Morfin XF

CROSSFADER

USER MANUAL

Manual Version 1.0.3
Morfin XF Version 1.0.1

GroovyMelon

AVAILABLE IN THE propellerhead shop

Re Rack Extension

Wikipedia: “Crossfader essentially works like two faders connected side by side but opposite directions”

Morfin XF is armed with extra groovy features that improve the versatility of the device while keeping its usage simple.

Groovy Melon Morfin XF completely fulfills the Wikipedia definition of crossfader, and best of all it does its job on your Reason Rack. However, Morfin XF is armed with groovy features other than that, improving the versatility of the device while keeping it simple to use.

In a nutshell, Morfin XF is a crossfader with 4 inputs where any two of these inputs can be selected to be crossfaded between. The transition behavior (i.e. taper or transition curve) between these inputs can be controlled by means of a selector knob on Morfin XF. The types support wide varieties of usages, such as traditional equal power crossfading or removing and pumping it up. It has a CV input for the crossfader control and two CV outputs for both deck A and B. With the help of these CV in and outs, Morfin XF can be used as a simple CV shaper.

In this document, you can find valuable information on curve and power graphics of the tapers, operation modes, auto - routing tips and more about Morfin XF.

We hope you like Morfin XF

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Front panel quick overview

Phase Invert Switch: Inverts the phase of the signal 180 degrees. Led above is illuminated when active.

Curve Type Selection: This knob changes the temper of the crossfader. Check Curve Types section for more information.

Control group for deck A. Both decks have same controller set

Volume: Sets the volume of deck B.

Crossfader Area: As you go from A to B, Volume of A decreased, Volume of B is increased, and vice versa.

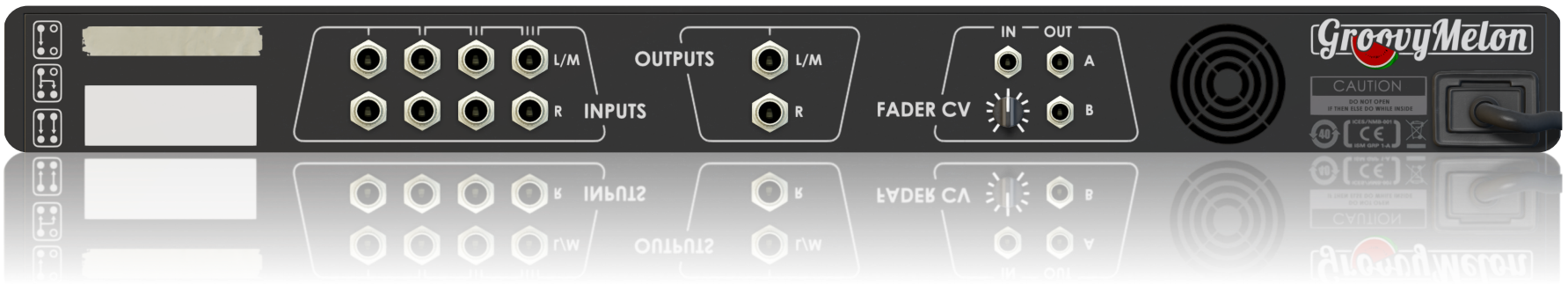
Select: You can select which Audio input is directed to deck B.

Back panel quick overview

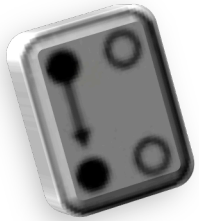
Fader CV Sockets: CV input for fader is bipolar. However outputs are unipolar.

Stereo Audio Output Sockets

Stereo Audio Input Sockets: Inputs can be routed to either deck A or deck B.

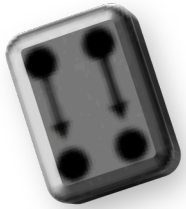


Operation modes



When you connect ONLY left inputs and outputs, Morfin XF is ir mono mode.

