

TheGigRig™ Midi 8 Manual



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1. Introduction

I would personally like to thank you for purchasing TheGigRig Midi 8 and would also like to congratulate you on having such great taste!

TheGigRig Midi 8 is the ultimate floor based dynamic audio guitar effects switcher and amp. management system. It is the product of five years of research and design, 12 months of product development and a lifetime of musical experience.

At the press of a footswitch you have instant access and control over:

- 6 effects loops (1 stereo)
- 512 foot controllable MiDi signals (8pre-sets x 8 banks x 8 channels).
- 1 Remote switche (controlling amp effects or channel selection)
- 2 selectable outputs (one output is isolated to remove hum!)
- 8 easily programmable presets, each with its own bypassable volume control amp booster
- True Bypass select to send your guitar signal direct to your amp

Using TheGigRig, your guitar signal will stay intact and will completely bypass any unselected effect loop or audio function.

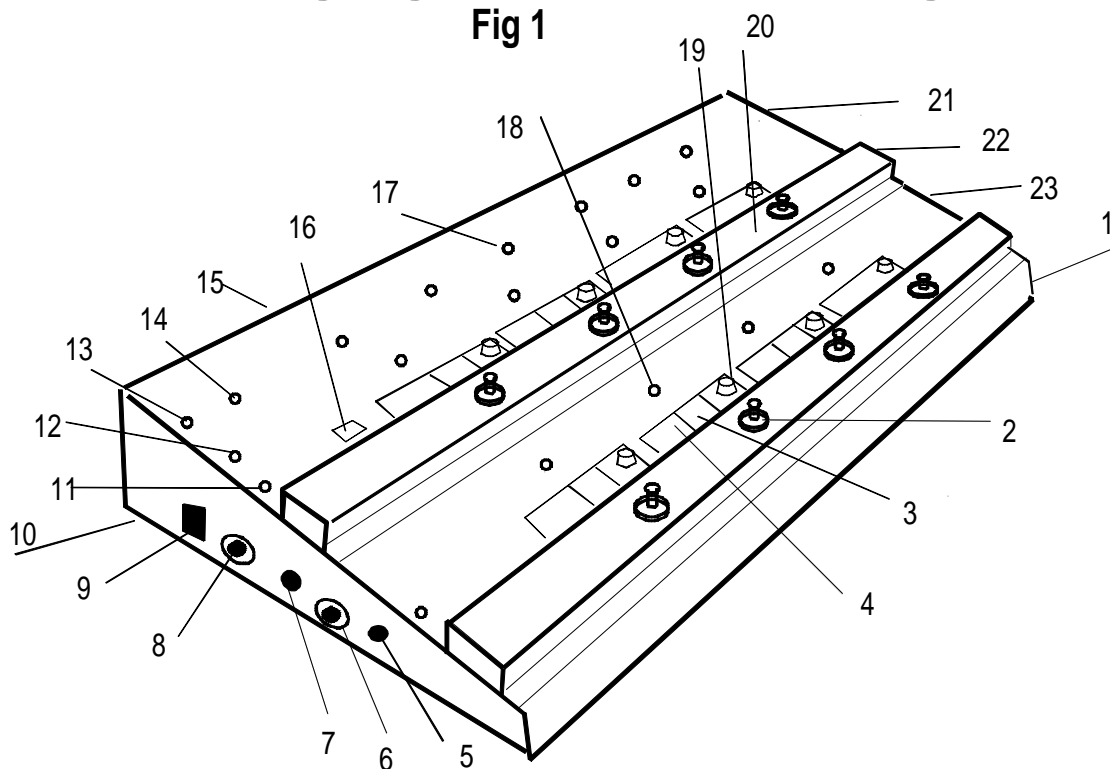
The tonal advantages TheGigRig Midi 8 gives you must be heard to be believed and the amount of control it offers you is staggering. What's more, the old problems associated with effect pedals such as tone sucking, signal degradation, volume sags and the famous tap dance are no longer an issue. TheGigRig Midi 8 takes care of the lot.

All you need to do now is decide, 'how do I want to sound today?'

