START
User presses the doorbell button (transmitter)

Transmitted signal reach the receiver?

YES

The chime of the receiver goes off, triggering the logic gates (or some pertinent circuitry to go “HIGH”)

Once the “HIGH” logic gates trigger, it sends a pulse through RS-232 interface to the PC *(will need an RS-232 chip or a µC to interface this communication standard)*

Pulse received by PC?

NO

YES

PC generates a hardware interrupt in order to launch an already user pre-generated mp3 playlist from an mp3 player
Software commands to configure the particular mp3 player to "play" the desired mp3 clip from playlist

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PC user must make sure the mp3 player such as WinAmp’s settings are set at the following instructions:

Play → Advanced Playback → Stop After Current
[Or just press Ctrl+V]

The purpose of this is for the clip to stop automatically and not keep on continuing, which defeats the purpose of a doorbell. Once the door is answered, there is no need for the mp3 to continue

Has the doorbell button been pressed more than once?

Has the doorbell button been pressed more than once?

YES

END

NO