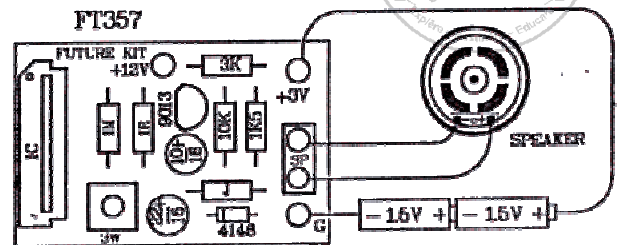
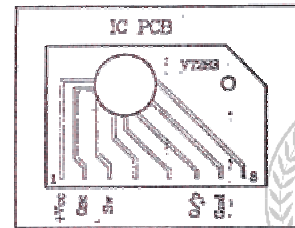
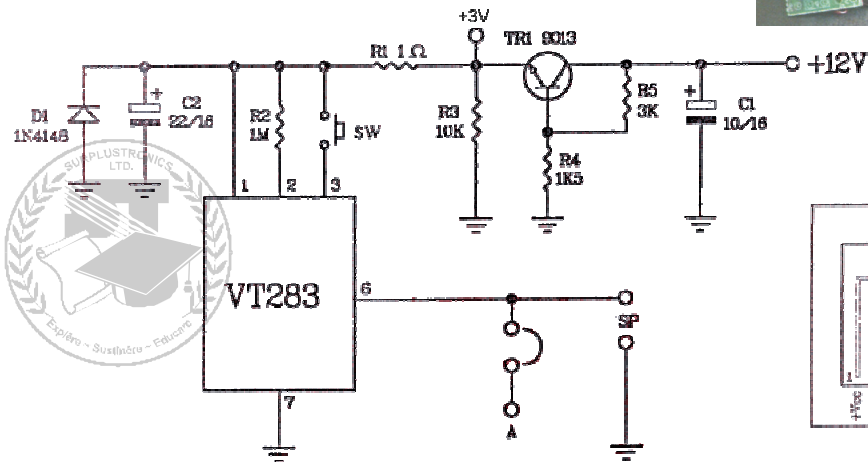
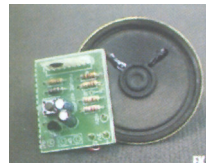


FK207 DOG BARKING VOICE

Imagine if you hooked this up to the door bell! Great fun all round and a very simple circuit. Circuit has ROM chip for voice, but this is already mounted on a board Suits age 14+



This circuit utilizes the principle of digital memory. The digital signal are programmed as ROM. into a IC This kit applies IC ROM in microchip form sealed on a separate PCB. Terminal 6 of IC is connected to the speaker. Terminal 2 of IC is connected through R2 to get the positive voltage to generate the frequency.

Terminal 3 is the trigger which starts the circuits function. Terminal 1 is connected to the positive voltage. The circuit requires 3 volts.

CAUTION: The circuit has IC microchip as the key component. Be careful to avoid cooking it when soldering. The PCB should not be bent since the IC inside is easily broken.

In the assembly of this kit, like most others in the "Future Kit" range, it is best to start by first checking that you have all the components. Then attach them in order of their height from the board. I.e. resistors first and so on. The last items that should be attached however should always be any semiconductors including transistors. This avoids unnecessary heat on sensitive components.

The PCB or 'printed circuit board' will be marked already for the components. If polarity is essential then this is marked also. Values of components marked are brief and because of the translation are sometimes incorrect, therefore it is best to double check before placing.

Component list:

- R1 1 ohm
- R2 1M ohm (1,000,000 ohm)
- R3 10k ohm (10,000 ohm)
- R4 1k5 (1,500 ohm)]
- R5 3k ohm (3,000 ohm)
- C1 10µF 16v electrolytic
- C2 22 µF 16v electrolytic
- D1 4148 signal diodes
- S1 SPST momentary TACT switch
- TR1 9013
- IC1 Separate PCB supplied
- SP Speaker 2" 8 ohm ¼ watt

Suits age 13+