Enjoy

Daniel Steinhardt
www.thegigrig.com

2. TheGigRig Midi 8 Main Diagram



- | | |
|------------------------------------|--|
| 1. Strong metal Lid | (lid and tray construction) |
| 2. Foot switch | (8 strong foot or hand operated switches) |
| 3. Control mini switches | (6 mini switches) Replaceable.) |
| 4. Effects loops mini switches | (4 mini switches) Replaceable.) |
| 5. Phase Switch | (Reverses phase of out 2) |
| 6. Output 2 (isolated) | (Jack Socket) |
| 7. Expand out/in | (For use with two or more GigRigs) |
| 8. Output 1 (Main amp) | (Jack Socket) |
| 9. 9V input | (use TheGigRig Midi 8 supply only) |
| 10. Box base | (steel tray base) |
| 11. Output 1 LED indicator | (on when output is live) |
| 12. Post volume level indicator | (Brightness shows volume setting) |
| 13. Post volume on indicator | (on when post amp is in the signal path) |
| 14. Remote switch 1 LED | (normally closed when LED is off) |
| 15. snd and rtn for effects pedals | (6 separate loops at back of unit.) |
| 16. Mode toggle switch | (single or multi patch for top rail) |
| 17. Effects loop LED | (on when effect is in the signal path) |
| 18. Pre-set LED | (on when patch is selected) |
| 19. Post volume control | (Volume control for each patch) |
| 20. Top reinforced switch rail | (Strong Chrome rail for stomping on) |
| 21. Midi output | (MIDI output to control Amp, effects, etc) |
| 22. Guitar input (on side) | (Input from guitar or other instruments) |
| 23. 9V output (on side) | (Used to power all your 9V pedals etc.) |

3. TheGigRig Midi 8 Quick Start

Using TheGigRig Midi 8 couldn't be simpler.

Connect your GigRig to your amplifier before applying power to your GigRig.

Plug the effects you wish to use into the effects loops in the back of TheGigRig Midi 8, in the order you wish to use them (1 to 6). The effects send (snd) plugs into the input of your effect and the output of your effect plugs into the return (rtn).

Your signal path moves from right to left, from effects loops 1~6.

The order in which you place your effects makes a big difference to your sound, so experiment and find the sounds you like. (For more info, see the FAQ section or web site. www.thegigrig.com)

Now plug your amp(s), into the output(s) on the left-hand side of TheGigRig Midi 8.

Let's take a look at one of the 8 pre-sets:



The 6 effects loops' switches operate the effects loops in TheGigRig Midi 8.

The 4 Control switches operate the control functions; these are:

- 1- Post volume; you can set a different volume for each pre-set in mode 1.
- 2- Remote switch 1 (normally closed)
- 3- Out 1 mute
- 4- Out 2 mute

To programme, simply turn on the effects loops and control functions switches you want for your sound then move to the next patch and do the same again. **That's It!**

When you step on the pre-set, this selects the effects and controls from the associated patch, as shown in the picture, so only effects loops 5, will be 'on'. As all the other functions are switched 'off', foot switch 1 will place the effect connected in loop 5 between your guitar and your amp. There will be nothing else in your signal path, nothing, not a sausage!

Remember, this is just a quick start guide. Because there are so many fantastic ways to use TheGigRig Midi 8, we suggest that you take the time to read through the manual and F.A Q.s.

You will learn how to:

Press a single footswitch and change channels in your amp, turn on and off reverb, select any combination of effects loops, any combination of outputs (either or both!), control input and output levels.

