



# MIKE

SPECTRAL REASSIGNMENT PEDAL



*Designed in the USA Assembled in China*  
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## SPECTRAL REASSIGNMENT

BY STEVE TURNIDGE

AS A MASTERING ENGINEER, I WAS ASKED TO DEVELOP A SIGNAL PROCESSING CHAIN THAT WOULD ENHANCE THE SOUND OF AN ACOUSTIC GUITAR'S DIRECT OUTPUT - AND MAKE IT SOUND MORE LIKE THE GUITAR ITSELF.

IF YOU PUT YOUR EAR WHERE THE GUITAR'S DIRECT OUTPUT IS PICKED UP, IT IS NO SURPRISE THAT THE QUALITY OF SOUND IS POOR - IT COMES FROM INSIDE THE BODY OF THE GUITAR, NOT FROM THE ROOM WHERE THE ACTUAL SOUND OF THE GUITAR SHOULD BE HEARD.

SPECTRAL REASSIGNMENT AND MIKE FIX THAT PROBLEM.

## FEATURES

- » TAKE VIRTUALLY ANY ACOUSTIC GUITAR SIGNAL AND IMPROVE THE SOUND INSTANTLY
- » HARDWIRE BYPASS RELAY
- » LED INDICATOR - BLUE WHEN ACTIVE, RED WHEN CLIPPING
- » MONO UNBALANCED 1/4" INPUT AND OUTPUT
- » NINE UNIQUE EQ SETTINGS, 10TH POSITION IS A BUFFERED BYPASS
- » REQUIRES 9 VOLT DC POWER ADAPTOR, TIP NEGATIVE

## OPERATION

USE THE MIKE PEDAL AT THE BEGINNING OF YOUR SIGNAL CHAIN. PLUG THE SOURCE INSTRUMENT INTO THE IN JACK USING 1/4" CABLE, THEN CONNECT THE OUT JACK TO THE NEXT STAGE OF YOUR AUDIO PATH (MAKE SURE YOUR LEVELS ARE TURNED DOWN BEFORE CONNECTING). TURN THE PEDAL ON BY PRESSING THE FOOTSWITCH - THE INDICATOR LED WILL SHINE BLUE. ROTATE THE TONE KNOB UNTIL YOU FIND THE OPTIMAL SETTING FOR YOUR GUITAR TONE, AND ENJOY!



## NINE ACOUSTIC GUITARS

WERE RECORDED, USING THE DIRECT OUT AND A NICE RIBBON MIC AT THE SAME TIME. AFTER TRYING TO FIND A SINGLE SOLUTION, WE FOUND A WAY TO CREATE EQUALIZATION CURVES THAT SPECTRALLY REASSIGNED EACH DIRECT OUT SIGNAL TO MATCH THE RIBBON MIC. THE SOUND WAS SO AUTHENTIC THAT WE KNEW WE HAD FOUND THE ANSWER.

THE MIKE PEDAL IS SIMPLICITY ITSELF. NINE EQS THAT MAKE UP THE DIFFERENCE BETWEEN SOUND INSIDE THE GUITAR AND THE SOUND THE GUITAR MAKES IN THE ROOM. THE GUITARS RANGE FROM JUMBOS TO CONCERTS TO 12 STRING AND NYLON CLASSICAL. JUST PLUG IN ANY ACOUSTIC GUITAR INTO THE IN JACK, AND THE OUT JACK DELIVERS AN EQUALIZED SIGNAL READY FOR USE AT THE BEGINNING OF YOUR SIGNAL CHAIN.

ONCE YOU HEAR THE MIKE PEDAL, YOU'LL ALWAYS WANT YOUR GUITAR TO SOUND THIS WAY. IT ALSO ADDS CLARITY TO ELECTRIC AND BASS GUITARS!

## CREDITS

THE MIKE PEDAL WAS CONCEIVED AND DESIGNED BY STEVE TURNIDGE, BASED ON A DESIGN BY RAY HEASMAN. PROGRAMMING AND ENGINEERING BY RAY MILLER. STUDIO SERVICES WERE PROVIDED BY WILL LEMASTER AT [HTTP://MASTERTRAXPRODUCTIONS.COM/](http://MASTERTRAXPRODUCTIONS.COM/). SOURCE GUITAR PERFORMANCES BY EVAN MCPHERSON OF SPYN RESET.

FOR MORE DETAILS ABOUT THE PROCESS AND THE GUITARS WE USED TO DESIGN THE MIKE PEDAL, VISIT [HTTP://SPECTRALREASSIGNMENT.COM](http://SPECTRALREASSIGNMENT.COM)



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## LEGAL STUFF

THE XVIVE MIKE PEDAL USES FREERTOS. SEE [HTTPS://WWW.FREERTOS.ORG](https://WWW.FREERTOS.ORG). WE ARE REQUIRED TO PROVIDE YOU WITH OUR SOURCE CODE FOR FREERTOS IF YOU REQUEST IT FROM US. OUR VERSION IS UNMODIFIED, SO WE PROVIDE YOU THE SOURCE CODE BY GIVING YOU THIS LINK:  
[HTTP://SOURCEFORGE.NET/PROJECTS/FREERTOS/FILES/LATEST/DOWNLOAD?SOURCE=FILES](http://SOURCEFORGE.NET/PROJECTS/FREERTOS/FILES/LATEST/DOWNLOAD?SOURCE=FILES).