

TTH - The Two Timing Hussey



Thank you for your interest in the *Two Timing Hussey (TTH)*. Besides being able to switch in/out 2 effects or 2 groups of multiple effects, it can also add True-Bypass to your non-true bypass effects like vintage fuzz faces, wahs, echoes, etc. Some of the older effects that do not have true bypass switching rob tone when they are off - the *TTH* can fix that by allowing you to add true bypass switching around the entire effect.

Here are some of the features:

- Toggle between 2 effects or 2 chains of multiple effects with one stomp
- Switch between the selected effect chain or bypass them both entirely with one stomp
- Passive Switching allows you to Operate with or without power (either 9v battery or 9V wall wart)
- Three LEDs (Red, Green, Blue) to let you know which effect chain is selected, and if the selected effect(s) is bypassed or not.
- True Bypass switching to prevent any coloration of the signal by the *TTH*.

There are 4 jacks at the top of the *TTH* - this is where send and receive are plugged into the effects. The 'Send' (the up arrow) of the *TTH* is plugged into the 'Receive' (input) of the effects and the 'Receive' (the down arrow) of the *TTH* is plugged into the 'Send' (output) of the effects.

The right hand side is where the input of the guitar is plugged into, and the left hand side is where the amp is plugged into.

The Wall Wart jack is located at the top of the *TTH* in the middle and if you want to use it, it requires a 9VDC boss type connector.

If you want to operate on battery, there is a battery clip inside the *TTH* to allow you to use the LED's on battery power. Note however that power is only used to light up the LED's - the *TTH* will switch normally without any power as it uses a passive 3pdt to do True-Bypass switching.

Hooking up the *Two Timing Hussey*.

To switch between 2 effects:

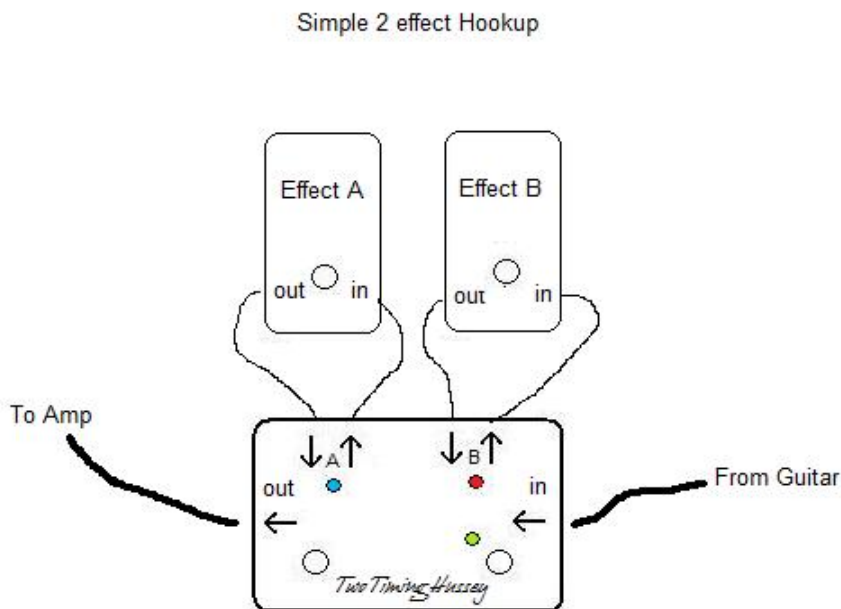
1. Plug the 'Send' of A on the *TTH* (the upward arrow) to the input (receive) of effect A.
2. Plug the 'Receive' of A on the *TTH* (the downward arrow) to the output (send) of effect A.
3. Plug the 'Send' of B on the *TTH* (the upward arrow) to the input (receive) of effect B.
4. Plug the 'Receive' of B on the *TTH* (the downward arrow) to the output (send) of effect B.
5. Plug the Guitar into the 'In' on the *TTH*. At least one LED will light up - if not, and you want the LED indicators to work, either replace the 9V battery or plug in a 9V wall wart. If you don't want the LED indicators, then power is not necessary as the switching will work normally without power.
6. Plug the amp into the 'Out' of the *TTH*.