When you connect ONLY the left inputs of Morfin XF but BOTH left and right outputs are connected to the next device in the chain, Morfin XF duplicates its inputs to the right output channel also.



When one of the left and right inputs connected, Morfin XF is in stereo mode. The other inputs connected only to left will be duplicated also to the right channel.

Auto – routing tips

When standard crossfader operation needed, you can connect devices to Morfin XF without turning your rack with this simple rules.

Let's begin with a SOUND MODULE (Dr. OctoRex, NN-XT, etc). When you throw a Morfin XF just beneath a sound module, you will see that main outputs of sound module are connected to Morfin XF input 1 and Morfin XF outputs are connected to Audio track inputs.

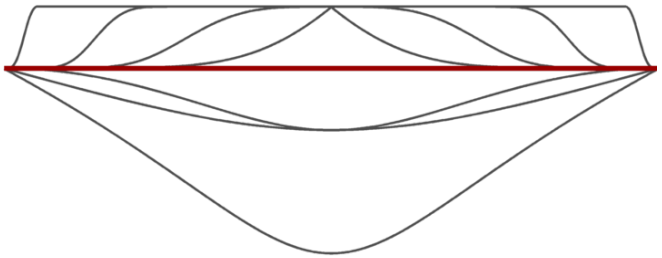
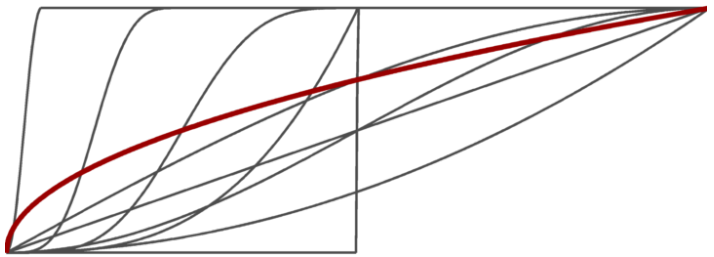
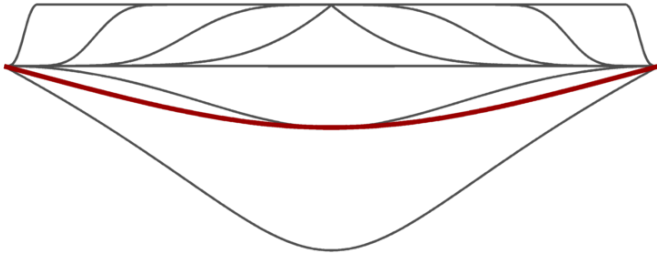
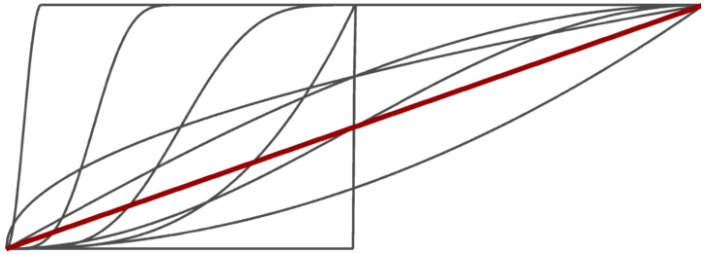
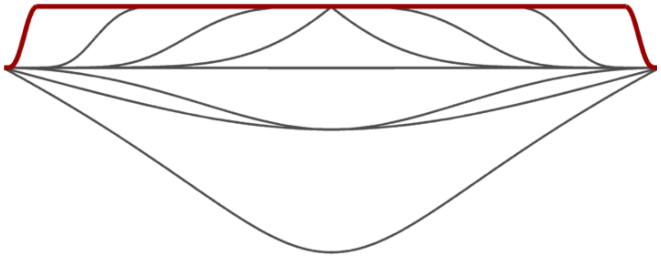
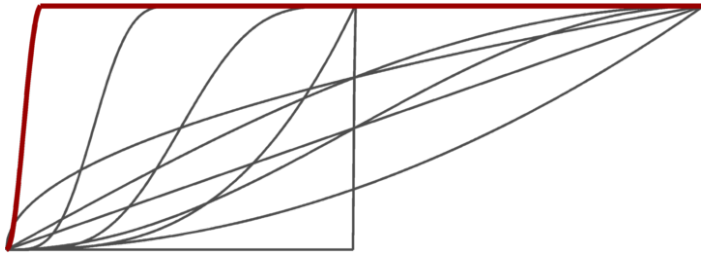
From this point on, as we create more sound modules under Morfin XF, their outputs will be automatically routed to the next available inputs of Morfin XF.

