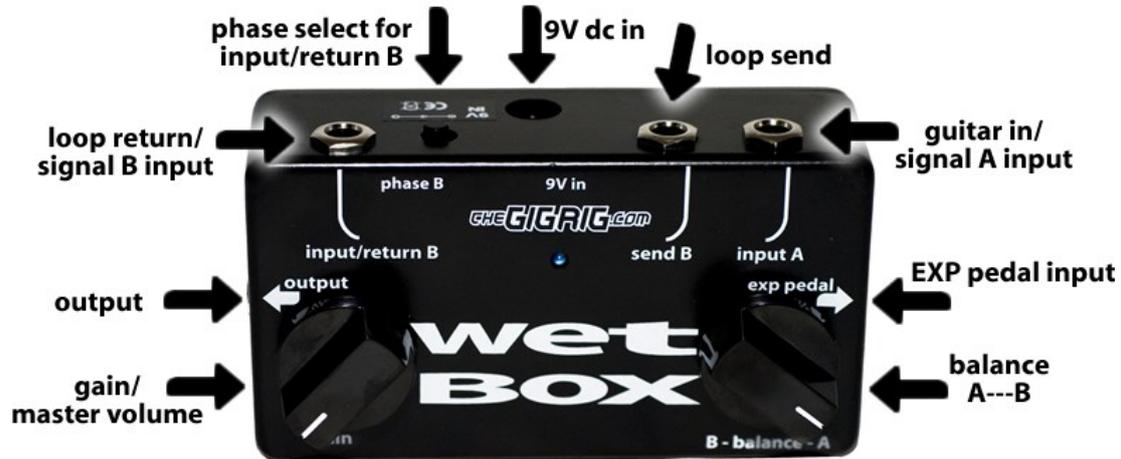


TheGigRig™ Wet Box Manual

TheGigRig WetBox is the ultimate guitar/effects signal mixing system. It can be manually set or controlled by the GigRig EXP Expression pedal and used on your pedal board, in the input or in the effects loop of your amp.



Basic operation:

There are so many great ways to use your Wet Box, here are just a few examples.

1. As a parallel mixer

You start with your guitar signal in 'signal A' input. The guitar signal is split at this point and a mirror image of what is at the input is sent out of send B. Plug the send B into the input of the effect you want to mix in parallel with your original signal. You can plug anything in here from Fuzz's to delays, even drum machines. The output of the effect is plugged into the 'return B'. Use the '**balance**' control to balance between the 'A' signal (your original signal) and the 'B' signal (the effect that is in the parallel loop). Use the '**gain**' control to set the overall level of gain or master volume. Using the 'gain' control the output can be boosted by 2 or attenuated (reduced) to 1/3.

Phase switch - If as you mix the effect into your original signal the output seems to get weaker, this means that the effect that is in the loop is 'out of phase' with your original signal. Simply select the phase button to change the phase at 'input b' to correct this problem. The phase switch reverses this signal before it is mixed with input A.

2. A---B mixer

This is a really cool way to use the WetBox. If you split your original signal before the WetBox (with a HumDinger for example) and send these two signals into 2 different effects (Chorus and OverDrive for example) you simply take the outputs of these two effects and plug them into 'input A' and 'input B'. Now as you dial the balance knob you can 'blend' these two effects in parallel. Try it, it sounds amazing.

3. Amplifier Parallel Effects Loop Mixer

If your amplifier has an effects loop the WetBox enables you to mix effects in parallel with your amplifiers original signal. You set this up the same as the 1st example (parallel Mixer) the only difference being that your input to the WetBox is the 'SEND' from your amplifiers effects loop. The output of the WetBox is plugged into your amplifiers 'EFFECTS RETURN'.

You can now mix your effects in phase and in parallel with your original signal. Pair this with TheGigRig Remote Loopy2 for ultimate amplifier effects loop switching control.

Wet Box EXP Expression Pedal... If purchased.

If the GigRig Wetbox Expression Pedal (Wetbox EXP) is used then the balance control knob will be over written by the EXP expression pedal as soon as it is plugged in... The expression pedal can then be used to control the balance between input 'A' and input 'B'. The Wetbox Expression Pedal also has a volume control in and out. This is a totally independent circuit and therefore can be used at the same time as the expression balance control EXP input.

TIP- delay trails

You can use the EXP pedal's **vol** in and out between the 'send A' and the delay pedals input. Set the mix at the balance control on the WetBox. Now with the EXP pedal all the way on the delay pedal will see the original signal and the effect will be mixed in with the original. As you back off the EXP pedal it reduces the signal to the delay, this means that you can turn down the delay effect but still get the delay trails in your signal...how cool is that!