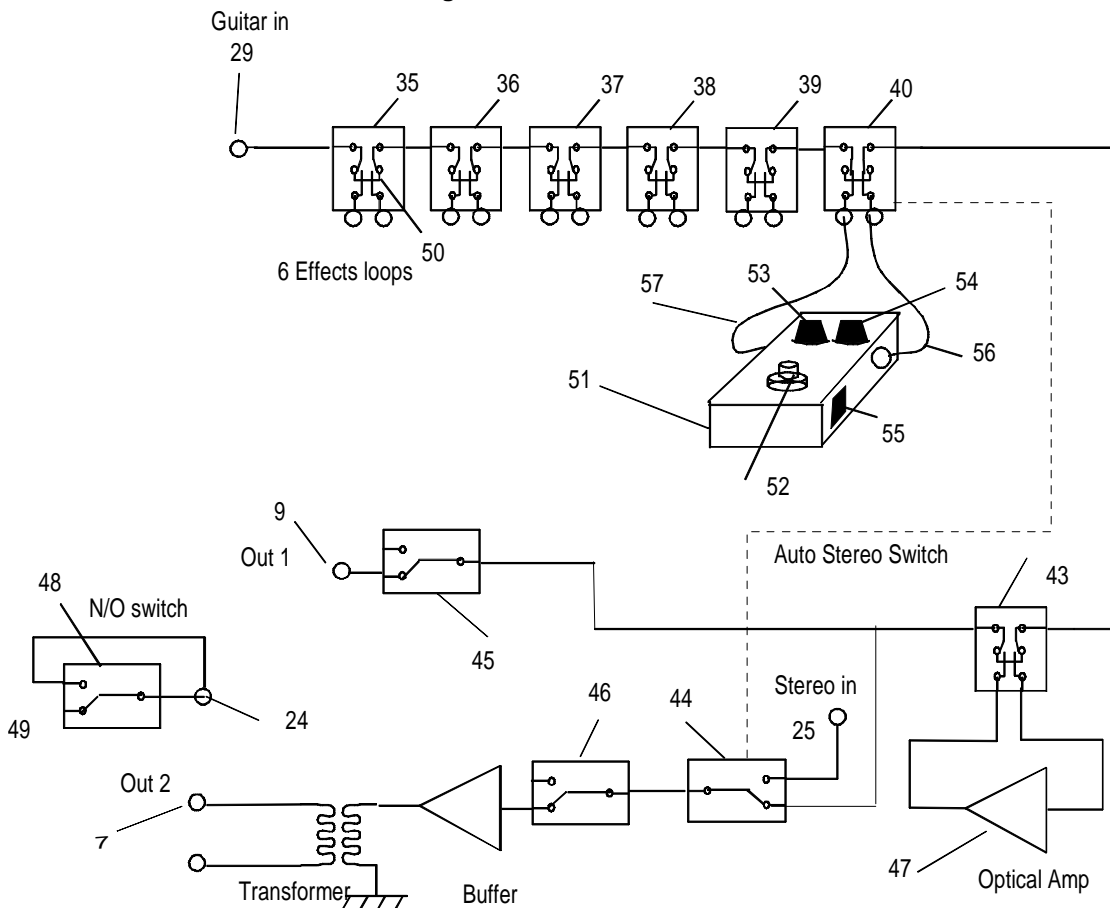
If you have 2 amps each with built in effects loops, you can even choose which of your amplifiers' pre-amps is sent to which power amp!

All of this is with the most direct and pure signal path possible.

TheGigRig Midi 8s main relays are arranged as shown in Fig 3 below:

29 is the guitar input. 9 is out 1, 7 is out 2. 25 is the stereo input.

Fig 3



End Of the Quick start..... Keep reading to become an expert:

4. Effects Loops

At the heart of TheGigRig Midi 8's unique audio switching capabilities are the six effects loops located on the back of box.

Each of these effects loops has a send (snd) and a return (rtn) except for loop 6 which has 2 returns for stereo effects. The effects loops are numbered 1~6 from right to left so as to illustrate the direction your guitar signal travels.

E.g. your guitar signal travels from the input on the right hand side of TheGigRig Midi 8 to the first effects loop i.e.: effect loop number 1, then 2 and so on, until it reaches number 6.

From there, your signal travels to the outputs.

Your effects are plugged into these effects loops. The send (snd) from TheGigRig Midi 8 is connected into the input of your effect and the output of the effect back to the return (rtn).

The order in which you place your effects does make a difference to your sound.

Check out the F.A.Q's section for more details on effects order; however, back to those effects loops and why they are the key to retaining your tone!

Normally when effects pedals are plugged into each other in series you get what is known as tone sucking or volume loss.

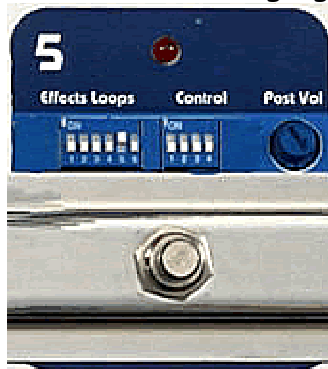
Most pedals act as a filters, even when the pedals aren't on; the more pedals you have in your chain the more filtering you get, so less of your higher frequencies get through, **this means less tone!**

TheGigRig Midi 8 completely solves this problem as your guitar signal only travels through the effects loops that are selected for each of the particular sound you use.

You can now connect in all your other less frequently used pedals, they will no longer causes problems to your much-loved tone, *if they are not selected, it is as if they don't exist.*

So how does it do that?

Let's take a closer look at one of TheGigRig Midi 8's 8 pre-sets.



