

# IRONHEART



 IRT-X

## Take your set-up

- that's your guitar, your amp, your effects and add an **IRT-X 200W RMS EXPANSION** cab!

The result?

**THE BEST YOUR GUITAR SOUND WILL EVER SOUND!**

The IRT-X's Electro/Mechanical Reactive Linking (ERL) offers you tonal options previously unavailable for YOUR tone.

The IRT-X connects to YOUR amps output section – before the speaker and mimics the electronic and mechanical interaction between them! AT FULL RANGE.

Meaning:

More **PUNCH**

More **POWER**

More **DYNAMICS**

More **HIGHS & LOWS**

More **CLARITY**

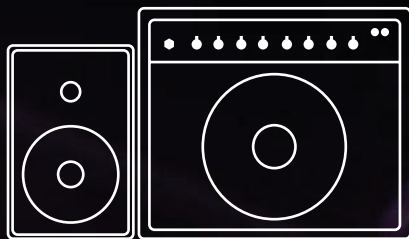
More **DEFINITION**

JUST MORE OF YOUR TONE

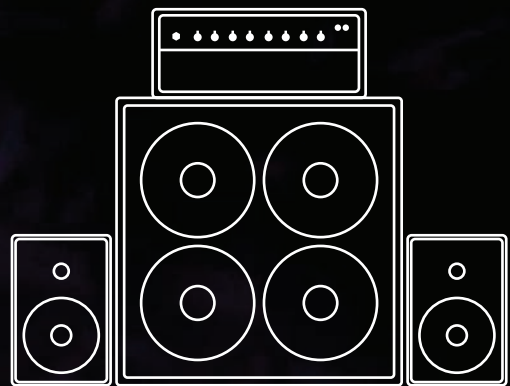
The IRT-X is not an extension cabinet – it's a 200W RMS POWERED EXPANSION cabinet!

**YOUR tone but BIGGER.**





**MORE OF YOUR TONE SETUP**



**BIG RIG SETUP**



**PERSONAL MONITOR SETUP**



**HI TECH DSP  
MODELLING  
IRT STUDIO  
SETUP**

### The key is - Electro-Mechanical Reactive Linking (ERL)

Unlike an extension cabinet - which sits after your output section, the IRT-X sits BETWEEN your amps output section and your amps speaker and cleverly mimics the response characteristics of your amp and speaker combination.

Unlike most guitar speakers, which are commonly, rolled off above 4Khz the IRT-X houses a high quality flat response 8" Driver and a 1" Compression Driver. As soon as you connect the IRT-X, YOUR guitar tone has the capability for far more highs and lows, which means more tone! Used in its most straightforward application the IRT-X gives you more of YOUR tone! More of your guitar - more of your amp!

And since it's YOUR tone what better than to use it as your own personal guitar monitor on stage – every gigging musician has run into problems hearing themselves on stage.

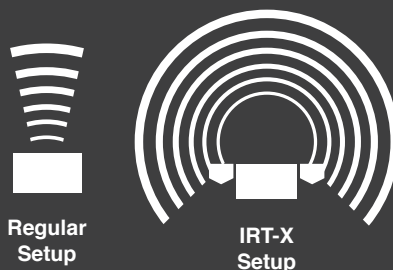
The IRT-X gives YOU the solution to hearing YOUR own tone on stage. Better tone that you can hear – it's a win-win situation!

### THE BEST SIGNAL PATH

Guitar players love effects but sometimes they can get in the way of YOUR tone – the best tone is the simplest tone.

The IRT-X houses a stereo FX loop! Plug **YOUR** effects into the IRT-X and **YOU** get all the benefit of your unadulterated guitar tone – with effects only in the IRT-X giving **YOU** a Wet/Dry set up – or return your FX into both the IRT-X and **YOUR** amps FX loop and run a truly massive stereo set up.

### WHEN MORE REALLY DOES MEAN MORE



The IRT-X can be scaled up to fit even the biggest rigs, with 2 IRT-X's **YOU** can run true W/D/W rigs with amazing sonic implications –it's like SONIC 3D!

The IRT-X has a super compact footprint which means **YOU** can have a massive sound on even the smallest stage, used in wedge mode or on a pole-stand.

### ONSTAGE MIC-ING

Mic-ing the IRT-X is simple! The IRT-X comes equipped with an XLR DI out! Which can be sent directly to the PA and provides either a completely dry signal, or can be cabinet emulated - with or without FX!

