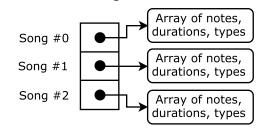
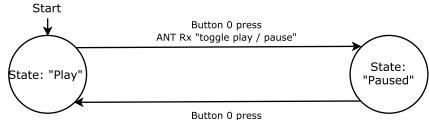
"Music"Application

Table of "songs" and note information





ANT Rx "toggle play / pause"

- Algorithm to play the notes for a song (buzzer advanced module)
- Button 1 & 2 changes songs
 ANT Rx "prey / next" also
- ANT Rx "prev / next" also changes songs

- Turns off buzzers
- Waits for button 0 press, or ANT message (play, previous, or next song) to go back to "play" state

Listen for master channel

Parse ANT_DATA bytes

is a "previous" or "next" song message and send ACK back to master

Notify music module if there

broadcasts

"LCD Display"Application

Flags to keep track of:

- Song title string
- ANT connection status
- Playing or paused status?



- Continuous polling of the different flags from modules
- If any flags changed, update that on LCD screen

"ANT" Application

ANT Configuration:

Channel Type: Slave
Channel Period: 4 Hz
Device ID: 0x9070
Device Type: 15
Transmission Type: 77
Radio Frequency: 2466 Mhz

- Continuously wait for a channel to be open
 Never timeout
- State: "Wait Channel open (master device "connected")

 State: "Channel Opened"

 Slave channel timeout (Master channel disconnect)

 State: "Channel Closing"
 - Close the channel
 - Move back to "wait" state