

Re: microphone preamp

Source: <http://sci.tech--archive.net/Archive/sci.electronics.design/2007-01/msg03658.html>

- *From:* "alexxy.magnix@xxxxxxxxxx" <alexxy.magnix@xxxxxxxxxx>
 - *Date:* 22 Jan 2007 01:33:36 -0800
-

jasen ha scritto:

On 2007-01-15, alexxy.magnix@xxxxxxxxxx <alexxy.magnix@xxxxxxxxxx> wrote:

Hello,

I need to record sound coming from a large space (a room) with a microphone connected to a PC soundcard. So far the results have been disappointing, and I've been suggested that I need to preamp the microphone.

Can you kindly suggest a <VERY SIMPLE> circuit design (I'm a begginer)? I don't need anything complicated, since I can sustain without problem reasonable amounts of noise and distortion.

I found this helped with a 600 ohm microphone.

```

tip -----+--[4m7]-.
||
\|
0.1uF \| || 2.2uF
|-----+--||-----|.
|/| \| \_ |
/~ BC547 ( )|
|/~ |
sleeve -----+-----'

```

advantages

- 1 simple
- 2 draws power from the soundcard

disadvantages

- 1 performance varies from mediocre to bad depending on parts and temperature

try differemt resistors 3.3M 3.9M 5.6M etc

.....

Re: microphone preamp

| This is an ascii schematic, if the diagram appears garbled |
| try switching to a fixed-pitch font (courier works well) |
| pasting it into notepad works well on ms-windows. |
| in google groups selecting 'fixed font' (top right of page) |
| or view source (options) work too. |
`-----`

--

Bye.
Jasen

Hi Jasen – thanks for your help!

One problem only, I'm slightly confused on the diagram (even reading it at fixed-width):

- 1) the component labeled 4m7 is a 4.7 mOhm resistance?
- 2) I see the label 0.1uF but I dont see the condenser in the drawing!
- 3) the "thing" at the right represents the soundcard?
- 4) your comment " try differemt resistors 3.3M 3.9M 5.6M etc" meaning in place of the 4.7 milliOhm?

.... sorry, but as I told before, I'm not exactly a great-master in electronics!

thanks for your help!

Alessandro

.