

Owner's Manual

Revised April 2017



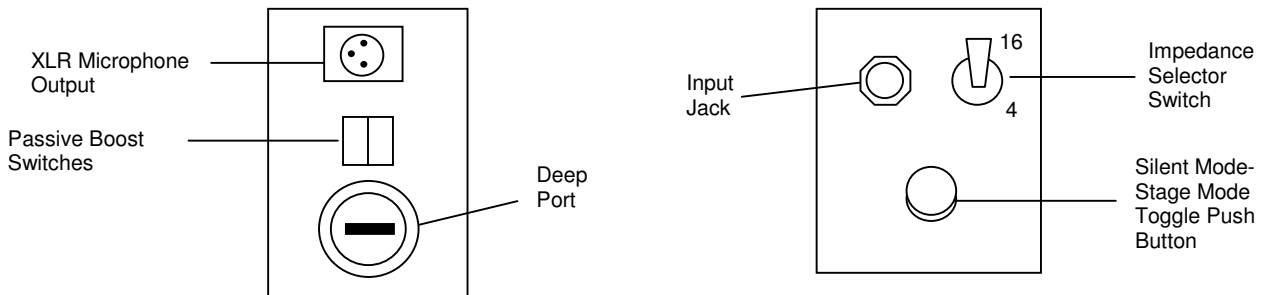
AxeTrak 112 - Isolation/Stage Cabinet for Guitar

Congratulations and thank you for purchasing the AxeTrak® 112 Isolation Cabinet. We have gone to great lengths to insure that you are purchasing a high quality piece of professional equipment. Please be sure to read this manual carefully, as it contains important information on the performance and operation of your new cabinet. This will help to ensure proper connection and safety precautions necessary for safe operation of this device.

FRONT PANEL FEATURES

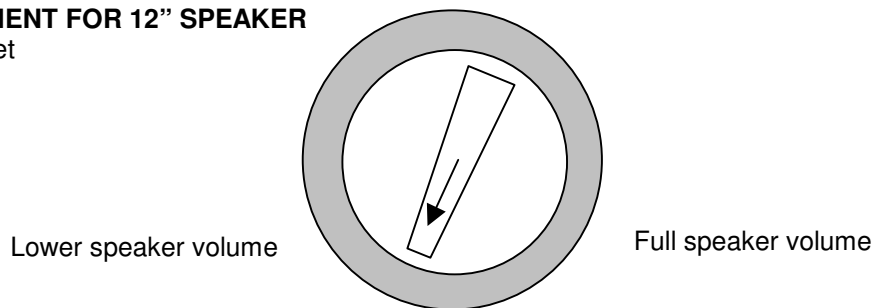


REAR PANEL FEATURES

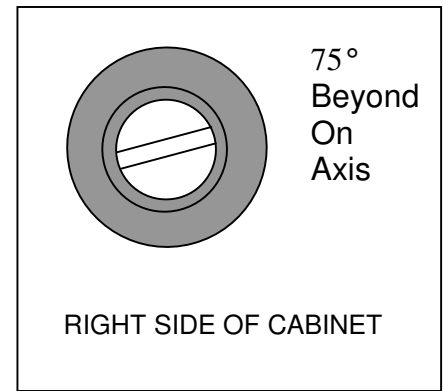
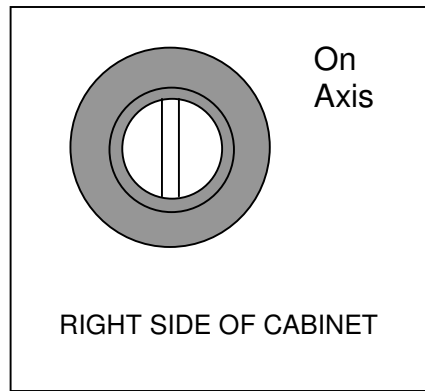
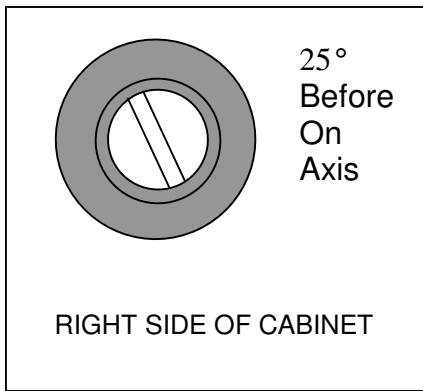


