



## **ATOMIC Reactor 112 FAQ**

### **(Q) The Reactor 112 only works if I own a POD, right?**

**(A)** *Wrong*, the Reactor 112 was designed to work with any modeler or guitar amp front end available. The Reactor's classically designed amplification/speaker system will long outlive any current digital technology. We decided early on that the Reactor should be able to adapt to changes in technology and modeler brand popularity. This is the concept behind the DS-1 Docking system. The Reactor 112 can currently house and power the Line-6 POD, POD-XT, the Behringer V-Amp and the Vox Tone-Lab, simply by changing to the proper template kit. Atomic plans to add new template kits as new modelers become available. A blank template is available for people who use rack mount modelers and other choices for pre-amps, including the growing number of people using floor based "pedal style" amp modeling products.

### **(Q) Why not just buy an amp with built in modeling?**

**(A)** There are several answers to this question.

**(A-1)** If you already own a modeler then buying an amp with built-in modeling is in many ways redundant, and lateral use of funds (you get a minimal return on your \$ investment).

**(A-2)** As of now, most if not all amplifiers with built in modeling are transistor powered, and they sound like it. The Reactor 112 features an all tube power section and easily competes sonically with modeling amps costing over twice as much.

**(A-3)** Why spend money on a piece of gear that will most likely be obsolete in two years? Digital technology is always changing. The Reactor uses classic tube amplifier technology and allows the user to upgrade by simply changing the front end.

**(A-4)** When a player falls out of love with their current modeler of choice, they can go out and mess around with other modelers, and the reactor will always welcome them back.

### **(Q) Why not just plug my POD into my Twin, Classic 30, etc?**

**(A)** Plugging a modeler into a regular guitar amplifier negates the modeler's purpose, which is to *model*. There are many high quality guitar amplifiers available and people love them because of their own distinct sound and feel. This is the main reason we have modelers; to model the tones produced by these great sounding amplifiers. The fact is that the quality of a modeler is measured on the scale of how well it can accurately duplicate the feel and tonality of the amplifier it is trying to duplicate. A modeler set to Marshall stack, or VOX AC 30 plugged into a Twin is going to sound like a Marshall stack, or VOX AC 30 plugged into a Twin.

### **(Q) Wouldn't a power amp or full range PA be a better choice?**

**(A)** This is a very valid question, and in theory is a great idea. The answer is "feel". Many guitar styles require playing the amplifier as well as the guitar when performing. In these situations the Reactor 112 is a champ! There is a **HUGE** difference between the feel a guitarist gets when playing a Reactor vs. playing a PA speaker.

**(Q) Is the Reactor 112 loud enough?**

**(A)** Yes, No, Maybe.

The Reactor 112 puts out a hefty amount of sound for an amplifier in its size and price range. Many people have assumed it was running two twelve inch speakers instead of just one. This is due to the Reactor's maximized amplifier / speaker / cabinet design. The Reactor's closed back tuned and ported speaker system provides a linear response and extended bottom end capabilities not found in other combo amps. The benefits of the Reactor become more evident when players tune down to a "D" or other tunings. By not having to boost the bass EQ (in an attempt to get their amplifiers to reproduce low frequencies that it can't handle) the amp runs a lot more efficiently allowing it to focus its power where it is needed. Physics still dictate that room size, acoustical characteristics and playing styles are a factor. All amplifiers are still just basically trying to move air. This is one reason that we designed the Reactor to be used in pairs.

**(Q) Why do you plug in both the left and right outputs of your modeler if there is only one speaker?**

**(A)** By plugging in both the left and right outputs of your modeler into the DS-1 docking unit, you are supplying the feeds to both of the left and right sends on the back panel of the Reactor. The left and right sends perform several useful functions. The sends act as a stereo direct output from the modeler that can be fed straight to the band's mixer. They can also be used to accommodate outboard effects units, and perhaps most importantly, the right output can be sent to the return input jack of a second Reactor 112 for a stereo rig that totally kicks butt.

**(Q) Should I mic the cabinet or run direct?**

**(A)** At Atomic we feel that this should be up to the player to decide. Running direct gets rid of stage bleed and microphone coloration, *BUT* if you mic the Reactor 112 it sounds an awful lot like you are mic'ing whatever amp your modeler is set to. This makes the Reactor an excellent choice for recording and rehearsal studios. The studio can purchase several DS-1 docking units, load them with assorted modelers and have them ready to drop into their Reactor 112s as needed.

