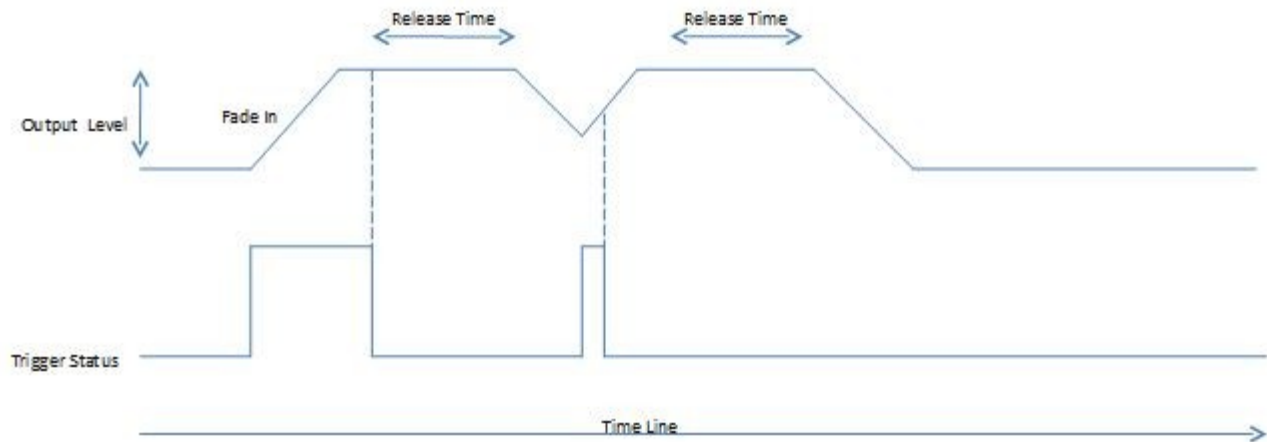




B18 fader amplifier

Owner's manual

The Myst Systems B18 is a compact stereo or mono power amplifier which output level is dictated by the status of its trigger input. When triggered, the amplifier will automatically increase its output from the attenuated level (set by the attenuation control) to non attenuated. This process happens at a speed set by the Fade in and Fade out time controls. The release control sets the time it takes for the fade out process to happen after the last trigger.



Controls and display:

- Fade In: Adjusts the speed at which the output level will increase once the trigger input is high.
- Fade Out: Adjusts the speed at which the output level will decrease after the release time has expired
- Release: Adjusts the amount of time between the last trigger and the fade out.
- Attenuation: Adjusts the level difference between attenuated and non attenuated
- Volume: Adjusts the main output level post fader
- Mute level LED: Its intensity varies with the fader status. Fully on: the output is muted. Fully off: the output is unmuted.
- Power: shows that the unit is powered up and operational.

Connections:

- DC IN: Power supply input which is doubled to allow daisy-chaining or external devices powering.
- Audio In: Unbalanced line input, left and right.
- Speaker Out: Loudspeaker output, left and right or mono bridged
- Line Out: Line out post fader but pre volume control
- Control In:
 - +5V: Should be used to power external sensors and/or be wired to a contact closure with the trigger input.
 - Trig: Fader trigger input. +5V high, 0V low
 - VCA/Mute: 10V VCA input to allow the amplifier output level to be externally controlled. Can also be used as a mute for voice alarm override. If you are not using this input, it need to be hard wired to the adjacent +10V output otherwise the amplifier will be muted. The Mute Level front LED follows the automated fader status as well as the VCA input.
 - +10V: To be connected to a potentiometer or a contact closure to the VCA input for level control.

Specification:

- Power supply requirements: 12-24VDC @ 1.5A min

- Output power: 2x11W or 1x28W when powered by 24VDC supply
- Dimensions: ½ rack space, 1U
- Connections: Euroblock terminals (supplied), mini-jack 3.5mm stereo line output
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Accessories:

- Rack mounting ears
- Long rack mounting ears for single unit rack installation.
- Connecting plate: Allows for 2 units to be installed as twins in one rack space.



Troubleshooting guide:

1. No output

- The VCA input is not active. Connect it to the 10V output
- The mute LED is fully on, which means that the trigger input is low. Check that the trigger input is at +5V when activated.
- The main volume control is turned off.

2. The amplifier is running hot:

- The loudspeaker impedance is probably too low. It should be of 8 Ohms, especially in bridged mode.

3. The sound is distorted.

Reduce the output level of your audio source.