L-PAD ADJUSTMENT FOR 12" SPEAKER

On Rear of cabinet



MICROPHONE ADJUSTMENT SCREW ON RIGHT SIDE OF CABINET



DIRECTIONS FOR USE

With your guitar amplifier turned off, connect all of the pedals and processors that you would normally use for “Your Sound” to your amplifier. Connect them the same way you would for your live sound. Connect a speaker cable from the speaker jack of your amplifier to the input jack on the rear of the cabinet. Always make sure that your amp can safely drive the input impedance of your AxeTrak. If the toggle switch on the rear of the cabinet is pushed downward the impedance of the cabinet will be 4 ohms. If the toggle switch is pushed upward the impedance of the cabinet will be 16 ohms. If you are using a tube amplifier, adjust the speaker output impedance selector on your amp to match the input impedance of your AxeTrak or vice versa. The volume on your guitar amplifier should be turned all the way down initially. Insert a low impedance microphone cable into the XLR jack on the rear of the cabinet. Plug the other end of the microphone cable into your recording console, computer sound card, preamp or mixing board. **Do NOT use phantom power on this device.** If you wish to plug the XLR output of the AxeTrak® into a high impedance ¼ inch jack, you will need to use an impedance matching transformer (not included).

For recording overdriven guitar tones the preamp gain on your guitar amplifier should be cranked so that your amplifier is producing a smooth distorted or overdriven signal. The master volume should be turned up very slowly until the input LED of the AxeTrak® BEGINS TO GLOW BRIGHTLY. You do not want to needlessly crank your amp beyond this level. If you use a distortion or overdrive pedal, set the volume and gain on your pedal the same way you would for a live performance. Slowly turn up the master volume on your amplifier until the input LED of the AxeTrak® BEGINS TO GLOW BRIGHTLY.

You can record great sounding clean guitar tones if you adjust your setup as follows: With your amp turned off, turn the master volume on your amp all the way down. Connect a speaker cable from the speaker jack of your amplifier to the input jack on the rear of the cabinet. Now turn on your amp and slowly turn up the master volume until the level LED on the AxeTrak® JUST BEGINS TO FLICKER. Removing the “Deep Plug” will further improve the clean-recorded tone of this device and allow it to move more air. **If the AxeTrak® does not make any audible sound, turn off your amp immediately and check the fuse.** The AxeTrak® is fuse protected to protect the internal components. In the event that you blow the fuse on your AxeTrak®, it should ONLY be replaced with the same type fuse and with the same current rating. **2A - 3A/250 3AG fast acting fuse.**

UNDERSTANDING THIS DEVICE

The input on the AxeTrak® is a standard ¼ “ phone jack which makes it easy to connect to the speaker output jack of most professional guitar amps. The input jack drives the 12 inch front loaded speaker, the fuse protected custom 6” driver of the internal Isolation cabinet, and also the signal level LED. The sound in the internal isolation cabinet is converted into an electrical signal with the use of a dynamic cardioid microphone cartridge, which has been carefully selected and modified exclusively for this device. This cartridge is meticulously placed and aligned to our exact specifications, and is permanently mounted inside the enclosure. The cartridge is then wired to the XLR jack mounted on the front of the AxeTrak. There is no ground connection on the balanced XLR output of the AxeTrak® so there is no possibility of noise being created from ground loops when using this device. The AxeTrak® uses a normal low impedance microphone cable so that it can be used in the studio as well as on stage where long cables are necessary for running sound. If you wish to plug the output of your AxeTrak® into a high impedance input source (one that uses a ¼” input jack instead of the regular XLR input), you will need to purchase an impedance matching transformer. Our unit is designed to work well either way. If you do use an impedance matching transformer you will probably notice that the extreme low-end bass response is reduced. This is due to the nature and characteristics of coils and transformers. For overdriven guitar tones the AxeTrak is designed to sound its best when your guitar amplifier is set to a level that makes the input LED on the AxeTrak® begin to glow brightly. You do not want to needlessly crank your amp beyond this level.