**(Q) Are the outputs balanced or unbalanced?**

**(A)** The "send left" and "send right" outputs, located on the rear of the Reactor 112 are unbalanced and are direct feeds from the modeler's left and right outputs. The "return" input also located on the rear of the amp is unbalanced and is a direct feed to the Reactor's power amp section.

**(Q) What comes included with the base-price of the Atomic Reactor 112?**

**(A)** The Reactor 112 comes shipped with one DS-1 docking unit included. The Reactor Series Template Kits are packaged and sold separately.

**(Q) What is a DS-1 docking unit?**

**(A)** The DS-1 is the patent pending docking mechanism designed by Atomic Amplifiers (along with the proper template kit) that allows the user to house and power a modeler inside the Reactor 112.

**(Q) What is a "template kit"?**

**(A)** A template kit consist of a pre-fitted, injection molded frame and the appropriate mounting hardware to hold a modeler in place inside the DS-1 docking unit. The kit also includes the proper power connecting cable for the modeler so you won't need a wall wart.

## **(Q) Who is Harry Kolbe**

(A) Harry Kolbe is Atomic Amplifier's Chief engineer and the designer of the Reactor 112.

Harry is a master engineer with a rich background in amplifier and speaker cabinet design. Having authored countless published articles and product reviews on electronics, Harry brings decades of experience and know-how to Atomic Amplifiers.

Over time, Harry has evolved to become one of the world's most respected soundsmiths, specializing in modifying amplifiers and designing customized performance rigs. Harry has a long history of crafting performance solutions for many noteworthy guitarists. His huge client list includes an impressive line-up of musical all-stars from all genres:

<b>JOHN ABERCROMBIE</b>	<b>STEVE STEVENS</b>	<b>ALLAN HOLDSWORTH</b>
<b>AL DI MEOLA</b>	<b>AEROSMITH</b>	<b>KEITH RICHARDS</b>
<b>BONNIE RAITT</b>	<b>SONIC YOUTH</b>	<b>JOE SATRIANI</b>
<b>LITTLE STEVEN</b>	<b>JOHN SCHOFIELD</b>	<b>STEREOLAB</b>
<b>YNGWIE MALMSTEEN</b>	<b>RON CARTER</b>	<b>LOU REED</b>
<b>BILLY DUFFY</b>	<b>BUCKET HEAD</b>	<b>FERNANDO SAUNDERS</b>
<b>ROBBEN FORD</b>	<b>DARRYL HALL</b>	<b>GIL EVANS</b>
<b>DWEEZIL ZAPPA</b>	<b>THE ROLLING STONES</b>	<b>BLIND IDIOT GOD</b>
<b>JOHN McCURRY</b>	<b>MIKE STERN</b>	<b>ANDY HAWKINS</b>
<b>TALKING HEADS</b>	<b>THE GOO GOO DOLLS</b>	<b>HENRY BOGDEN</b>
<b>MARK SCHULMAN</b>	<b>EDDIE MARTINEZ</b>	<b>THE LOUNGE LIZARDS</b>
<b>LUSCIOUS JACKSON</b>	<b>PAUL SIMON</b>	<b>BAD BRAINS</b>
<b>JEFF GOLUB</b>	<b>HELMET</b>	<b>PAGE HAMILTON</b>
<b>JOAN JETT</b>	<b>JON SPENCER</b>	<b>RAY GOMEZ</b>
<b>STEVE SWALLOW</b>	<b>THE CULT</b>	<b>JOHN OATES</b>
<b>ROBERT PALMER</b>	<b>HIRAM BULLOCK</b>	<b>KIM STONER</b>

## Items of interest:

- The Reactor 112 has a list price of \$699 and ships with one DS-1 docking unit included.
- Template kits are sold separately and list for \$39.
- Template kits include the appropriate power cable (no wall warts) and mounting hardware for the modeler.
- Template kits are currently available to accommodate the original POD, the Pod XT, The Tone-lab, and the V-amp.
- A blank template is also available for guitarist wishing to use their desktop modeler and a pair of Reactors in stereo.
- The blank template is also ideal for players using “pro” modelers or floorboard style like the new **POD XT Live, Digitech GNX series or the ToneLab SE.**
- Being able to purchase different template kits makes it easy for Atomic users to up-grade as digital technology advances.
- Extra DS-1 Docking Units (list price \$69) can also be purchased separately for people who have more than one modeler and wish to hot swap.
- The Atomic Amplifiers Reactor 112 and all accessories have received CE approval.
- The Reactor 112 has a voltage selector switch and can be used in most countries.

