

Boss GT -100 Ver2.02 – Effects Loop

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The GT-100 is a very powerful multi effects processor with just about every effect you would ever want/ use, however if you've never owned a multi effects processor, it can be quite a lot to get your head around. In this guide I will be taking you through all the methods of connecting your guitar to the unit and how to get the most out of your GT-100 to ultimately get the best tone from your guitar and amplifier.

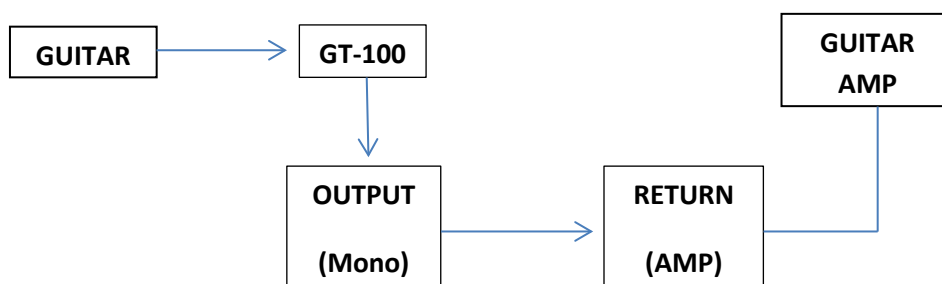
So there are three main ways to connect the GT-100 to your amplifier. The first method involves using the GT-100 via the Return of your amplifier.

1. Using the Amp Return

The GT-100 is power packed with over 27 different Amplifier models ranging from a Clean Fender Twin to a Mesa Boogie Rectifier. Whenever using the amplifiers that are built into the GT-100, you should always plug into the return of your guitar amplifier. If you plug into the front of the amp, what ends up happening if you're using a guitar amplifier (which is a pre-amp) out of the GT-100 and then your plugging it into another pre-amp which will colour your sound meaning you won't get the best result.

(Note: See diagram below as to how this method is set up and the flow of the signal path)

Diagram 1 - Using the Amp Return



2. Using Guitar Amp (Turning off GT-100 Pre Amp)

When Plugging into the front of your guitar amplifier i.e. Using your amplifiers Pre-Amp, you need to turn off the pre amp in the GT-100. To do this you need to press the Effect Button. This will display your effects chain. From here you need to scroll across to PrA(Pre-amp A) and Turn it off. If you are using stereo mode using a stereo amp or two amplifiers, you will also need to turn off PrB(Pre-amp B). Using this method allows you to use the GT-100's effects by themselves however this will not give you the best sound. This brings us to the final part of this tutorial.

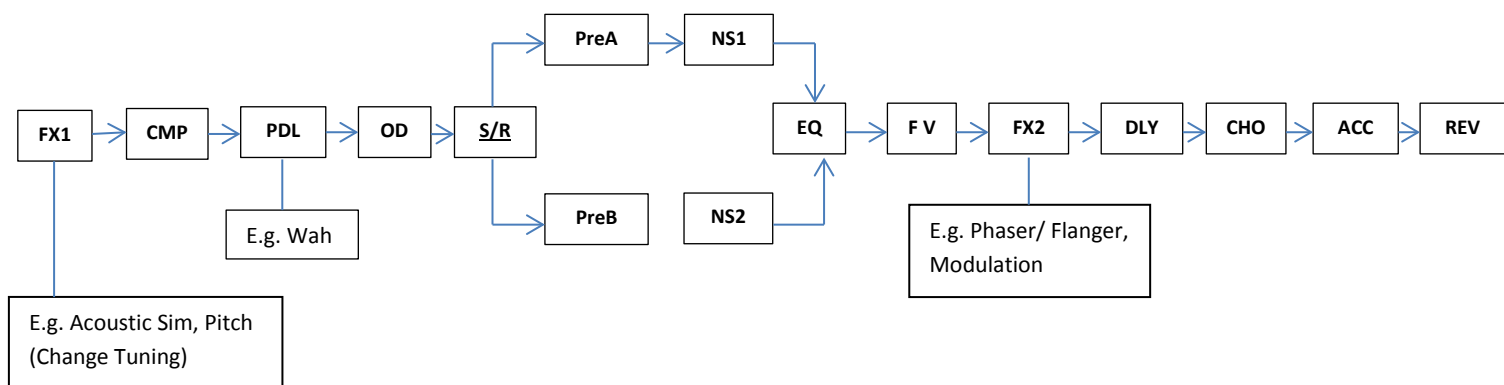
3. Using the Four Cable Method

The beauty of the “Four Cable Method” is that it allows you to keep the effects from the GT-100 in the proper order, but keep your own pre-amp from the guitar amplifier instead of using the pre-amp in the GT-100. Before using this though, you need to understand a little about the effects chain and how amplifiers work.