That's it! You are ready to go -

Assuming the green LED is off, this means that the effects are bypassed even though either the red or blue LED is on. The Red or Blue LED simply indicates which effect is selected - the green LED must be on to actually engage the selected effect.

To engage the selected effect, step on the 'Bypass' switch - this will turn on the green LED and engage the selected effect. (Blue LED will indicate you have selected effect 'A', the Red LED will indicate you have selected effect 'B')

To switch the selected effect, step on the 'A/B' switch and either the Blue or the Red LED will light up indicating which effect is selected.



Note that you can switch the selected effect either with the bypass on or off - this allows you to immediately switch between 'A' and 'B' effects while they are engaged as well as when they are bypassed.

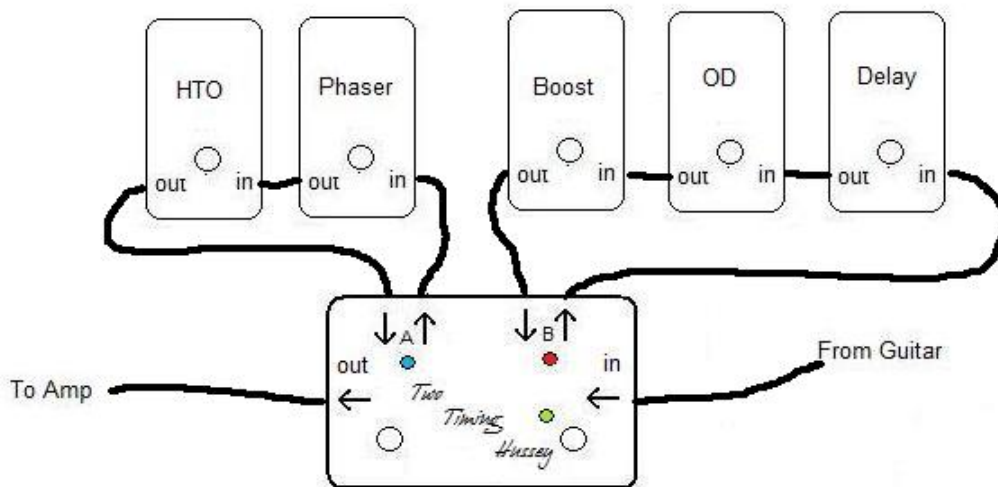
To switch between 2 effect chains:

Follow steps 1 through 6 above, with the only difference being that you plug in the 'Send A' of the *TTH* to the input of the first effect in your 'A' chain, and the output of the last effect in your 'A' chain to the 'Receive a' of the *TTH*. Then hookup your 'B' chain similarly to the 'Send B' and 'Receive B' on the *TTH*.

Now you can bypass or select between two entire chains of multiple effects at the step of a switch on the *TTH*!

Notice too, that if ANY of your effects are not true-bypass, by connecting them to the *TTH*, you have effectively made them ALL work as if they were true-bypass ... when the green LED is lit, there is NO coloration of signal and NO tone loss!

2 chains of multiple effects



Other uses for the *TT4*.