Emulation options include Dry, 1x12 or 4x12, so there is no need to use a mic & stand, which on a tight stage is great news.

The on-board DI also means **YOU** get the same great tone night after night, venue after venue – no more relying on mic placements!

### RUNNING A HIGH TECH DSP MODELLING SETUP?

### THEN THE IRT-X IS FOR YOU!

The use of hi tech modelling setups requires some specific considerations when it comes to amplification. The IRT-X is ideally suited to pairing with a modelling processor or DSP based DAW package as the IRT-X has a completely flat, full range frequency response. Meaning **YOUR** carefully modelled signal path in not EQ'd during the amplification process.

### AMPLIFIER SELECTION SWITCH

Gives you the option of connecting amplifiers with Less than 10W RMS or greater than 10W RMS.

### LEVEL CONTROL

Balances the amount of signal which appears at the FX-Loop send – makes sure that any external FX are driven at a desirable level.



### FX SEND via DI OUT

Connecting an IRT-Studio – use the on board balanced XLR Di out on your IRT-STUDIO to connect to the IRT-X using the combi XLR/Jack feature. This socket can also be used to connect other DSP based modelling products that are equipped with balanced XLR outs.

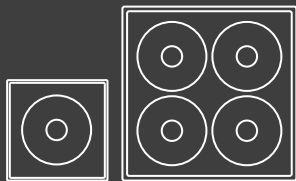
### FX

Use this to connect to your external FX processor. The level of signal is controlled by the Level control. If your FX processor has stereo outs then you can connect the left and rights independently. You could also send one of the returns back to your amps FX loop to run a stereo set up.



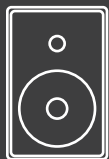
### CABINET EMULATION FEATURE

Switch in a 1 x 12 or a 4 x 12 Cabinet emulation feature to the DI out signal.



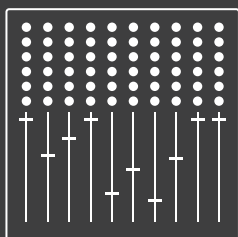
### ADDITIONAL IRT-X FOR STEREO OPERATION

Use this socket to connect to an additional IRT-X and run in Stereo Mode to give you a massive sound.



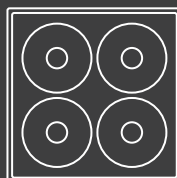
### PA

Balanced XLR-DI out for sending you IRT-X signal direct to the PA – no need to mic your IRT-X. This signal can be with or without FX, Dry or with cabinet emulation.



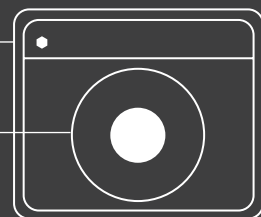
### MONOBLOC OPTION

Connect an external speaker cabinet here in order to utilise the IRT-X's 200 Watts RMS output section. Makes everything gigable!



### MP3 PLAYER

Use this socket for connecting an external sound source – the volume of the sound source is controlled by its on-board volume control.



### ERL FEATURE

Connecting the IRT-X utilising the ERL feature. Simply remove your amps on-board speaker jack and connect the speaker output socket to the input of you IRT-X. Then connect the Load socket back to your amps internal speaker. If your amp has 2 speaker out sockets then there is no need to remove the on-board speaker – simply connect the IRT-X to the second speaker output and there is no need to adjust the amps impedance setting.

### MASTER VOLUME

Controls the overall level of the IRT-X

### EQ

On Board EQ. Allowing you to set the IRT-X to the desired tone.



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IRT-X



## SPEC

- 200W RMS power amplifier.
- High quality 8" Bass driver.
- High quality 1" compression driver.
- Stereo FX loop.
- EQ controls.
- Switchable speaker emulations.
- Speaker in and through connectors.
- Line in.
- Aux in.
- Balanced DI output with source switching.
- Speaker phasing switch.
- Hum busting ground lift switches.
- Pole stand fitting.

## SUGGESTED APPLICATIONS

- Enhance the sound of tube amplifiers whilst retaining touch and response
- As a guitar stage monitor with DI to desk provision and monitor input mix.
- With IRT Studio and guitar cabinet.
- To integrate effects into your sound.
- A pair for stereo wet-dry-wet sound fields.
- As a powered driver for extension guitar cabinet to boost sound levels.
- As a powered extension cabinet on acoustic guitar amplifiers.
- For adding to DSP based modelling DAW and Guitar products.