



DOUBLE STEREO LINE MIXER



model: DSLM
User Manual

INDIEX

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INTRODUCTION

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

Thought as the ultimate and most 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.

The whole unit can operate at nominal +4db line level signal.

POWER SUPPLY

Double Stereo Line Mixer must operate ONLY at 9 volte negative center @100mA. Any other voltage could seriously damage the unit. His internal charge pump guarantees the optimal headroom. Do not try to apply 12 or more volts in the aim to increase the headroom, this will 100% break down the unit.

!! WARNING !!

This is a line mixer with an internal dedicated DRY PATH. This mean you MUST set the mix of your external effects to 100% wet, or where you can, to turn on KILL DRY.

The goal with this mixer is to preserve your dry tone and let the mixer take care of it, so don't let any portion of dry signal passing thru your external effects.

TECHNICAL FEATURES



(right side)

- **INPUT (mono):** this is the main input of the mixer, mono.
- **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 output will split incoming signal from INPUT to other two equal copy. If you use a mono connector, you will have one outgoing signal (on TIP), if you use a stereo connector you will have two equal 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:** 9 volts negative center power supply connector. Use only high quality power supply with at least clean 100mA supply.
- **FX1 RETURN:** this input will accommodate the mono or stereo return of your first effect. 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 the mono or stereo return of your second effect. If you're using a mono effect, a mono cable will work, if you're

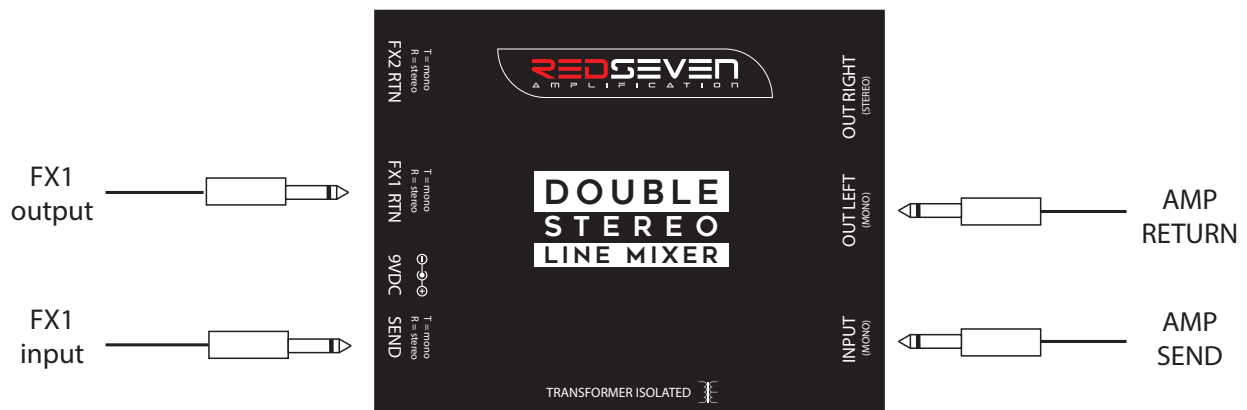
using a stereo output from your effect you must use a Y cable to accommodate left and right signal into FX2 RETURN jack

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.

Suggestion: use mono (unbalanced) connectors and wire 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.

Suggestion: use Y cable with stereo connector only where indicated.



Example 3 - Two mono effects with two guitar amplifiers (or stereo power 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 left power section of the amplifier, **OUT RIGHT** is routed back into right power section of the amplifier.

Suggestion: use Y cable with stereo connector 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.

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 5 - Two stereo effects with two guitar amplifiers (or stereo power 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**).

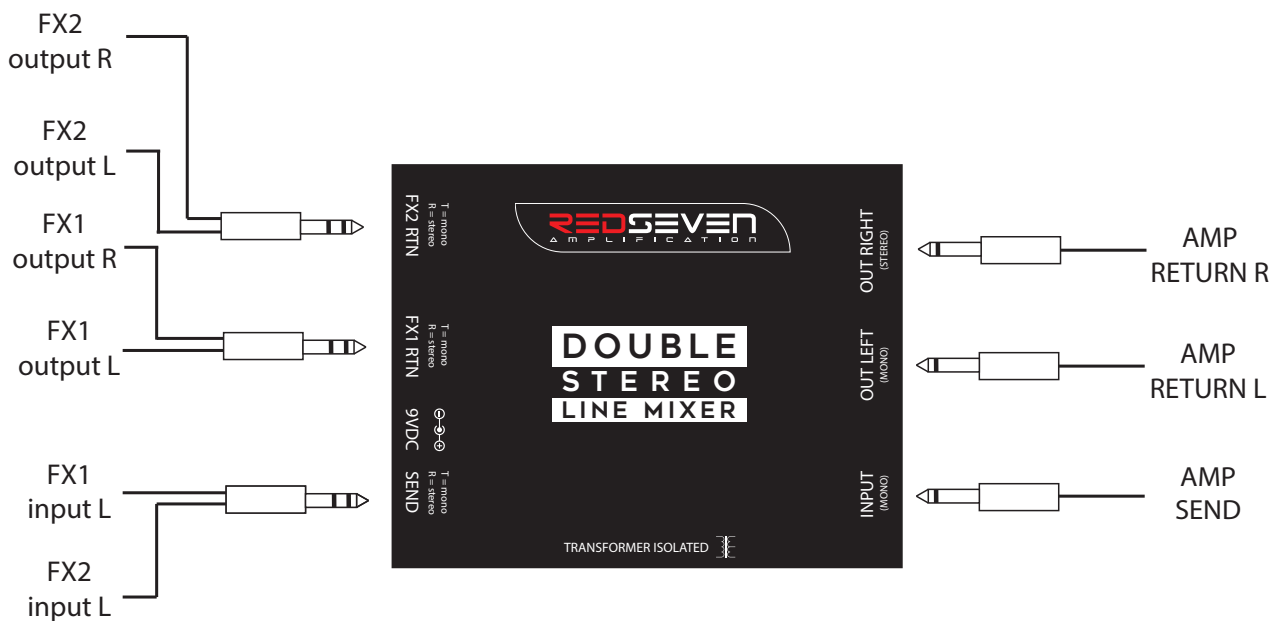
Left output of external effect 1 is sent to **FX1 RETURN (tip)**, right output of external effect 1 is sent to **FX1 RETURN (ring)** with an Y CABLE.

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 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.



TROUBLESHOOTING

- ***Dual Stereo Line Mixer is not turning on (led indicator is not turning on).***
Please, check you power supply and be sure it will output 9V with negative center connector with a multimeter. If the problem persist, 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 persist, contact RedSeven Amplificaton.
- ***I'm hearing a strange chorused/flangy sound coming form the 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 problem and in any moment you can contact a qualified tech at: info@redseven-amplification.com

We will replay to you as soon as possible.

WARRANTY DESCLAMER

Please, do not try to open the amplifier in any case. For any problem contact your seller or write to us. This amplifier runs at very high voltage that can lead to death. Any inexpert person should not even think of do anything inside this amplifier. RedSeven Amplification offer a standard two year fully warranty for any component (except to wear subjects).

By removing the amplifier form his wood cabinet or by making any modification to the original state will violate standard warranty and RedSeven Amplification will not responsible for any damage to people, things or animals.

~~Revision 1.0~~
~~September 2019~~

Revision 1.1 – Fixed ex5 (wrong labels)
March 2020