



# DOUBLE STEREO LINE MIXER REV 2.0



model: DSLM V2.0  
User Manual

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## INTRODUCTION

Double Stereo Line Mixer is a line level professional device for parallel processing, with a fixed 50/50 dry/wet mix.

Thought as ultimate and compact solution in the business to mix up to two stereo returns with incoming dry signal into a single stereo output.

To avoid any ground loop issue, sends are transformer isolated.

This unit can operate at nominal +4dbu line level signal but can also accept instrument level.

## POWER SUPPLY

Double Stereo Line Mixer **must be powered at ONLY 9 volts negative center @100mA minimum.** Everything higher than 9 VDC will damage this unit. A 3mm led place on one side of DSLM will turn on when 9VDC are applied.

## !! WARNING !!

This is a line mixer with an internal dedicated DRY PATH. This means you **MUST** set the mix of your external effects to 100% wet, or where it's possible, to turn on KILL DRY option.

Goal of this unit is to preserve your dry tone and let the mixer itself to take care of it, so don't let any bit of your dry signal passing thru your external effects.

## TECHNICAL FEATURES



(right side)

- **INPUT:** main input of the mixer, *either mono or stereo (new in V2.0)*.
- **Mono/Stereo input switch:** you can select between mono input or a stereo input. *(new in V2.0)*.
- **OUT LEFT (mono):** left output of the system. If only the left output is used (right output is not plugged in) the mixer will sum right and left into this output).
- **OUT LEFT (stereo):** right output of the system. If right output is plugged in, the stereo signal will be preserved as left and right on respective outputs.

(left side)

- **SEND:** this jack will split signal from INPUT in two identical copies. If you use a mono connector, you will have one outgoing signal (on TIP), if you use a stereo connector you will have two identical copies of INPUT signal (first one on TIP, second one on RING). *Suggestion: if you want to split SEND signal use a Y cable (stereo – mono/mono cable).*
- **9VDC:** DC connector.
- **FX1 RETURN:** this input will accommodate a mono or stereo effect's return. If you're using a mono effect, a mono cable will work, if you're using a stereo output from your effect you must use a Y cable to accommodate left and right signal into FX1 RETURN jack.

- **FX2 RETURN:** this input will accommodate a mono or stereo effect's return. If you're using a mono effect, a mono cable will work, if you're using a stereo output from your effect you must use a Y cable to accommodate left and right signal into FX1 RETURN jack.

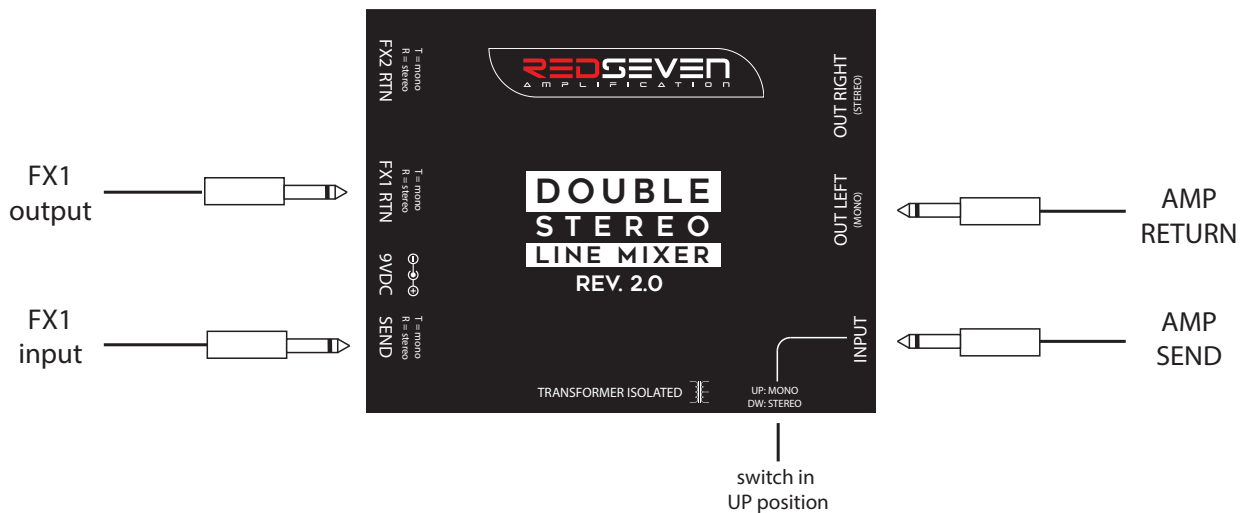
## CONNECTION EXAMPLES

**Example 1** - One mono effect with a mono guitar amplifier.

Signal comes from amp's loop fx send (INPUT), one copy is sent to external effect input (SEND) then the output of external effect is sent back to FX1 RETURN. OUT LEFT is routed back into amp's loop fx RETURN.

