



AIR SPACE INVADER – USER MANUAL

Congratulations on buying the Air Space Invader! It's a unique kind of effects pedal, and has a Rainger FX optimum distortion circuit, mixing with white noise 'hiss'. This then goes through a low-pass filter, the cut-off frequency being controlled mainly by the envelope of the note.

It's a simpler version of the Air Traffic Controller (the name 'Air' comes from the white noise hiss wooshing around!), but it has the extra facility of having the cut-off frequency also controlled by the Igor pressure pad controller.

CONTROLS

VOL; This decides the output volume.

DRIVE; This controls the amount of distortion on the guitar signal.

MIX; This knob adjusts the mix of white noise with guitar signal.

ATTACK switch; This changes the filter action from a fast, immediate note response (switch out) to a slightly slower rising attack at the start of the note.

Q switch; This adjusts the resonance of the low-pass filter, a high resonance (switch in) making the cut-off frequency very noticeable.

DC in; Connect 9v power supply unit here.

LEDs; These show the status of the pedal ('ON/OFF'), and when a signal is present ('INCOMING').

ABOUT IGOR

Igor - originally the Dr Freakenstein Fuzz assistant – is a small and light pressure-operated way of getting real-time control over the sound.

It has two pressure sensitivities; use it hard side up and it requires a firm press. Flip it over and use it rubber side up and it only needs a very light press to work – and can be used by hand this way. (Difference in sensitivities will be less noticeable if you're using it on a carpet instead of hard floor).

When pressing Igor it raises the overall cut-off frequency and does this with high resonance – regardless of how the ‘Q’ switch is set.

ABOUT THE LOW-PASS FILTER

This comes after the mix pot for the two sound sources - helping bind the two together. When there’s no signal the low-pass filter acts as a noise gate, the cut-off frequency dropping down very low, helping keep the Air Space Invader incredibly noise-free.

NOTE

- * Adjust the threshold of the Air Space Invader filter by adjusting your guitar’s volume.
- * The power supply unit used should be centre earth, sleeve +9v.
- * Igor can be replaced with a 5v CV (tip=voltage, sleeve = earth) to control the cut-off frequency (works with reversed action).

If you have any comments or questions please do get in touch at www.raingerfx.com , where you can also find out about other Rainger FX products.

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