

Re-II Fan Manual

'RE' Fan User Manual

DESIGN

The 'RE' Fan is easy to store and set-up. The air chamber is a molded venturi shape, which focuses the wind. The one-piece 11" blade is constructed of Lexan. The brushless 4 Amp AC motor is controlled by a variac. An in-line switch is mounted on a heavy-duty powder-coated welded tubular steel frame. The "RE' Fan balances beautifully on a versatile mounting yoke, which surrounds the unit for transport, and rests on any surface and attaches to Baby and Junior receivers.

PERFORMANCE

The 'RE' Fan goes from full stop to full power in 2 seconds. The blade and the motor combine for a maximum of 3500 RPM. The **One-Touch Blast** lets you go from a lower to higher setting instantly.

Using the RE-Fan from a lighting dimmer board

The fan speed is controlled by the rotating dial on the rear of the fan housing. Pressing the red button will run the fan at full speed as long as the button is depressed.

You can control the speed of the fan from a lighting dimmer board as well. For this sort of use, we recommend that you set the fan at 100% on its dial, and use the dimmer board to control the speed. You should check with your dimmer board manufacturer to verify that it will work with inductive motor loads, as some phase control dimmers won't hold a stable setting working into an inductive load. You will notice this particularly at partial settings, around 50-70%, on the dimmer. If this occurs, connecting a small incandescent lamp (100W) on the same dimmer in parallel with the fan will usually cure the problem.

You can set the fan at a lesser speed, and use the dimmer to further reduce the speed. For instance, you could set the fan at 60%, and 100% on the dimmer will produce 60% on the fan, 50% on the dimmer will produce 30% on the fan, and so forth.

Fan Beam Characteristics

The following table tells you the air speed (in Feet Per Minute) depending on the distance from the front of the fan and how far to the side you are.

Feet from front of Fan	On Center	1 ft	2 ft	3 ft
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	Line	away	away	away
18	650	550	320	130
17	750	700	400	160
16	780	650	380	130
15	800	600	350	100
14	900	620	360	80
13	950	600	350	70
12	1050	550	310	60
11	1150	500	250	50
10	1180	510	210	20
9	1250	500	200	0
8	1280	430	160	0
7	1300	400	100	0
6	1500	380	50	0
5	1800	400	0	0
4	1900	460	0	0
3	2100	300	0	0