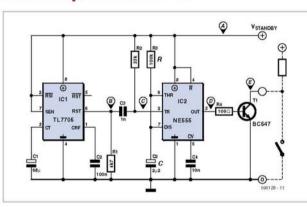
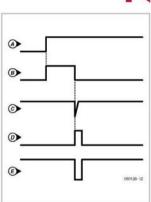
## **Start-up Aid for PCs**







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Since one of the servers owned by the author would not start up by itself after a power failure this little circuit was designed to perform that task.

The older PC that concerned did have a

standby state, but no matching BIOS setting that allows it to start up unattended. Although a +5 V standby supply voltage is available, you always have to push a button for a short time to start the computer up again. Modern PCs often do have the option in the BIOS which makes an automatic start after a power outage possible. After building in the accompanying circuit, the PC starts after about a second. Incidentally, the pushbutton still functions as before.

The circuit is built around two golden oldies: a NE555 as single-shot pulse generator and a

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TL7705 reset generator. The reset generator of the 1 second pulse. The NE555 reacts to Other applications that require a short dura-will generate a pulse of about 1 second after this by generating a nice pulse of 1.1RC. Durition contact after the power supply returns

the supply voltage appears. The RC circuit ing that time the output transistor bridges are of course also possible.

the PC, so it will start obediently.

a small trigger pulse during the falling edge