## (Q) What is Atomic’s warranty policy?

**(A)** Atomic Amplifiers warrants to the original purchaser that this product (exclusive of speakers and tubes) will be free of defects in material and workmanship for a period of 5 years from the original date of purchase. Atomic Amplifiers warrants to the original purchaser of this product that the speakers will be free of defects in material and workmanship for a period of 2 years (tubes for a period of ninety (90) days), from the original date of purchase by the original purchaser; provided however, it is understood that the speaker warranty will be subject to the inspection of any speakers by Atomic Amplifiers, Atomic Amplifiers Field Service Center. These warranties are subject to the conditions, exclusions, and limitations hereinafter set forth.

This limited warranty is transferable and is valid only when accompanied by a copy of the original sales receipt with legible purchase date, purchase price, and product is purchased from an authorized dealer in the United States or Canada and must be returned to the same for any warranty services required). All exported products are subject to warranty and services to be specified and provided by the authorized distribution for each country. Excluded from this warranty are defects caused by wear and tear, accident, misuse, neglect, failure to follow all operating instructions (including the OVERPOWERING of speakers), alterations and modifications, or act of nature. Such determinations will be made by Atomic Amplifiers. This limited warranty is also void if:

- The original retail purchase is not made from an Authorized ATOMIC AMPLIFIERS dealer
- Any repairs, alterations, or modifications are performed by other than Atomic Amplifiers, or an Atomic Amplifiers Authorized Service Center.
- The original serial number affixed to the product is altered, defaced, or removed.

All parts costs for repairs covered under this limited warranty will be borne by Atomic Amplifiers so long as the repairs have been requested within the applicable warranty periods described above. It is understood that all repair charges and costs incurred by Atomic Amplifiers for all periods following the applicable warranty period will be borne and paid for by the purchaser. All labor costs incurred by Atomic Amplifiers for repairs covered under this limited warranty will be

borne and paid for by Atomic Amplifiers within the applicable warranty period according to rate schedules established by Atomic Amplifiers. All labor costs and expenses above these rates will not be the responsibility of Atomic Amplifiers, Atomic Amplifiers, or an Atomic Amplifiers Authorized Service Center MUST do all warranty services. Transportation charges involved in warranty services are the sole responsibility of the purchaser.

A copy of the original sales receipt must accompany all products being presented to an Atomic Amplifiers Authorized Service Center for warranty service. All products being returned to Atomic Amplifiers for warranty service must be accompanied by a copy of the original sales receipt, a detailed description as to needed repairs, and an Atomic Amplifiers Return Authorization. Atomic Amplifiers reserves the right to repair or replace this piece of equipment at their option but it is understood that repair or replacement as provided under this limited warranty is the sole and exclusive remedy to the purchaser for defective or non-conforming products.

Atomic Amplifiers will not be held liable for any incidental consequential, special, punitive, or exemplary damages resulting from any defect or failure of this product other than the repair of the Atomic Amplifiers product subject to the terms of this limited warranty. Any product repaired or replaced under this limited warranty will, itself, be warranted only for the remainder of the limited warranty period of the original product being repaired or replaced. Products used for dealer rental purposes shall be warranted from the date of the original invoice to dealer and if sold will be warranted only for the remainder of the limited warranty period of the original product.

This warranty gives you specific legal rights, and you may have other rights which vary from state to state, and province to province, and to the extent required by law, any limited warranty shall be limited to the duration of this limited written warranty. ***OTHER THAN AS STATED ABOVE, ATOMIC AMPLIFIERS MAKES NO WARRANTIES EITHER WRITTEN, EXPRESSED, OR IMPLIED WITH RESPECT TO THE PRODUCT. THIS WARRANTY IS EXCLUSIVE, AND ATOMIC AMPLIFIERS MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED, INCLUDING IMPLIED WARRANTIES OR MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE, ALL OF WHICH WARRANTIES ARE HEREBY BEING DISCLAIMED.***