

Memorandum

To: R.M. Schafer
From: Smart Windows
Date: January 21, 2010
Subject: Meeting Two Agenda

Action Items:

- Light Sensor- Kelley and Dave
 - Locate and Order Part
 - Set up interface with microcontroller
 - Determine light threshold
- PC/Software- Andy
 - Design GUI
 - Send and receive byte over COM port
- Microcontroller/Wireless- Kelley and Dave
 - Add code library
 - Sleep
 - PAN networking
 - What is involved in making a daughter card
 - Microcontroller/light sensor
 - Switches and buttons
- Motor/Driver/Gearing - Tom
 - Order/Obtain a few classes of motors (3.3V, 5V, 12V)
 - Order/Obtain a gear system for solar shades
 - Where does one get gears?
 - Adaptable for solar shades with gearing and Venetian blinds without gearing?
 - Drive with H-bridge or H-bridge with protection
 - Slip clutch or stopping mechanism
- Powering
 - Dependent on Motor
 - Batteries: AA for 5V
 - Brick for 12V
- Low Level Design
 - Feedback/Suggestions