Each of TheGigRig Midi 8's effects loops are controlled by a gold contact relays. This is a high quality switch that, when activated will send your signal through the effects loop or will bypass the loop completely. These relays are inturn controlled by the mini switches on each pre-set they are marked 'Effects Loops'.

With the pre-set above effects loop 5 has been selected.

When you step on this pre-set, your guitar signal will travel from the guitar input through effects loop 5 **ONLY**. **Everything else is completeley bypassed.**

The difference this makes to your tone is amazing. You get the shortest, purest signal path possible. You can now switch in other effects loops to create your sound.

Look at the F.A.Q's section to see how to use the effects loops in TheGigRig Midi 8 in combination with the effect loop in your amp.

If you use more than one guitar such as a spare for when you break a string or an electro acoustic, you can plug these into the effects loops and control them with TheGigRig Midi 8.

For example, an acoustic guitar could be plugged into effects loop 1 and switch in or out using the GigRig. You can also use the isolated output 2 to send your acoustic directly into the P.A. without introducing hum.

You can then programme a pre-set for the songs in which you use an acoustic. Therefore, when you step on it, it will disconnect your main guitar plugged into 'guitar in' and mute the output to your amplifier sending your acoustic straight to the front of house system.

You can make TheGigRig Midi 8 as simple or as complicated as you like. That's the whole point. It's entirley up to you.

5. Control Functions

TheGigRig Midi 8's unique control functions make it both powerful and flexible.

Each of the 8 pre-sets has a row of six mini switches, which operate the control functions.



These are:

1. Post Volume
2. Remote Switch 1
3. Output 1 Mute
4. Output 2 Mute

Let's go through them one at a time.

1. Post Volume.

This is a class 'A' optically controlled amplifier on the output of TheGigRig Midi 8.

It was designed not to mess with your tone and is of the highest audio quality.

The circuit for this post effects amplifier is on its very own relay so you must turn on switch 1 for the Post Vol pot. to have any effect.

(When we say true bypass, we mean true bypass).

This volume control can cut your output by 2/3rds or boost it by X3.

Use the small volume pot. next to the control switches to control the level.

This is perfect for boosting solo sounds or compensating for the drop of output in some old effects pedals. More than this it also

compensates for loss of tone when using long leads to your amplifier.

Furthermore, as it is 'post' effects loop it won't mess with the sound of your effects.

2. Remote switch.

If you use an amplifier with built in effects such as reverb or vibrato or an amp with two channels, then this remote switch is priceless. The amp can now be controlled by TheGigRig Midi 8.

Instead of plugging an extra footswitch into the back of your amp, simply plug the footswitch out from your amp into the remote switch on TheGigRig Midi 8.

Normally closed refers to the polarity of the switch in default position (off or bypass).

E.g. If you would like to use the remote switch to control the reverb in your amp, simply plug a lead from the footswitch out of your amp and into the remote switch.

With a channel-changing amp, you can plug the footswitch from your amp to the remote switch in TheGigRig Midi 8.

3. & 4. **Output 1 & 2 Mute.**

On the far left hand side of TheGigRig Midi 8 you will see two outputs. Not surprisingly, these are called out 1 main and out 2 isolated.

TheGigRig Midi 8 enables you to choose any combination of these outputs. Simply mute the output that you don't want your signal to go to, by turning on the 'output mute'.

Note. You should always use output 1 first. Never use output 2 on it's own.

You can have a clean amp in one output and a dirty sounding amp in the other.

Alternatively, if you only use one amp, you can send a line directly to the desk as well as your amp and then switch between them.

Using combinations of the effects loops and the control functions the possibilities are virtually endless. And, it all happens at the stomp of a footswitch.

6. Mode Switch



The mode switch governs how the top rail will function.

Mode 1 is Single mode.

When the mode switch is set to 1, only one pre-set sound can be activated at any one time.

Selecting another pre-set will cancel the previous pre-set.

If you want to programme your 8 pre-sets and use these combinations only, the single mode (mode 1) will enable you to do just this.

Mode 2 is Multi mode

This is where it gets interesting. In multi mode, you can add your pre-sets together. When you select a pre-set, TheGigRig Midi 8 will add that combination to the pre-set already selected.

To deselect, simply press the footswitch again.

In mode 2 the bottom rail (pre-sets 1~4) will be in single mode and the top rail (pre-sets 5~8) will be in multi mode.

Using TheGigRig Midi 8 in this way, you can have 4 main sounds on the bottom rail and add in effects and control features to these sounds using the top rail. TheGigRig Midi 8 then becomes a serious effects mixer.

