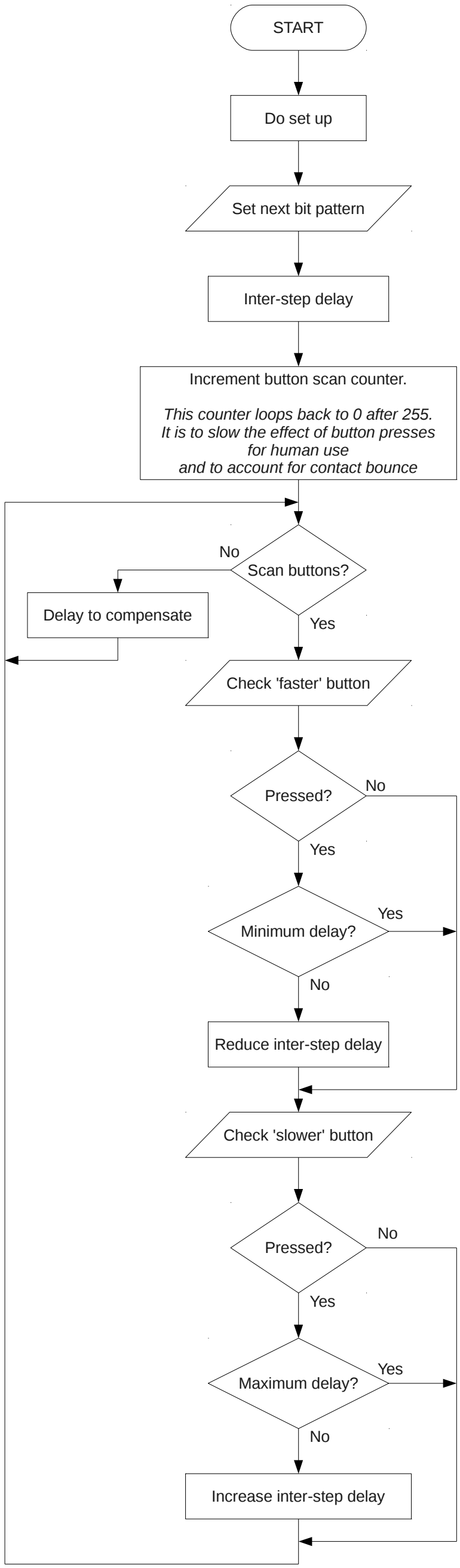
START
Do set up
Set next bit pattern
Inter-step delay
Increment button scan counter.
This counter loops back to 0 after 255.
It is to slow the effect of button presses
for human use
and to account for contact bounce
Scan buttons?
No
Delay to compensate
Yes
Check 'faster' button
Pressed?
No
Yes
Minimum delay?
Yes
No
Reduce inter-step delay
Check 'slower' button
Pressed?
No
Yes
Maximum delay?
Yes
No
Increase inter-step delay