DEEP PORT PLUG - If your particular style of music requires deep subsonic bass tones, you can unscrew the circular “Deep Plug” located on the left side on the rear panel of the cabinet. Simply insert a quarter or small angle bracket in the slot and turn counterclockwise to remove. Do not over tighten this plug as it has a flared thread. It only needs to be slightly snug and it will not rattle or resonate audibly.

BASS BOOST SWITCH - This switch is located on the left side of the dual toggle switch. It is identified with a green dot in the upward position. When the green dot is pushed you will significantly boost the low-end frequencies coming from the unit. For the cleanest guitar tones you do not want to engage this switch. This switch is great for getting that deep chug sound, for guitarist that tune down or play 7 string guitar, and jazz players that like a full deep tone.

TREBLE BOOST SWITCH - This switch is located on the right side of the dual toggle switch. It is identified with a red dot in the upward position. When the red dot is pushed you will significantly boost the high-end frequencies coming from the unit. For the cleanest guitar tones you may want to engage this switch. This switch is great for getting that pristine, spanky clean, single coil sound.

MICROPHONE ADJUSTMENT SCREW - The new microphone mounting assembly of the AxeTrak® PRO allows for 100 degrees of microphone rotation adjustment and unlimited recording options. The microphone adjustment screw is located on the top of the unit, on the left side of the strap handle. PLEASE BE AWARE THAT THIS SCREW SHOULD ONLY BE TURNED WITH A SMALL OBJECT LIKE A PENNY, DIME OR QUARTER. If this screw is turned too tightly it will compromise the adjustment capabilities of the assembly and the unit will need to be sent to the factory for service. PLEASE ALSO BE AWARE THAT THIS SCREW IS ONLY DESIGNED TO TURN APPROXIMATELY 90 DEGREES. If you want to record a bright clean guitar tone, you might start with the microphone direct “On Axis”. If you want to record high gain guitar tracks you might start with the microphone just slightly past “On Axis”. This happens to be our favorite setting. This will give a slightly darker and smoother rounded tone. Of course you can adjust the microphone adjustment screw anywhere in between for your own personal recording preference.

L-PAD SPEAKER VOLUME CONTROL -

This feature allows you to set the volume on your amp to the sweet spot, and then turn down the volume on the 12 inch speaker so that you are not too loud on stage. You won't have to ask the sound man to give you more guitar in the monitors with this model. You control how much volume you have on stage. The L-Pad should be used for slight adjustments, not for turning off the speaker totally. If you don't want to use the 12" speaker for stage monitoring you should press the Silent Mode/Stage Mode Toggle Push Button on the rear panel of cabinet.

LIMITED WARRANTY

Your AxeTrak® product is guaranteed against failure for a period of 90 days. JLH Technologies, LLC will service and supply all parts at no charge to the customer providing the unit is under warranty. Shipping costs are the responsibility of the customer. This warranty does not cover, and no liability is assumed, for damage due to: natural disasters, accidents, abuse, loss of parts, lack of reasonable care, incorrect use, or failure to follow instructions. This warranty is in lieu of all other warranties, expressed or implied. No representative or person is authorized to represent or assume liability for JLH Technologies, LLC in connection with the sale or servicing of this product. JLH Technologies, LLC shall not be liable for incidental or consequential damages. When returning merchandise to the factory, you must call or email our office for a return authorization number. Describe in writing each problem. If your unit is out of warranty, you will be charged the current flat rate for parts and labor to bring your unit back to factory specifications. Contact 949-859-7293 or email us at info@axetrak.com. You must register your product online at www.axetrak.com to validate your warranty.

SPECIFICATIONS

Input Impedance - **Toggle selectable between - 4 ohms and 16 ohms**

Output Impedance - **Low Impedance 200 – 600 Ohms (Mic level)**

Wattage Rating - **100 Watts RMS (fuse protected)**

Dimensions - **26" (660mm) wide, 18" (457mm) high, 13.5" (342mm) deep**

Weight - **55 lbs (24.95 kg)**

FOR PRODUCT REGISTRATION PLEASE GO TO WWW.AXETRAK.COM AND CLICK ON REGISTER PRODUCT.

AxeTrak

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AxeTrak® is a subdivision of JLH Technologies, LLC