Potato Synthesis: Construction and Operation

Figure 1 - Wiring for 6.3mm mono Jack audio output, 9v battery terminal and crocodile clips

Figure 2 - PN:68235 IPX BOOT ROM chip with pins 1st and 14th bent outward

Figure 3 - Potato.
1 / Connect the battery and insert the jack lead. Send the audio to a mono channel on an audio mixer or direct to an amplifier.

2 / Push the microchip into the flesh of the potato (not all the pins have to be in contact.).

3 / Connect the crocodile clips carefully to the two bent microchip pins. The clip connected to the battery connects to the 14th pin.

The Potato synthesizer should now being to generate NOISE.

![Figure 4 – connected Potato Synthesizer](image)

The sound will be intermittent, if it seems to stop completely re-boot the synthesiser by disconnecting and reconnecting the crocodile clips or battery.

Best results are achieved by “fiddling” with the device. Try experimenting with:

/ Position of the chip on the potato and which pins are in contact.

/ Handling the potato.

/ Touching the chip.

/ Shining a torch on the device or other changes in light conditions.

/ Sticking other electronic components and wires randomly into the potato.

/ Put a potentiometer between the battery and crocodile clip.

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