Fail Over

Applicability

This description applies to the fail-over modules used in stereo program inputs of several Processors when the Upmix option is not available.

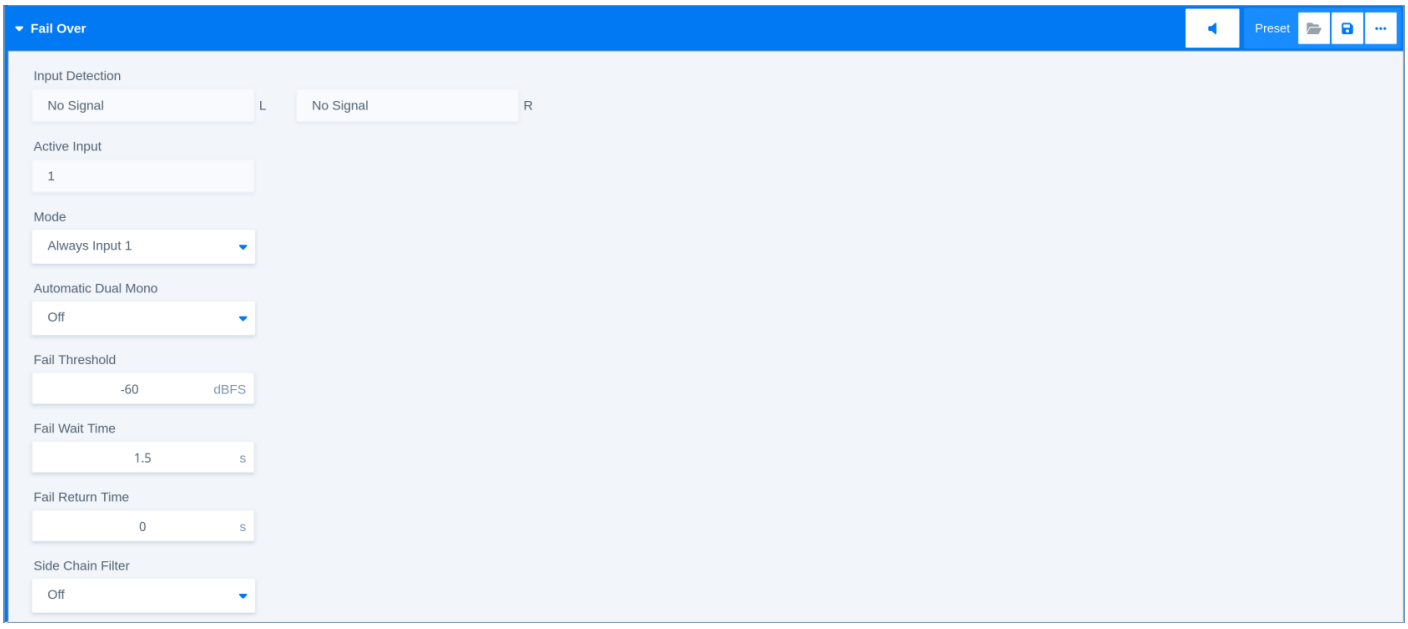
Overview

Fail Over is a module for switching from a primary source to a backup or alternate source when the selected failure conditions are met.

Processing Principle

The module monitors the signal according to the selected mode, side-chain filter, threshold, and wait time. When the failure condition persists long enough, the module switches to the alternate path. The return behavior controls how the module switches back when the original source becomes valid again.

Parameters



Parameter	Description
Input Detection	Shows signal action separately for both inputs.
Active Input	Shows the selected input.

Parameter	Description
Mode	Selects the fail-over operating mode. It can be used to set the fail over as a static switch. In auto mode it can be used which of the two inputs is used as a primary (main) source.
Auto Dual Mono	Controls automatic dual-mono handling. Dual Mono will copy the missing left or right input channel onto the respective channel to achieve dual mono operation in case of missing stereo.
Fail Threshold	Sets the signal threshold level used to detect a failure condition.
Fail Wait	Sets how long the fail condition must persist before switching.
Fail Return	Controls the wait time before the module returns to the primary source after recovery.
Side-chain Filter	Selects or enables filtering for the signal used to detect failure conditions. It can be used to remove for example 50 Hz or 60 Hz humming from keeping the fail over from switching channels.

Related Processors

- Automixer - Stereo
- FM Conditioner Channel Strip - Stereo
- Fail Over - Stereo (+Conditioner)
- Program Processing Channel Strip - Stereo

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