If you throw an EFFECT DEVICE under Morfin XF, effect device outputs will be routed to the next available input. But the effect input will be left unconnected.

If you create a Morfin XF under an effect device, Morfin XF audio output will be routed to the effect device inputs.

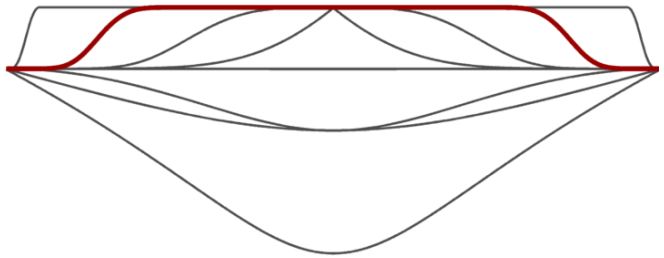
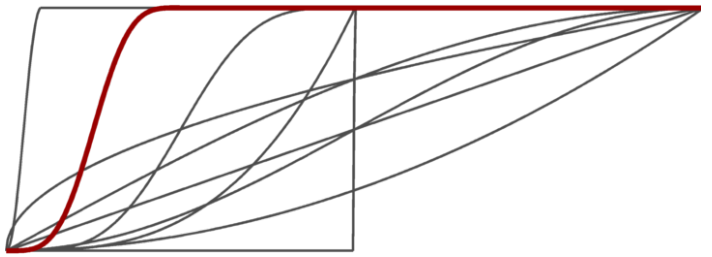
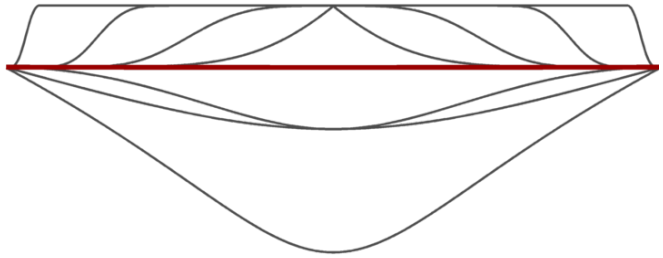
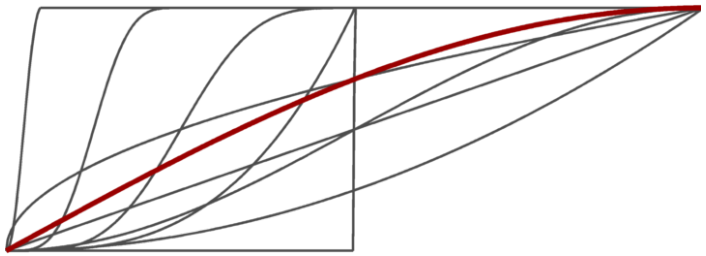
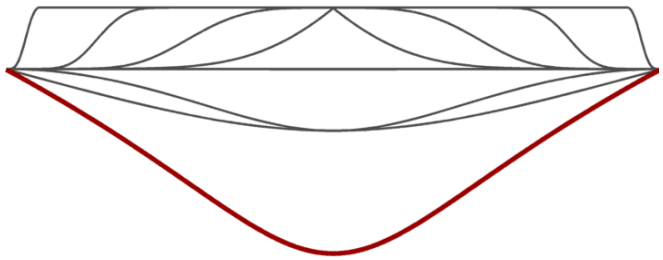
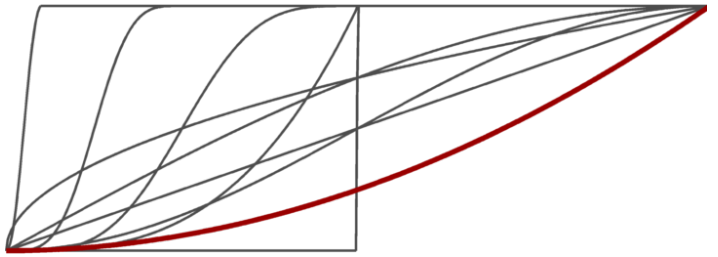
CV INPUTS & OUTPUTS are never auto – routed. You have to connect them manually by turning the rack around.