There are a few things to remember when using Multi mode:

1. When two pre-sets using Post Vol are selected; the highest volume level takes precedence.
2. Be careful not to add a pre-set using Out 1 mute to a pre-set using Out 2 mute as this will result in no output at all.

7. Midi Output

Your GigRig also provides the function of a Midi foot control device.

You don't need to touch a thing, each time you press a foot switch your GigRig will send a corresponding Midi code to any MiDi device connected to it's MiDi output.

After power on or a reset, TheGigRig will select Midi Channel 0 and send code 0 for foot switch 1, code 1 for foot switch 2 and so on, ending in code 7 for foot switch 8.

MiDi Bank select:

We have extended the MiDi codes that your GigRig can send to other equipment by implementing a bank select function. Don't panic, this is very simple. When you need more than 8 functions or want to address a particular fixed address device, you simply hold down foot switch 2 for 3 seconds, try it, you can't break it. All the lights start to flash. Now you can chose the new MiDi bank by pressing any of the foot switches.

If you press foot switch 7 for example, you will have selected bank 7.

TheGigRig will confirm that bank 7 has been set by flashing patch 7 twice. Your GigRig will then go back to normal use; however, it will now send out codes 48 to 55 when the foot switches are used.

Here is a table to show the codes for all TheGigRig Midi Banks.

Bank 1	0 to 7
Bank 2	8 to 15
Bank 3	16 to 23
Bank 4	24 to 31
Bank 5	32 to 39
Bank 6	40 to 47
Bank 7	48 to 55
Bank 8	56 to 63

8. Midi Channels

MiDi Channel select:

Your GigRig can also send all the above 64 codes on eight separate MiDi channels. To select which of the eight MiDi channels TheGigRig will operate, hold down foot switch 6 for 3 seconds. All the lights will flash. Press the foot switch which corresponds to the MiDi Channel you want to use. TheGigRig will flash the Light on the patch twice to confirm your selection.

Holding down foot switch 5 (reset) or re powering TheGigRig will take you back to Channel 0 bank 1.

In summary, you could have eight devices connected to TheGigRig each on a separate Channel. You can control 64 functions on each of these eight devices giving a total of 512 separate sounds.

Hold down foot switch 2 to select the Bank and foot switch 6 to select the channel, that' all.

Advanced Midi.

For the Midi experts we have added a method of changing the midi status byte directly at power up.

Hold down foot switch 6 when you power up TheGigRig and the default status byte will be displayed. 11000000. The MSB is displayed on foot switch 8 and the LSB is displayed on foot switch 1. You can now change the status byte using the foot switches. When you are happy with the new setting, press the MSB (foot switch 8) to exit.

TheGigRig will revert to the default settings the next time it is switched on.

Some common uses for the first four bits of the status byte are:

1000 Note off

1001 Note on

1010 key pressure

1011 Control Change

1100 Program Change (Default)

1101 Channel pressure - all notes

1110 Pitch

1111 Exclusives. NON Midi functions.

Note: The MSB is always set to '1' you can't change this bit.

Status Byte LSBs (four LSB bits.)

The second four bits of the status register are used for midi channel change. You can set the channel number in this mode or by using the standard channel change method on foot switch 6.

By changing the Channel number using this direct method, you can access all 16 midi channels. These two methods of setting the midi Channel can be used in conjunction (inclusive 'or' function).

Resetting TheGigRig by holding down foot switch 5, will not clear your new status settings; however repowering TheGigRig will clear these settings.

If you would like you're GigRig to have a different status byte default. Please contact us for details. Sales@thegigrig.com

Expand Output:

This output is for use when you have more than one GigRig.

If two or more GigRigs EXP sockets are connected together and they are in mode 1. The two GigRigs will act as one large GigRig. An external switch on this input will switch TheGigRig into true bypas mode.

This output will pulse high when a switch is pressed. This can be used as a mute or control pulse etc. for other equipment.

9. TheGigRig Midi 8 Special Functions

A range of special functions for the adventurous guitarist. Hold down a foot switch for over 3 seconds to access the following special functions:

Foot Switch 1: True Bypass

Hold down foot switch 1 for 3 seconds and TheGigRig will connect your Guitar directly to your amplifier. True Bypass; no signal degradation, no loss of tone. This is the same as a patch with all the switches in the off position.

Foot Switch 2: Midi Bank

Hold down for 3 seconds and all the lights will flash, press the foot switch corresponding to the MiDi bank you would like to use. See section 7. For details.

