

The Filter/Buffer contains six -24 dB per octave high-pass filters, processing the output from the divided hex guitar synth pickup.

The high-pass filters are always on, and are powered by the attached guitar synthesizer.

The Filter/Buffer has two auxiliary inputs, inputs **A** and **B**.

**a) - Auxiliary Input - 1.** This is a high impedance input specifically designed for the typical output from a guitar with passive electronics.

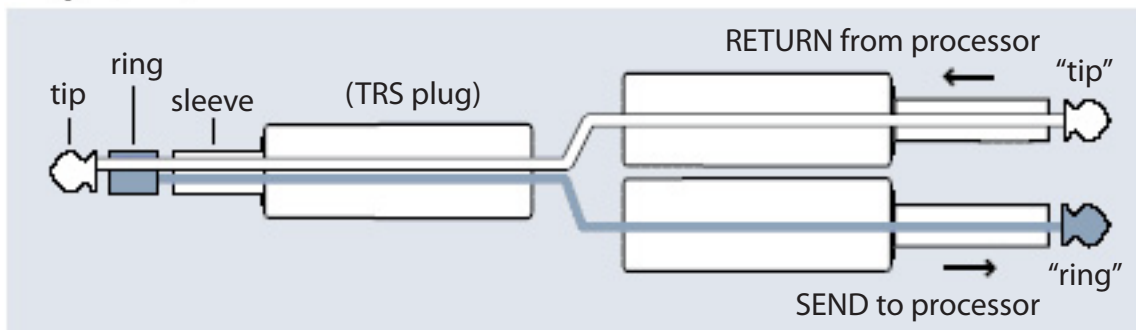
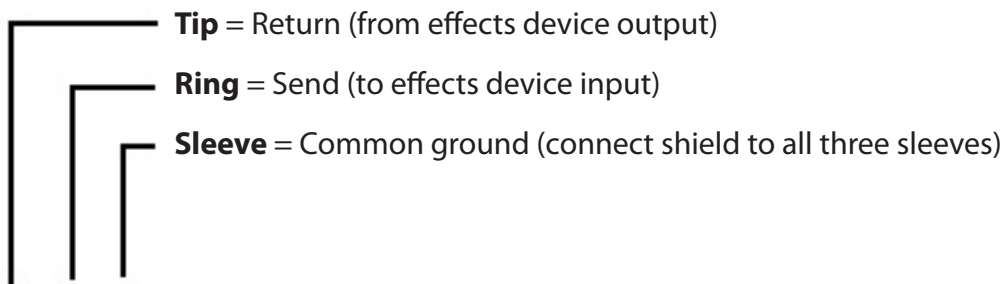
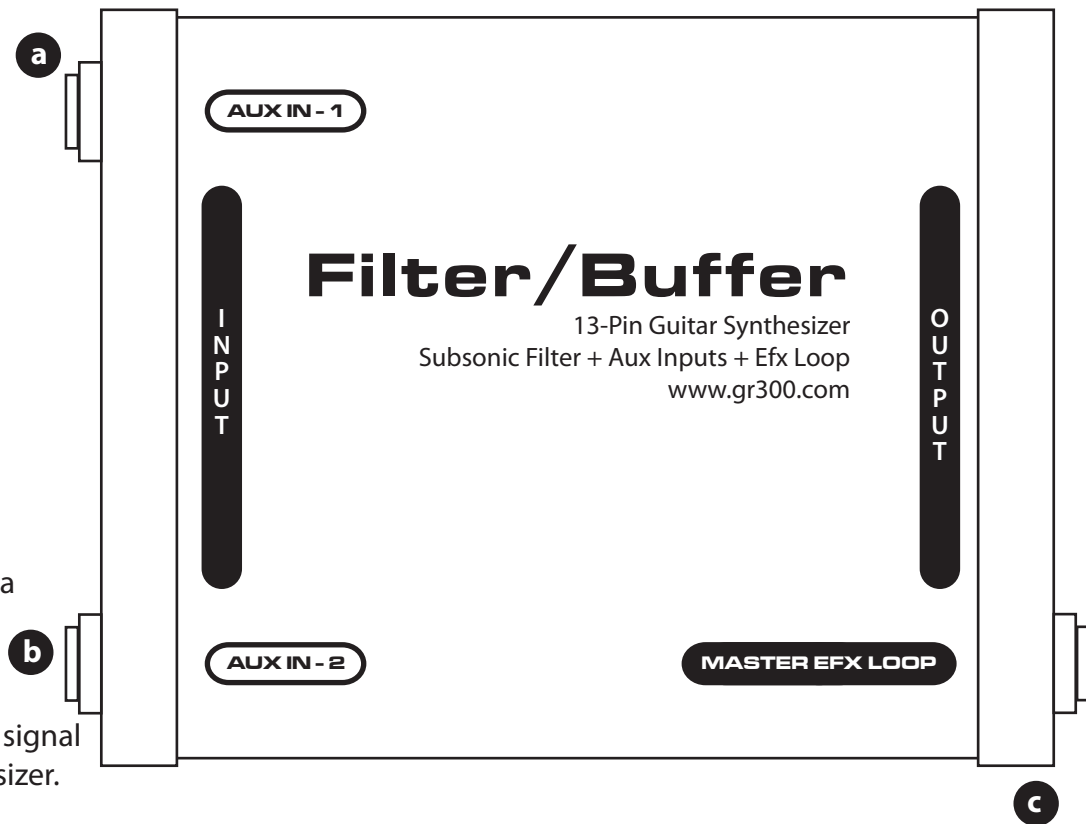
This input is always on. Plugging a guitar into this input sends the input signal to the attached 13-pin Guitar Synthesizer.