*Put input switch in UP position (mono).*

*Suggestion: use mono (unbalanced) jacks for this particular application.*

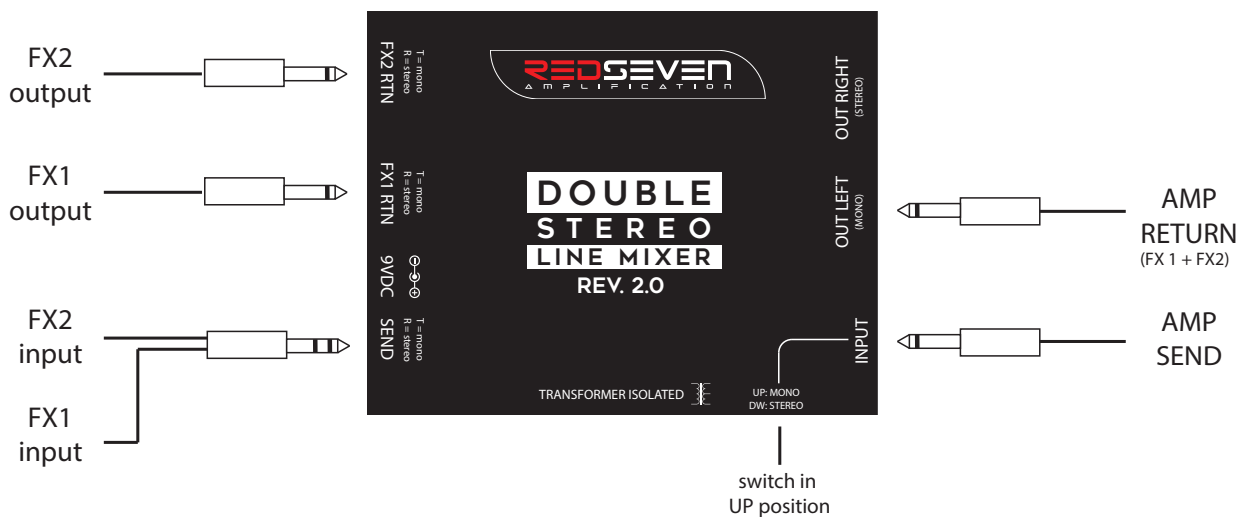


## Example 2 - Two mono effects with a mono guitar amplifier.

Signal comes from amp's loop fx send (INPUT), first copy is sent to external effect input 1, second copy is sent to external effect input 2 with a Y CABLE (SEND). The output of external effect 1 is sent to FX1 RETURN, output of external effect 2 is sent to FX2 RETURN. OUT LEFT is routed back into amp's loop fx RETURN by putting in parallel FX1 and FX2 returns.

*Put input switch in UP position (mono).*

*Suggestion: use Y cable with stereo connectors only where indicated.*



**Example 3** - Two mono effects with two guitar amplifiers (or stereo power amplifier) – hard panned.

Signal comes from amp's loop fx send (INPUT), first copy is sent to external effect input 1, second copy is sent to external effect input 2 with a Y CABLE (SEND).

Mono output of external effect 1 and mono output of external effect 2 are wired with a Y cable in DSLM FX1 RETURN.

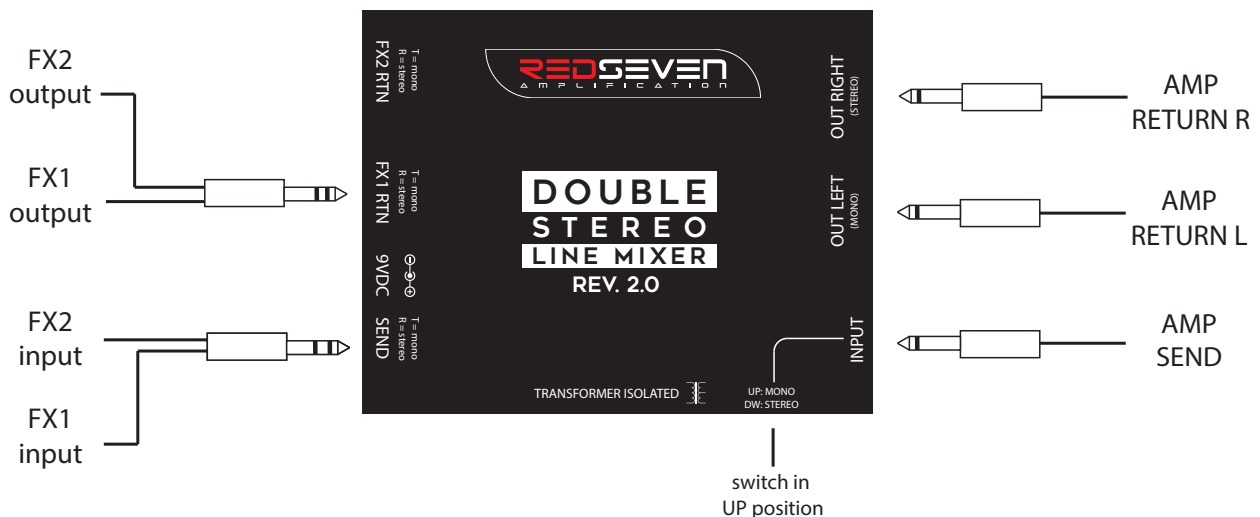
OUT LEFT is routed back into left power section of the amplifier, OUT RIGHT is routed back into right power section of the amplifier.