Foot Switch 3: Slow clean Modulation effect (5Hz)

Switch control switch 1 (post vol) to the 'on' position to access this effect. Hold down foot switch 3 for three seconds. You can now use the post volume control for the slow modulation intensity (depth). You can combine this modulation effect with your effects loops on this Patch.

You can also mix in other effects by setting the mode switch to mode 2. and adding in other effects. Try it!

Foot Switch 4: Fast clean Modulation effect (8Hz)

Switch control switch 1 (post vol) to the 'on' position to access this effect. Hold down foot switch 4 for three seconds. You can now use the post volume control for the fast modulation intensity (depth). You can combine this modulation effect with your effects loops on this Patch.

You can also mix in other effects by setting the mode switch to mode 2. and adding in other effects. Try it!

Foot Switch 5: Self Test (and light show)

Hold down for 3 seconds to run through the wizzy light show. The output will be muted until the show and self-test is completed.

The pop gate feature will be re enabled at the end of the show and the MiDi bank and Channels will be reset to the default values.

Foot Switch 6: Channel select

Hold down for 3 seconds and all the lights will flash. Press the foot switch corresponding to the MiDi Channel you would like to use. See section 8. For details.

Foot Switch 7: Software version

Hold down for 3 seconds to read the software version number. The version number will flash on and off.

Foot Switch 8: PopGate off.

Hold down for 3 seconds to switch off the PopGate circuit. This will reduce the gap in sound when effects are switched; however, thumps and pops can result from high gain effects. The Pop-Gate can be switch back on by holding down foot switch 5 or resetting the power to TheGigRig.

10. TheGigRig Midi 8s Isolated Output

Isolated output... Output 2

Lets cut through the jargon, like earth loops and earth impedance and get right down to the source of Hum.

If you have one Guitar into one effects pedal into one amp, you won't get hum. Although your power supply is connected to the mains, it won't be connected to the mains earth. Therefore, your precious guitar signal has just one path to ground. Through the screen of your leads into your amp and through to the mains ground.

The hum problem occurs when you have more than one path to ground for your signal. Using two amplifiers has always been an issue, because they both MUST be connected to mains ground; however, you only want one signal ground for your audio!

TheGigRig MiDi 8 has a very special output for your second amplifier, or any other earthed equipment you need to feed with your signal. Only use output 2 when you have already used output 1, that's the golden rule. Output 1 will provide your signal ground.

Phase Switch.

With the same sound going to two amplifiers of different models. The amplifier speaker cones could be either, moving forward at the same time (in phase) or, one may be moving forward whilst the other is moving backwards (out of phase). If this occurs then, when the sounds mix, the sound waves will cancel, giving a reduced tone at a distance from the speakers.

To Change the Phase to match your amplifiers:

You will find a small button next to the isolated output (see 5 in Fig1). When this button is pressed 'in', Out 2 will stay in phase with Out 1 and when this button is out, yes you guesst it, Out 2 is then out of phase with Out 1.

When you have set the phase correctly, you can then swap your two amplifiers between out 1 and out 2, without causing a phasing problem. For three or more amplifiers, please see our web site for a cost-effective humdinger of a solution.



11. TheGigRig Midi 8 power

Before powering TheGigRig Midi 8, it is important to connect the output(s) to your amplifier(s) first.

This will prevent ear-blasting hum from your amplifier when you connect the input.

It is not necessary to power down the TheGigRig Midi 8 when installing new effects pedals, simply select bypass for silent installation.

TheGigRig Midi 8 can supply 9V at up to 1.8A for your effects pedals. This supply is smoothed and electronically fused (1.8A). Note it may take a minute for this fuse to recover after overload.

A short circuit on this output will cause the main power supply to shut down. The green light on the supply will flash until the short circuit has been removed.

USING OTHER 9V SUPPLIES.

This is not recommended. Other 9V supplies may appear to work; however, it is possible that problems will occur. TheGigRig Midi 8 is fused internally at 4A.

EMERGENCY USE:

If TheGigRig Midi 8 9V power supply is not available. You can, in an emergency, power your effects pedals separately from the GigRig, TheGigRig Midi 8 can then be powered temporarily using a 9V regulated power supply with an output capability of 1A or more.

Warranty:

TheGigRig Midi 8 is covered by a standard warranty of one year from the purchase date; however, Epix Ltd will abide by the warranty period for electrical and electronic equipment stated within your country.