While this input is designed for guitar signals, it can be used with any audio source. This input is a tip-sleeve, unbalanced input.

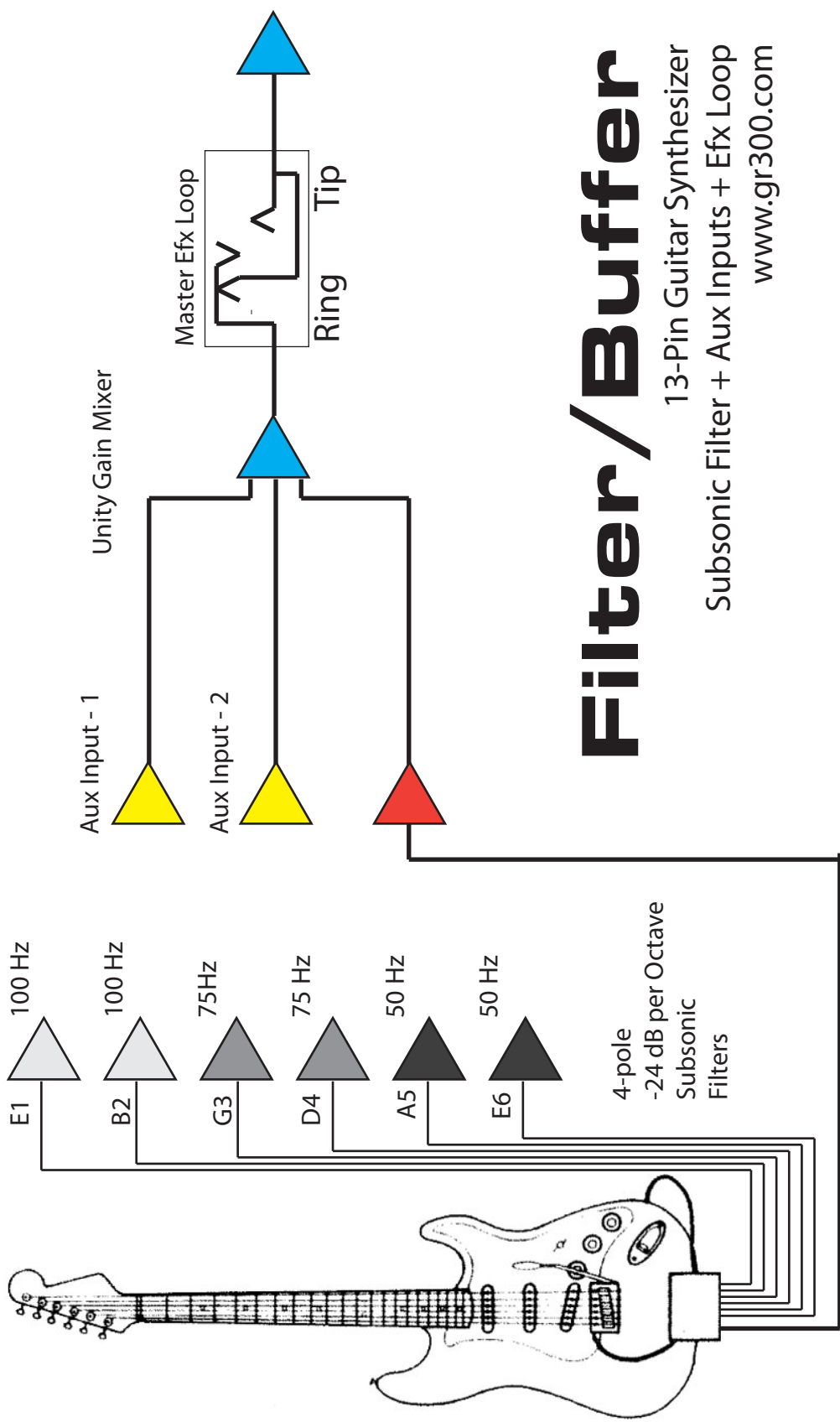
**b) - Auxiliary Input - 2.** This input is identical to the Auxiliary Input 1.

Both Auxiliary Inputs 1 and 2 are actively mixed with the normal guitar signal sent from the attached 13-pin guitar. This means that up to three guitars (or similar) can be used with guitar synthesizer at the same two.

**c) - Master Effects Loop.** After the three normal guitar signals are combined, they are sent to the Master Effects Loop. The Master Effects loop is a tip-ring-sleeve (TRS) jack. The RING connection is the send, and the TIP connection is the return.



The master effects loop allows all three guitars (guitar synth input, auxiliary input 1, and auxiliary input 2) to be processed at the same time, through external effects.



# Filter/Buffer

13-Pin Guitar Synthesizer  
 Subsonic Filter + Aux Inputs + Efx Loop  
[www.gr300.com](http://www.gr300.com)