

Making Things Move



Finding Inappropriate Uses For Scripting Languages

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push bits around

change pixels

make sounds

(beep)

boring

free your mind

skills you have

(bits)

(pixels)

(sounds)

re-imagine reality



DANGER OF DEATH

Warning:

this can kill you!

I accept no
responsibility for what
you do with the wild
ideas I'm about to put
in your head ;-)

Choices, choices!

Parallel, RS232,

PS2, PCI, USB,

IR, Bluetooth, ...

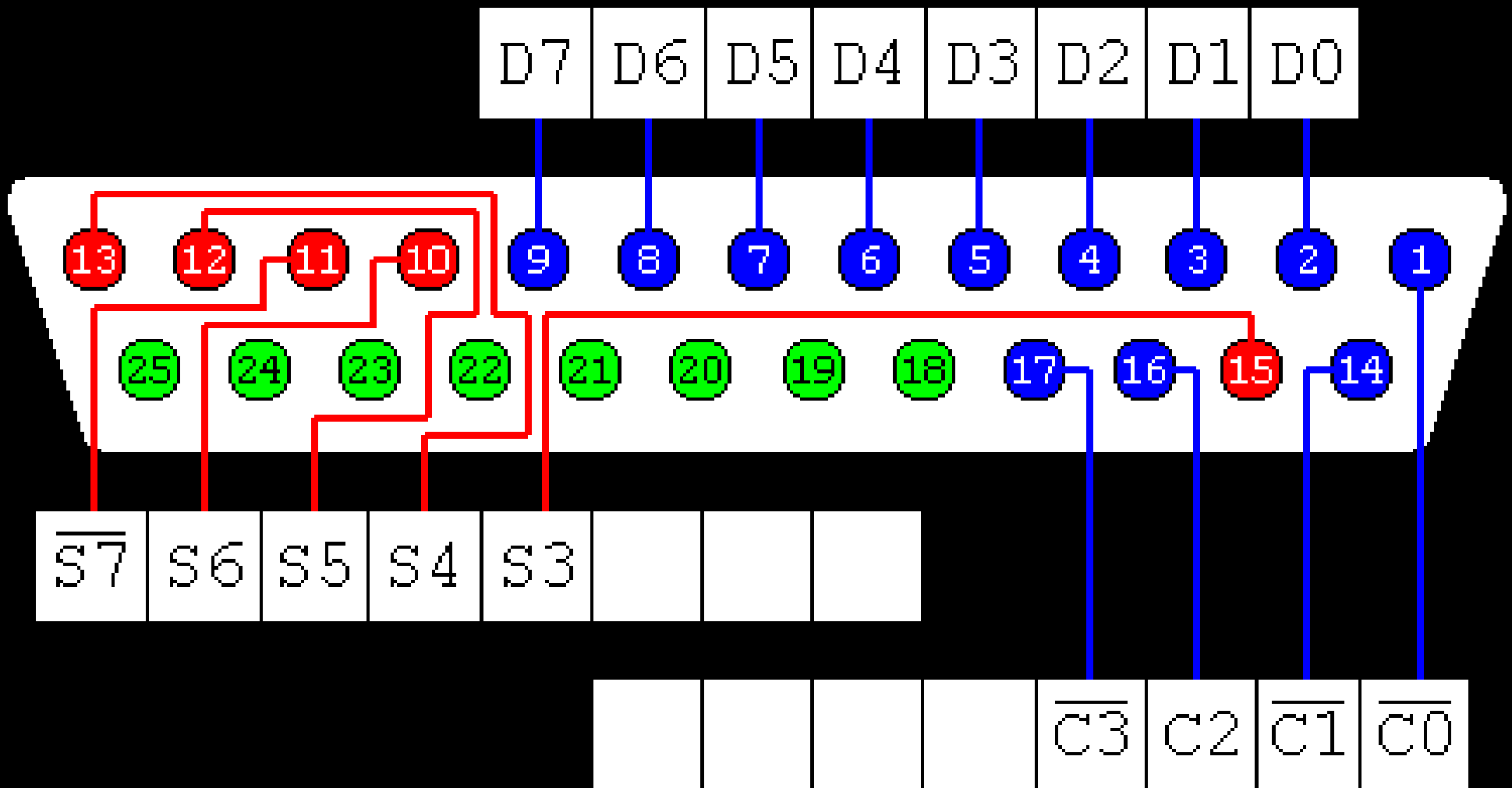
the parallel port
is **good** because
it's “dumb”

no flow control

no comms protocol

just turn bits

on and off



D7 D6 D5 D4 D3 D2 D1 D0

13 12 11 10 9 8 7 6 5 4 3 2 1
25 24 23 22 21 20 19 18 17 16 15 14

$\overline{S7}$ $S6$ $S5$ $S4$ $S3$

$\overline{C3}$ $C2$ $\overline{C1}$ $\overline{C0}$

the parallel port

is **bad** because

it's “dumb”

scripting language

support very poor

use a trivial

C helper

Ohm sweet ohm



Not just a pretty face



Who goes there?



