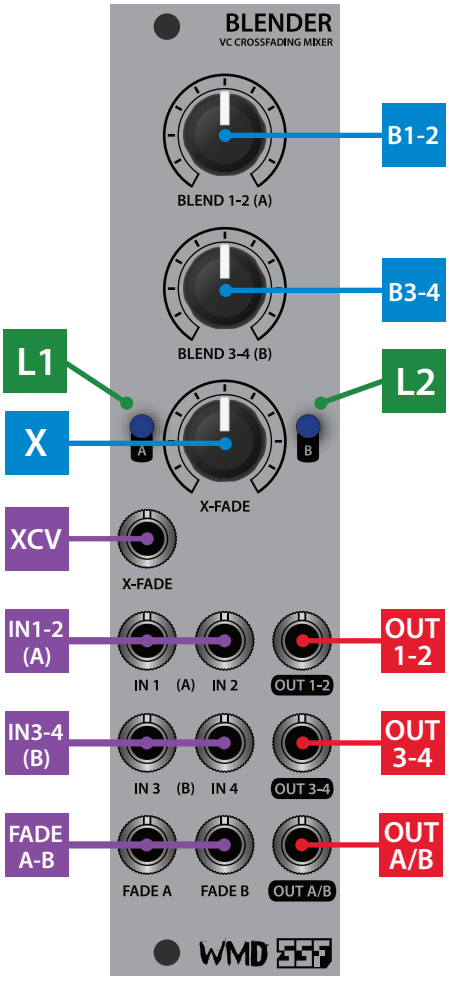
OUT A/B

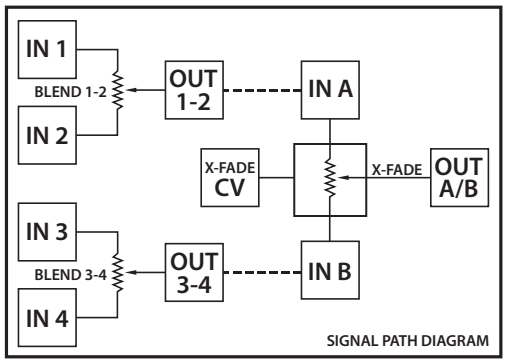
OUTPUT A/B

This is the direct and main output for signals processed through INPUTS A-B and processed by X-FADE CV and X-FADE BLEND control.

COLOR KEY LEGEND

- PANEL CONTROL
- LED INDICATOR
- INPUT
- OUTPUT





WMD