Power and Amplitude Curves

	power curve	amplitude curve
SQRT Square Root		
LIN Linear		
ST Sharp Taper a.k.a Fast Cut		

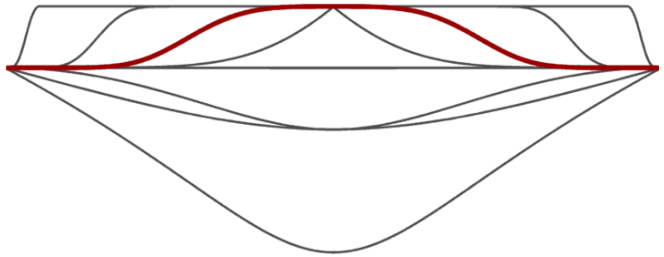
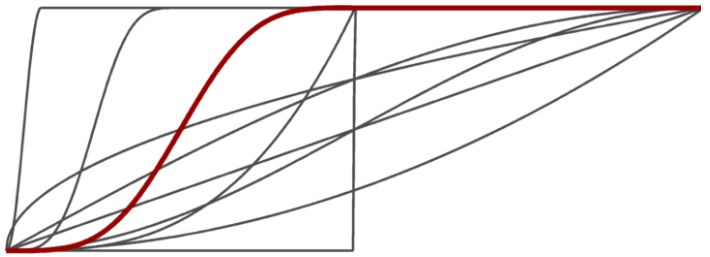
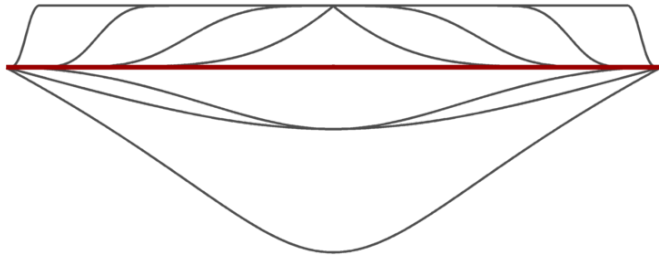
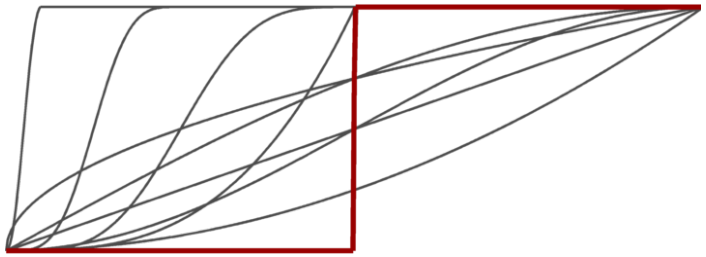
The best way to "hear" an AMPLITUDE curve is keeping one of the decks (A or B) silent and moving the crossfader of Morfin XF.

Power and Amplitude Curves

	power curve	amplitude curve
MT Medium Taper		
CP Constant Power		
SQ Squared		

If you want to be FAST AND ACCURATE at the same time, use CV input of Morfin XF.