Begin both effects MONO, you'll have external fx 1 hard panned on left side, external fx2 hard panned on right side.

**Put input switch in UP position (mono).**

*Suggestion: use Y cable with stereo connectors only where indicated.*

*Suggestion: if you desire mixing two effects but you want to go back to a mono out, you can always use only OUT LEFT. In this way FX1 & FX2 returns will automatically mixed in mono on OUT LEFT.*





**Example 4** - One stereo effect with two guitar amplifiers (or stereo power amplifier).

Signal comes from amp's loop fx send (INPUT), first copy is sent to left side of effect input, second copy is sent to right side of effect input with a Y CABLE (SEND).

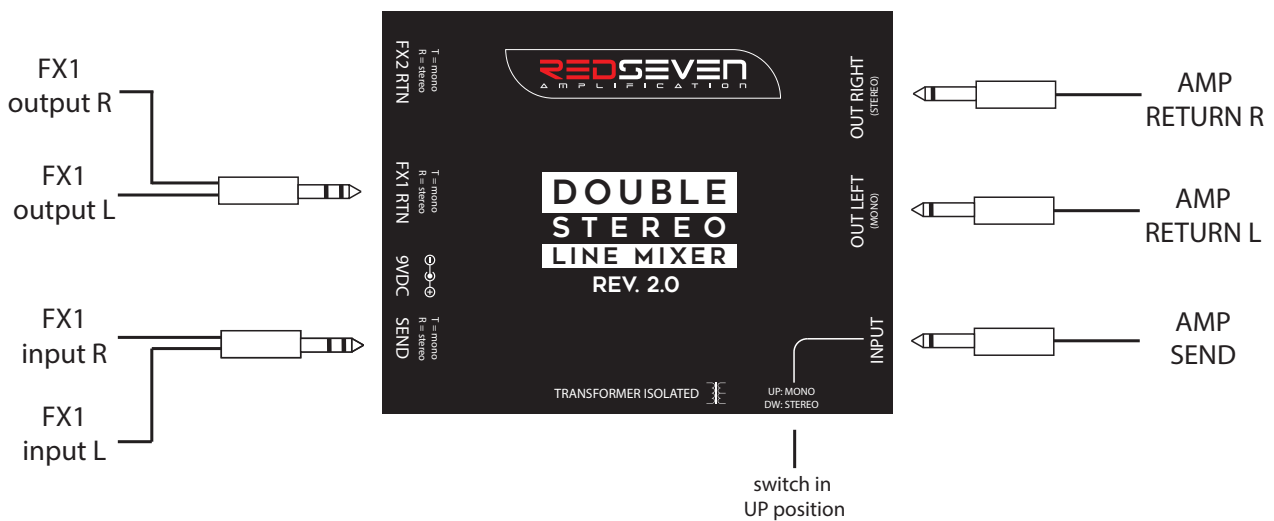
Left output of external effect is sent to FX1 RETURN (tip), right output of external effect is sent to FX1 RETURN (ring) with a Y CABLE.

OUT LEFT is routed back into left power section of the amplifier, OUT RIGHT is routed back into right power section of the amplifier.

**Put input switch in UP position (mono).**

*Suggestion: use Y cable with stereo connectors only where indicated.*

*Suggestion: if you wish to mix two stereo effects but you want to go quickly back to a mono setup, you need to connect OUT LEFT (mono) only. In this way FX1 & FX2 returns will be automatically summed in a single mono output.*



**Example 5** - Two stereo effects with two guitar amplifiers (or stereo power amplifier). Stereo input as well.

Signal comes from an external effect with stereo output, with a Y CABLE we connect left & right external fx to DSLM INPUT jack. *Put input switch in DW position (stereo).* First copy is sent to external effect input 1, second copy is sent to external effect input 2 with a Y CABLE (SEND).