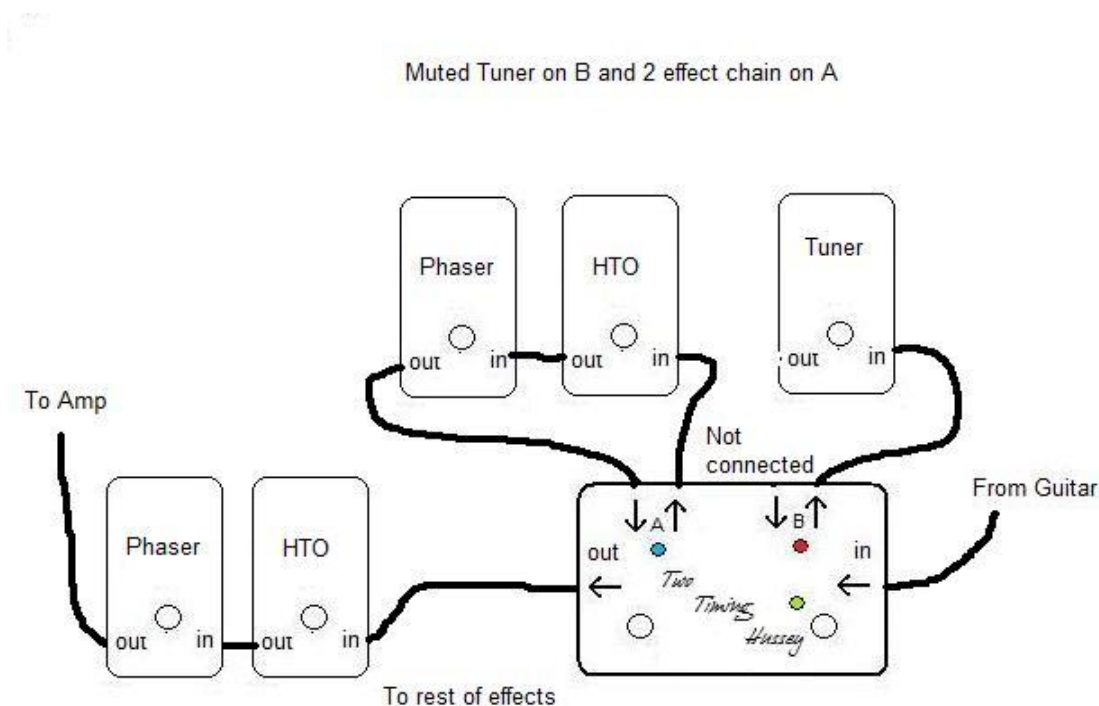
Muting tuner:

In addition to its use described above there are other applications, for instance you could leave a tuner connected to your effects chain and use the *TT4* to mute the tuner. To do this:

1. Hookup the guitar to the 'IN' of the *TT4*
2. Hookup the 'Out' of the *TT4* to the first effect in your normal effects chain.
3. Hookup the 'Send B' of the *TT4* to the input of your tuner.
4. Do NOT connect anything into the 'Receive B' of the *TT4*

Now, when you select the B channel (the Red Led should be lit - step on the A/B switch if it's not) and the Green LED is Lit (Step on the Bypass switch if it's not) the tuner will be engaged, but muted.

Additionally, you can still put an effect (or chain of multiple effects) on the A channel and still use the *TT4* as a bypass for the A channel. Even though you give up channel B to the tuner, the A channel can still be useful if you want to switch in/out a multiple effects chain (for instance you can toggle a chain with a phaser, a distortion and a boost by stepping on one stomp switch instead of three)



Switching Multiple Guitars:

Ever wish you could switch between guitars without unplugging/plugging the guitar cord? Here's how to hook up the *TH* to switch between 2 guitars:

1. Hookup guitar 1 to 'Receive A' (down arrow). Leave 'Send A' unconnected
2. Hookup guitar 2 to 'Receive B' (down arrow). Leave 'Send B' unconnected
3. Hookup your amp (or the beginning or your regular effects chain) to the output.
4. Make sure the green LED is lit (step on the Bypass switch if it is not lit)

The Blue and Red LED's will indicate which guitar is selected - Blue is guitar 1 (on A), Red is guitar 2 (on B). Simply step on the A/B switch to switch between guitars.

For 3 guitars, follow the same steps as for 2 guitars and plug guitar 3 into the input (the jack on the right of the *TH*). To switch to guitar 3, simply step on the Bypass switch - when the green LED is NOT LIT (regardless of whether the Blue or Red LED is lit), guitar 3 is selected. To select Guitar 1 or Guitar 2, make sure the green LED is LIT (using the Bypass stomp switch) and step on the A/B switch to light up the LED corresponding to the Guitar you want.