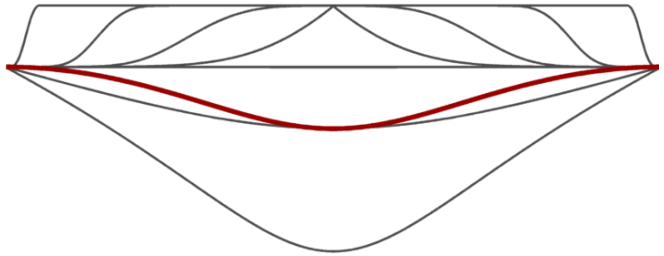
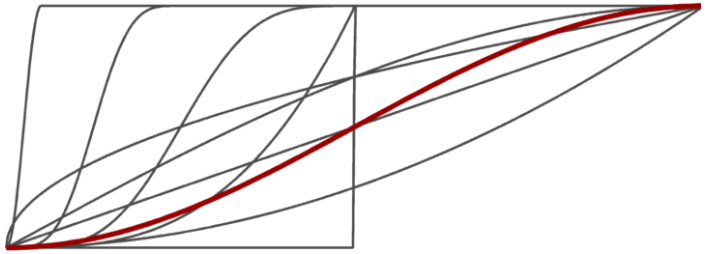
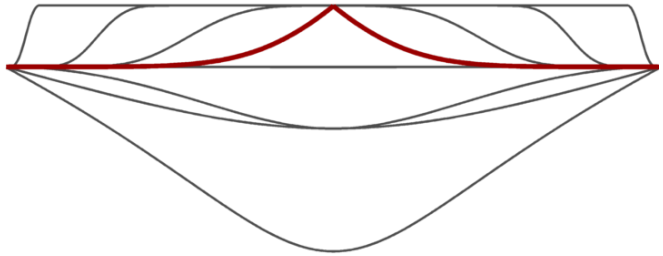
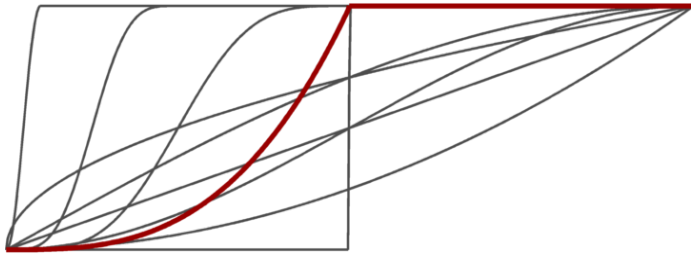
Power and Amplitude Curves

	power curve	amplitude curve
GT Gentle Taper a.k.a Slow Cut		
AB A-B switch		

CV input of Morfin XF is BIPOLAR. But CV output of Morfin XF is UNIPOLAR. CV output B is the inverted copy of CV output A.

The best way to hear a POWER curve is feeding deck B with the 90 degrees phase shifted version of the audio source on deck A and moving the crossfader of Morfin XF. And the easiest way is: *http://www.groovymelon.com/patches/MorfinXF/HearThePower.zip*

Power and Amplitude Curves

	power curve	amplitude curve
DIP		
TRNS Transition		

Ask anything about Morfin XF through our support page:
www.groovymelon.com/Support

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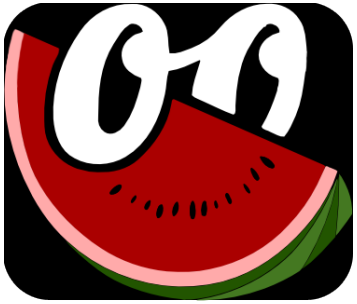
Midi and Remote implementation

Midi controller number	*Morfin XF*	*Remote Item*
30	Crossfader	Crossfader
31	Select A	Ch A Select Input
33	Select B	Ch B Select Input
34	Type	Curve Type
35	Volume A	Volume A
36	Volume B	Volume B
39	Phase A	Phase Invert A
40	Phase B	Phase Invert B



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