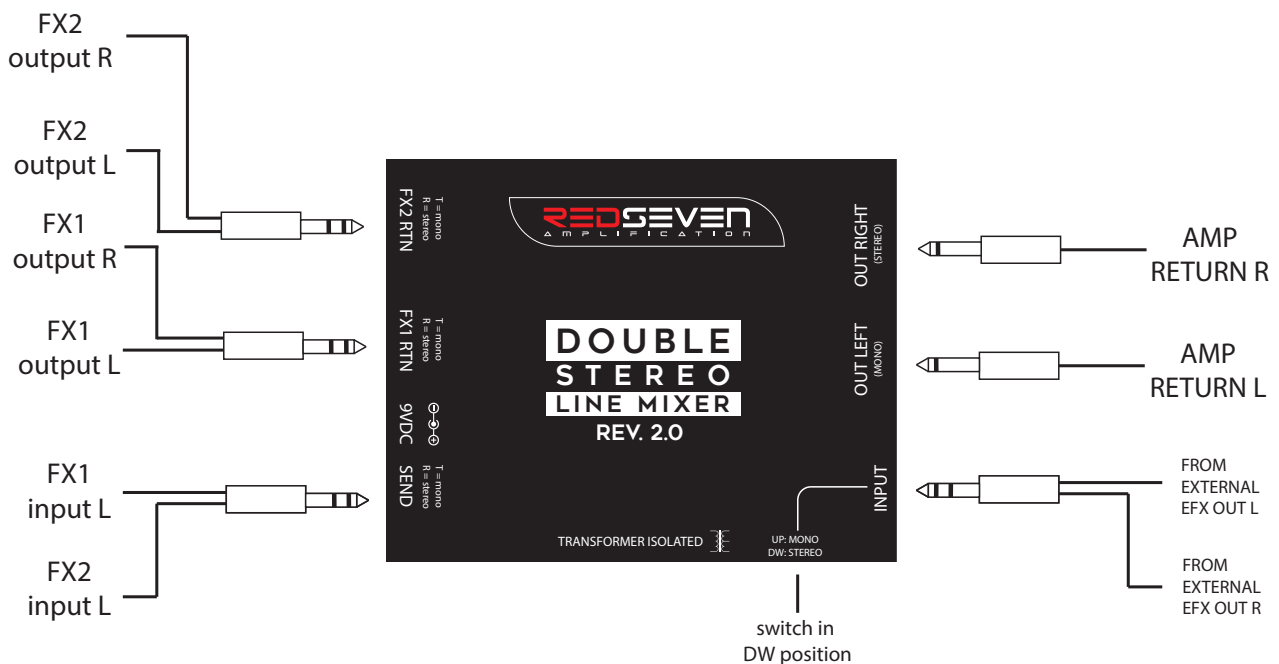
Left output of external effect 1 is sent to FX1 RETURN (tip), right output of external effect 1 is sent to FX1 RETURN (ring) with an Y CABLE.

Left output of external effect 2 is sent to FX2 RETURN (tip), right output of external effect 2 is sent to FX2 RETURN (ring) with an Y CABLE.

OUT LEFT is routed back into left power section of the amplifier, OUT RIGHT is routed back into right power section of the amplifier.

*Suggestion: use Y cable with stereo connectors only where indicated.*

*Suggestion: if you wish to mix two stereo effects but you want to go quickly back to a mono setup, you need to connect OUT LEFT (mono) only. In this way FX1 & FX2 returns will be automatically summed in a single mono output.*



## TROUBLESHOOTING

- *Dual Stereo Line Mixer is not turning on (led indicator is not turning on).*  
Please check you power supply and be sure to check an output of real 9V with negative center connector with a multimeter. If the problem still there, contact RedSeven Amplificaton.
- *Dual Stereo Line Mixer is turning on but with no sound.*  
First of all check and double check all of your cables, and we mean, ALL OF THEM. 99% of the time the problem is a faulty cable. Then check your external effects by trying them in series as any traditional overdrive.  
If the problem still there, contact RedSeven Amplificaton.
- *I'm hearing a strange chorused/flangy sound coming form OUT LEFT/RIGHT*  
Be sure to set your external effects in KILLDRY mode or if there's no possibility to do this, be sure to put the mix on your external effects on 100%.  
The goal is to NOT have any dry signal passing thru external effects.

For any question you can contact a qualified tech at: [info@redseven-amplification.com](mailto:info@redseven-amplification.com)  
We will reply to you as soon as possible.

## WARRANTY DISCLAIMER

Please, do not open DSLM's box. For any problem contact your seller or write to us. RedSeven Amplification offer a standard two years full warranty for any component (except to wear subjects).

Revision 1.0  
September 2019

Revision 1.1 – Ex5 fixed (wrong labels)  
March 2020

Revision 2.0 – Rev 2.0 model  
April 2024