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## The Next Level

### Motion Sensors

- Manually Disabling Automation

# Motion Sensor – Master Bedroom



- **Selling Points:**
  - ✓ “Hands-free” Lighting
  - ✓ Can be used to enhance Audio/Video up-sell offerings
  - ✓ Invisible to User
  - ✓ Energy Savings
  
- **Installation:**
  - NYCE Motion Sensor
  - Control4 Dimmer
  - Composer – Events to Actions  
Timer, Conditional  
and Variable
  - Sensor covers sleeping and entry areas

# Motion Sensor – Master Bedroom



The screenshot shows the Composer 2.4.0 interface. On the left, the 'Agents' panel lists various agents, and the 'Variables' panel shows a table of variables. The 'Master Bedroom Light Control' variable is highlighted. On the right, the 'Script' panel shows a script for 'When Master Bed->Master Bed Lights top button is double tapped'. The script includes a 'Toggle Variables->Master Bedroom Light Control' action and several conditional actions based on the variable's state. The 'Master Bed Lights Events' panel at the bottom right shows a list of events, with 'Top Double Tap' selected.

Name	Type	Class
Laundry Room Occupied	variable	Number
Laundry Room Vacant	variable	Number
Master Bedroom Light Control	variable	Boolean
Pantry Door Closed	variable	Number
Pantry Door Opened	variable	Number
Porch Light Control	variable	Boolean
Storage Door Closed	variable	Number
Storage Door Opened	variable	Number
TV Room Light Control	variable	Boolean

**Value:**  False  True

Enable SNMP Trap

**Script**

When Master Bed->Master Bed Lights top button is double tapped

- Toggle Variables->Master Bedroom Light Control
- If Variables->Master Bedroom Light Control is True
  - Set bottom LED on the Master Bed->Master Bed Lights to R0 G:64 B:0 when off
  - Set top LED on the Master Bed->Master Bed Lights to Fuchsia when on
- If Variables->Master Bedroom Light Control is False
  - Set top LED on the Master Bed->Master Bed Lights to R5 G:5 B:5 when on
  - Set bottom LED on the Master Bed->Master Bed Lights to R5 G:5 B:5 when off

**Master Bed Lights Events:**

- Top Button Pushed
- Top Button Released
- Bottom Button Pushed
- Bottom Button Released
- Level Changes
- Top Single Tap
- Top Double Tap
- Top Triple Tap
- Bottom Single Tap
- Bottom Double Tap
- Bottom Triple Tap

- A variable and “double tap” is used to turn on and off the Motion Sensor’s control.
- This will prevent the light from coming on during sleeping hours.
- A location based method could be used, but this has proven problematic.

Switch Double Tap

- Toggle Variable
- Change LED Colours to indicate state

# Motion Sensor – Master Bedroom



Composer 2.4.0

File Driver Go Tools Help

Programming

Device Events

- Brad Home Network
  - Home
    - Upper
      - Hall
      - Master Bath
      - Master Bed
        - Room Variables
        - Master Bed MS
        - Master Bed Lights
      - Stairs
      - Upstairs Bath
    - Main
    - Lower
  - Variables
  - Programming Control
  - 4Store
  - System Diagnostics
  - Email Notification
  - Lighting Scenes
  - Remote Access
  - Rhapsody
  - Scheduler
  - Timer
  - Update Manager

Master Bed MS Events

- When the Master Bed MS senses motion
- When the Master Bed MS stops sensing motion

Battery Low

## Motion Sensed

- Check Variable
- Lights on
- Stop Timer

Composer 2.4.0

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Master Bed MS Events

- When the Master Bed MS senses motion
- When the Master Bed MS stops sensing motion

Battery Low

## No Motion

- Check Variable
- Start Timer