(We support our customers, not just our products.)



12. FAQ'S

Q. What's the best order to put my effects in?

Answer:

The order that you place your effects makes a dramatic difference to your guitar sound.

Do you phase your distortion or do you distort your phaser?

Of course, there are no set rules and with TheGigRig Midi 8, you can experiment as much as you like. I've found the following to be a good place to start.

- 1st Envelope filters, auto wahs and wah pedals.
- 2nd Compression
- 3rd Overdrive, distortion and fuzz. (Use in order of the least amount of gain to the most)
- 4th Modulation effects (phase, chorus, flange, tremolo)
- 5th Delay effects (shorter delays, followed by longer delays)
- 6th Reverb

Q. How do I use TheGigRig Midi 8 with the effects loop in my amp?

Answer:

The effects loop in your guitar amplifier gives you an insertion point between your pre-amp and your power amp for you to connect your effects. With TheGigRig Midi 8, you can insert the pre-amp section of your amplifier into any point in the signal chain.

E.g. Say I want my compression and overdrive pedals going into the front of the amp and my modulation and delay effects in my amps effects loop, I would use the effect loop that is after my overdrive and before my modulation effects. The send from TheGigRig Midi 8 is plugged into the front of your amp and the effects send from the amplifier is plugged into the return of TheGigRig Midi 8. What you've done is placed your pre-amp where you want it in your signal path. The output of TheGigRig Midi 8 then goes to the return on your amplifier.

If you have 2 amps, each with their own effects loops you can actually choose which pre-amp you send to which power amp!

Q. I have spilled my beer onto one of the micro-switches; it is now difficult to use or faulty.

Answer:

Don't panic, you don't have to give up beer! All the micro-switches are in sockets and can be easily replaced, without opening TheGigRig box. Take great care not to damage the paintwork. See our web site for replacement parts.

Q. I would like TheGigRig to work differently, to suit my personal needs:

Answer:

Well you just can't please some people can you! Still TheGigRig Midi 8 is software upgradable, so please ring our customer services or send an email and we will evaluate you requirements. Sales@thegigrig.com

Q. How do I justify buying TheGigRig Midi 8 to my partner?

Answer:

This is a very important question; every guitarist with a partner will know what I'm talking about.

The tonal advantages that TheGigRig Midi 8 gives you must be heard to be believed and the amount of control it offers you is staggering. However, here is why I truly believe that TheGigRig Midi 8 makes good sense. Inevitably, as musicians grow in experience and ability, their taste and tonal preferences also change.

TheGigRig Midi 8 makes sense because it changes with you! As long as guitar pedals exist, TheGigRig Midi 8 will be of immense value.

If you want a different overdrive sound, You simply plug in the effects pedal that gives you the sound that you like. You don't need to change your entire rig; you can pick and choose the sounds that inspire you and let TheGigRig manage the lot.

There are so many great effects pedals and similar devices on the market, you are sure to find the sounds that inspire you, from the subtle to the ridiculous and everything in between.

Not only have effects pedals been inspiring musicians for over half a century, but they **generally hold their value** a lot better than their digital technology based counterparts.

Because technology becomes obsolete, great tone doesn't

13. Important Safety information

TheGigRig Midi 8 is a low voltage device and so it is completely electrically safe; however, this is not true for some older guitar amplifiers.

The GigRig is NOT for use with old two pin mains plug amplifiers.

Your amplifier must have an earth connection. If you intend to use a vintage amplifier with a two-pin mains plug DON'T. Take your amp to be serviced by a qualified technician. In most cases a new 3-wire mains lead can be fitted for just a few pennies.

Amplifiers fitted with a ground switch.

Under no circumstances should the GigRig be used with this type of amplifier.

Some vintage amplifiers were fitted with a Ground switch to reduce earth loops and reduce hum. This switch is now commonly known as the **DEATH** switch. If your amplifier has such a switch, GET IT SERVICED NOW! The switch will be removed and an earth lead will be added with a three-pin plug.

Epix Ltd will not be held responsible for electrical shock or damage caused by high voltages from other equipment.

A very good site for further information about old amplifier safety is:

<http://www.hsga.org/learningarchive/ampsafety.html>

Do not use your GigRig in wet conditions. If TheGigRig Midi 8 accidentally gets wet, it should be left in a warm dry place for 24 hours before it is used or stored. (Remove the lid to aid drying.)