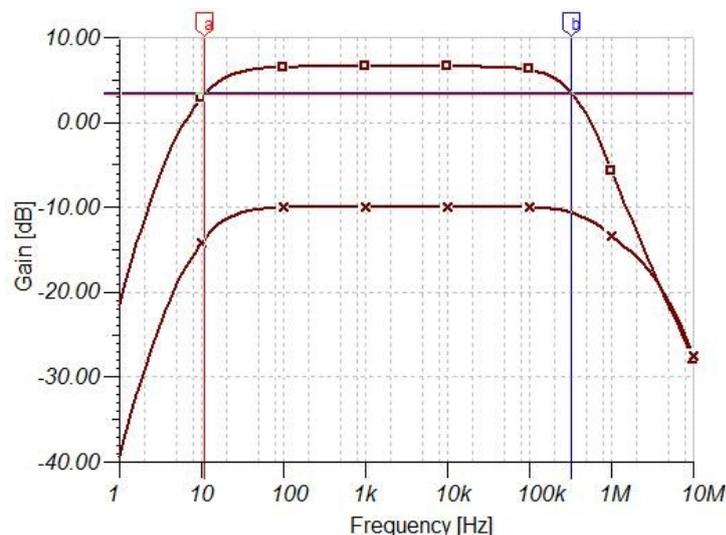
The expression pedal has a small knob on the left hand side. This sets the maximum amount of mix. By backing of this control you can set the foot controller so a proportion of input A is still present when the foot pedal reached maximum. (Toe down) This is ideal for mixing in maximum delay levels. Note: the expression pedal for the WetBox is sold separately and can be used as a simple foot operated volume control.

Wet Box Applications:

- **Mixing in effects Pedals** (real time blending of wet and dry sounds)
- Sending signals to delay pedals and playing over the delayed sound
- **Instantly compatible with all GigRig Products** (the WetBox can be used directly in GigRig loops)
- **Phase correction for acoustic guitars** (the phase switch can be used to kill feedback or enhance tone)
- **Using two guitars into one amplifier**
- **Buffering and phase correcting guitar signals**, Some effects pedals reverse the phase off the output and hence cause problems when mixing. The Wetbox can be used to re-establish true phase
- **Blending in drum machines or recorded material**
- **Blending in echo, real time.** (use the EXP pedal or knob to control the amount of echo real time. Within a song or lead break... When used with your existing echo pedal)
- **Use with Humdinger or 'Y' cable** to blend between two effects.
- **Complex expression pedal volume controls...**(use use a volume control with buffer or phase change.)

Technical Data:

Frequency response performance Showing Max gain and minimum gain



Bandwidth: 3dB bandwidth of both inputs 'A' and 'B' is 10Hz to 300KHz Studio Quality and beyond.
Mixer: Simple High level transistor mixer. Low latency, non op-amp design. Max input at min gain = 3V p-p
Power: External power supply minimum 20mA regulated. Thermal and short circuit protected (see the GigRig Generator). Protected against reverse polarity inputs. Centre negative supply required. Will work from 7V up to 20V...
Current consumption. all LED on = approximately 10mA. At 9V input.
Gain Range: Max gain +6dB. Maximum attenuation -10dB
Volume in and out. 100k Lin pot... separate circuit, can be used as a volume pedal.
Inputs: Input impedances of input A and input B is about 1M, both are AC coupled.
Outputs: Output 'A' and Send 'B' have buffered cable driver outputs. Output impedance set to 330R
Physical size: Dimensions: 125mm X 70mm X 62mm. including height of Switches.

All values are approximations. No responsibility will be taken for errors or omissions in the above specification.

This specification is subject to change without notice. Consult our Web site for amendments.

Do not use TheGigRig loopy2 in wet conditions. If TheGigRig Loopy2 accidentally gets wet, it should be left in a warm dry place for 24 hours before it is used or stored. (Remove the base to aid drying.)

Legal Stuff:

GigRig products are protected by copyright, moral rights, patent and design registration.

GigRig Patent Granted GB2405987

GigRig USA Patent Pending US10/937,997

GigRig Design Registration # 3014412

'GigRig' is a stylised trademark. No 2343300

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Compliant to BS EN 60950-1:2002 Safety standards

This product should not be disposed of in household waste!

www.thegigrig.com