- **Understanding the effects chain**

The effects chain essentially is the order of your effects. Then general rule of thumb, is any time you are changing the characteristic tone of the guitar, those effects should come before the pre-amp. Those are effects such as: Compressor, Wah or Overdrive. Effects that should come after the pre-amp are when your adding something to the tone and that’s effects like: Reverb, Delay, Chorus, Phaser/ Flanger and Modulation type effects.

Diagram 2 – The Effects Chain



- **Understanding amplifiers**

All amplifiers essentially have two parts. The pre-amp section, which gives you the amount of Gain or dirt and the EQ controls being your Bass, Middle and Treble. Then the second part the power amp which is essentially just volume. In between the pre-amp and the power amp is the effects loop, the Send and Return. By using the Send and Return, you saying to the GT-100 I want to use the guitar amplifiers pre-amp, not the GT-100’s. The benefit of this is that your effects stay in order of the effects chain.

(Note: When using the effects loop, you need to turn the S/R(Send and Return) on, making sure that it is in front of the pre-amps in the effects chain)

- **Connecting the GT-100 via Four Cable Method**

Now that we have an understanding of how the effects chain and amplifiers work we can connect start connecting the GT-100 via the four cable method.

To do this you will need:

-Boss GT100

-4x Guitar Leads(Try to get 4 different colours. It just makes things easier)

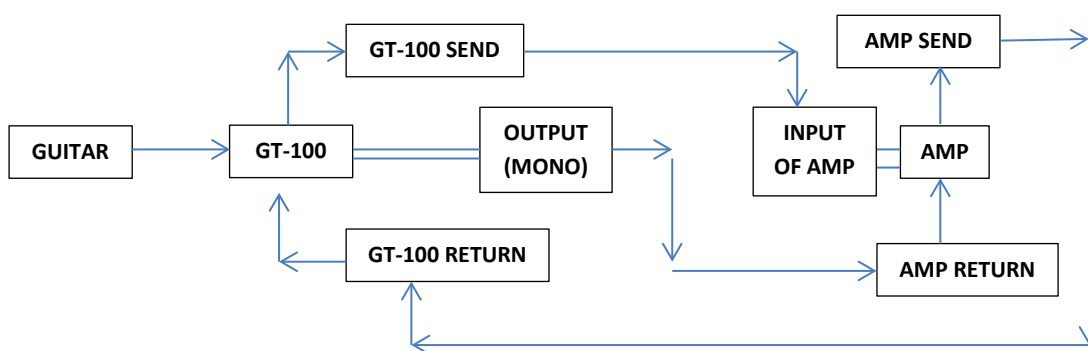
-A Guitar Amplifier that has Send and Return Inputs (Usually located on the back of the amp)

So we need to start at the GT-100.

1. Take 1 lead and connect it into the “Send” input of the GT-100 and plug it into the “front input” of the guitar amp.
2. Take another lead and connect it into the Return of the GT-100 and plug it into the “Return” of the guitar amp
3. Take another lead and connect it to the “Output(Mono)” input of the GT-100 and plug it into the Return of the guitar amplifier. (Note if your have an amp such as a Roland JC-120 or GA-212, you will have two Returns at the back of the amp. To utilise the stereo sound of your amp you can also run a Fifth lead from the “R-Output” to the Second Return of your Amp)
4. Plug your guitar into the GT-100 and power on both your guitar amplifier and the GT-100.
5. Press the Effects Button on the GT-100 and scroll through the effects chain the Send Return and turn it on.

Diagram 3 – The Four Cable Method

(Note: Arrows indicate the flow of the signal path)



Final Tips

Be sure to tell the GT-100 what you are plugging into. To change this, press the “System Button” and select from the different amp types. When plugging in via the Return of an amplifier and using the four cable method, be sure to select either the JC-120 Return, Combo Amp Return or Stack Return depending on what amp your are using. This can be the difference from an okay sound to a great sound. Thanks for reading my guide and I hope this has helped.