





Alarm clock goes off, making sound

Listener/Controller hears sound

Listener/Controller queries the room for Xbees

Listener/Controller chooses a random Xbee module

Tells Xbee module to “wake up”

Sends Xbee module signal to start its alarm

Xbee module sounds alarm until its button is pressed

Sends back “I have been deactivated” message to Listener/Controller

Listener/Controller choose a random Xbee module which has not already been chosen

Sends Xbee module signal to start its alarm

Xbee module sounds alarm until its button is pressed

Sends back “I have been deactivated” message to Listener/Controller

Listener/Controller choose a random Xbee module which has not already been chosen

*(this process is repeated until all Xbee modules have been deactivated)*

*(Once all Xbee modules have been deactivated)*

Listener/Controller tells all Xbees to “go to sleep”

Listener/Controller resets itself and waits