

Room Alarm using a Walkman

Walkmans were like iPods before there were iPods. In the 80s if you wanted to take music around with you, you needed a walkman. They used to be expensive. Now they are around \$10 to buy new. I bet if you look around your parents might have one or your local garage sale. There are many different things you can do with it so it is a good thing to have around when inventing!

Materials

1. walkman
2. cassette tape
3. playing card or business card
4. dental floss
5. duct tape
6. computer speakers



Directions

1. First you need a tape that you want to use as your alarm. You can either create it or just use a music tape.
2. If you want to create one, hook a microphone up to your walkman or tape player.
3. Insert your cassette tape.
4. Hit record.
5. Be as loud as possible. The louder your tape is, the louder your alarm will be. Make sure it is long too.
6. Once you have your tape, put it into your walkman.
7. Hit play.
8. Once you hear the beginning of your tape, hit stop.
9. Take off the battery cover.
10. Remove the batteries.
11. Take your business card or playing card and cut it so it fits in-between the batteries and the point where they connect to the walkman's battery terminals.

Directions

12. Once you have figured out the perfect size for the card in your walkman, remove it.
13. You need to attach the dental floss now. I ended up using a hole puncher and threaded the floss through the hole.
14. Tie the floss to itself, but leave some slack around the card.
15. Add some tape to secure the card and floss.
16. Remove the batteries
17. Now put the card in between the batteries and the walkman's battery terminals.
18. Insert the batteries
19. Place the walkman somewhere near the door in a spot that when opened, the door moves away from the walkman and pulls the card out. You might need to wedge or tape the walkman somewhere so it doesn't move when the door opens.
20. Hit play on the walkman (nothing should happen).
This triggers the alarm.

Directions

21. Now tie the other end of the dental floss to the door knob.
22. Make sure the walkman is connected to the computer speakers.
23. Feel free to test it either by opening the door, or by pulling the dental floss. When the card is removed it should trigger the tape to play.
24. Set everything back up, and now your room has an alarm on it!