

How do I use a pipe to redirect the output of one command to the input of another?



I have a program which sends text to an LED sign.

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prismcom.exe



To use the program to send "Hello":



```
prismcom.exe usb Hello
```

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Now, I wish to, for example use a command program called Temperature.

```
temperature
```

Let's say the program gives your computer's temperature.

```
Your computer is 100 degrees Fahrenheit.
```

Now, I wish to write the output of temperature to prismcom.exe:

```
temperature | prismcom.exe usb
```

This does not seem to work.

Yes, I've looked for a solution to this for more than twenty minutes. In all cases, they are either kludges/hacks or a solution for something besides the Windows command line.

I would appreciate direction as to how I would pipe the output from temperature to prismcom.

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windows

pipe

command-prompt

edited Jan 29 '13 at 2:10

asked Jan 29 '13 at 1:23



Austin Burk

502 4 12 26

1 If "temperature" is made to write to standard output and "prismcom" is made to read from standard input and write to standard output then this should Just Work. If not, you're probably out of luck. – [500 - Internal Server Error](#) Jan 29 '13 at 1:27

prismcom has two arguments: usb; and then whatever comes after is sent to the sign. – [Austin Burk](#) Jan 29 '13 at 1:32

Could it be that temperature sends it's output to stderr rather than stdout? Try `temperature 2>&1 | prismcom usb` – [rojo](#) Jan 29 '13 at 2:17

3 Answers



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Try this. Copy this into a batch file - such as `send.bat` - and then simply run `send.bat` to send the message from the temperature program to the `prismcom` program.

```
temperature.exe > msg.txt
set /p msg= < msg.txt
prismcom.exe usb "%msg%"
```

answered Jan 29 '13 at 2:24



Kenny Kerr

2,006 9 12



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This should work:

```
for /F "tokens=*" %i in ('temperature') do prismcom.exe usb %i
```

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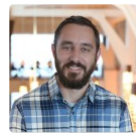
You can also run exactly same command at Cmd.exe command-line using PowerShell. I'd go with this approach for simplicity...

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```
C:\>PowerShell -Command "temperature | prismcom.exe usb"
```

Please read up on [Understanding the Windows PowerShell Pipeline](#)

You can also type in `C:\>PowerShell` at the command-line and it'll put you in `PS C:\>` mode instantly, where you can directly start writing PS.

**Kenny Kerr**

2,006 9 12

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Writer. Pluralsight author. Systems programmer. Creator of C++/WinRT. Principal engineer at Microsoft working on C++ libraries and Windows. Romans 1:16

answered Jan 14 '16 at 15:15

**Ostati**

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That would pipe the standard output of `temperature` into `prismcom.exe`, which is not what the question asks for; the output of `temperature` has to become one of the command-line arguments of `prismcom`. — [Harry Johnston](#) Feb 24 '18 at 3:38

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