14. Thanks.

Many thanks for purchasing TheGigRig Midi 8; we take our commitment to you and your sound very seriously. Please keep up to date with all the latest information on our web site, www.thegigrig.com You may be surprised how inventive other users can be with TheGigRig and you may find sharing your ideas a great deal of fun.

These instructions may change without notice. Consult our web site for updates.

15. Technical

TheGigRig Midi 8 Technical Specification:

Bypass mode:

True bypass. Direct connection from guitar to amplifier. (DC connected)

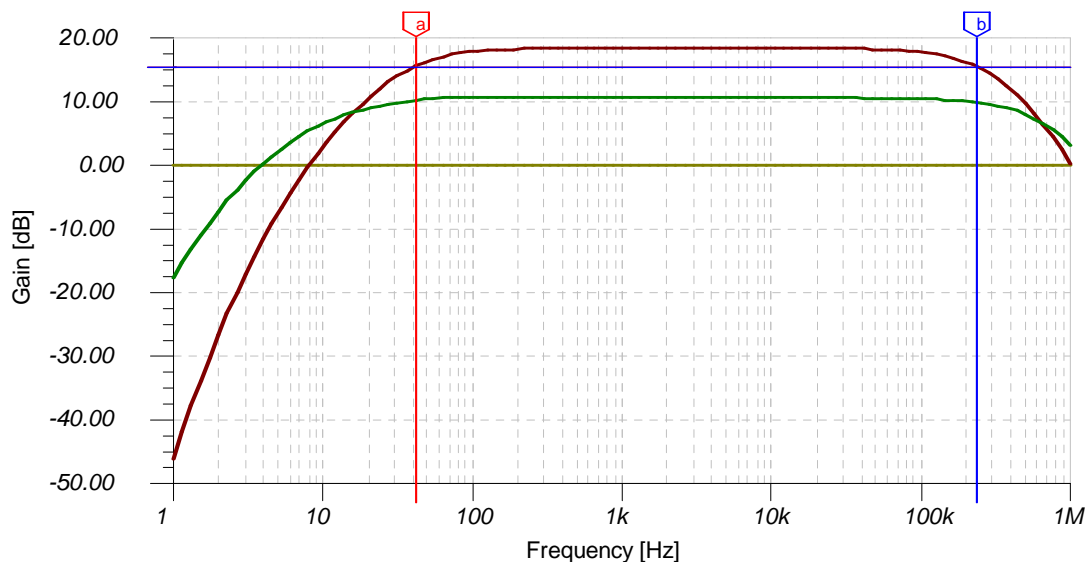
Effects bypass:

True bypass, direct AC connection between send and return. (AC coupled)

Pop Gate. Settling time = 30 seconds from power up.

Maximum gain For TheGigRig MiDi 8 is shown in **Green**

Bandwidth is 10Hz To 200KHz.



Post effects Amplifier: Class A

Gain of post effects amplifiers	X3 = +9.5 dB
Attenuation of Post effects amps	Divide by 2 = -6dB
Bandwidth	10 Hz to 200 kHz
Flatness 1dB	Flat to 50 KHz (studio quality)
Input impedance of post effects amplifier	300k Ohm
Distortion	Signal level dependent 2%
AC output impedance of post effects amplifier	500 Ohm
Isolated output	Flat to 30KHz. Compensates for cable capacitance.

Internal Microprocessors = RISC machines clocked at 4MHz.

Sw normally short circuit

Stereo Stereo return is routed automatically to out 2 when effects loop 10 is selected and a jack plug is inserted into the stereo rtn.

Power:

External power supply minimum 3A regulated. Thermal and short circuit protected.

Current consumption (no effects powered). All outputs on, all LEDs on = approximately 600mA.

Current consumption (Maximum number of external effects powered). All outputs on, all LEDs on = approximately 2.7A.

Maximum current for external effects = 1.8A (electronically protected, 6V at 1.8A, It can take 1 min for fuse to self-repair after overload).
System fuse for Internal protection = 4A.

Physical size:

Dimensions of 370mm X 200mm X 80cm.

Mini-switches: All socketed and can be replaced, if you know how!

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.

www.thegigrig.com

Legal Stuff:

TheGigRig Midi 8 is protected by copyright, moral rights, patent and design registration.

Patent Pen 0321552.2

USA Patent Pending US10/937,997

Design Registration # 3014412

'GigRig' is a stylised trademark. No 2343300

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Compliant to BS EN 60950-1:2002

Epix Ltd. Jan 2005.