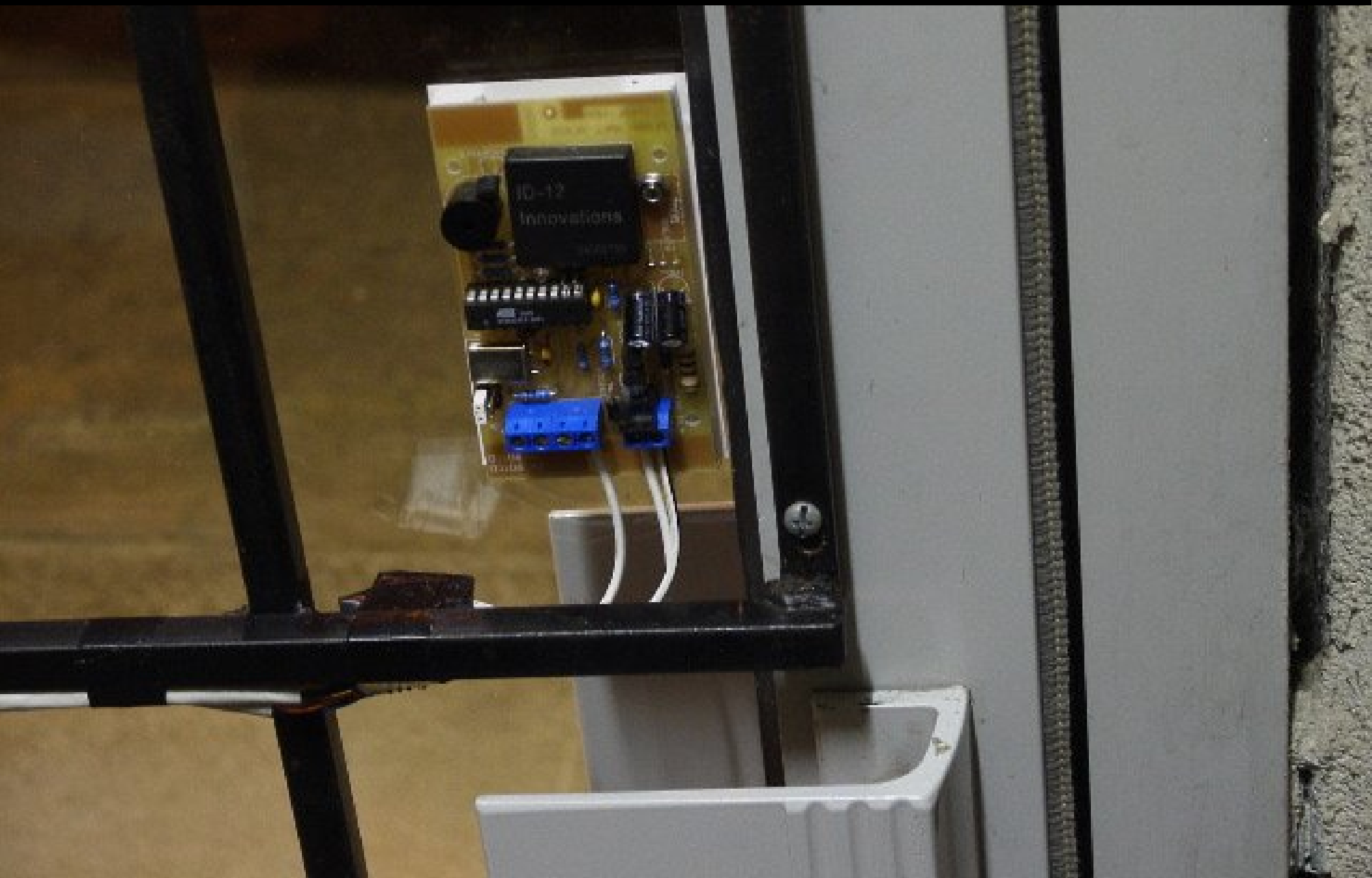
Let there be light



Magnet power!



What am I?



Curtains for lazy people



Curtains for lazy people



Price check on aisle 3!



Watering for lazy people



PHP phone home



free your mind

hardware is malleable

use scripts as glue

More information



Online resources: massive!

Google “parallel port control Linux” for more info than you can shake a stick at.

Code snippets at

jon.oxer.com.au/automation

These slides are at

jon.oxer.com.au/talks

Thanks for listening :-)