

# Classrooms

This page is being reconstructed and might not contain correct information: If in doubt, please ask!

## Contacting

If the classrooms need some maintenance that you are motivated to take care of it, but just need funding or want assistance accomplishing this task? Just email [classroom@dallasmakerspace.org](mailto:classroom@dallasmakerspace.org).

## Class Sign In Sheet

[Public Sign-In Google Doc](#)

## Overview (Guide to Rooms)

There are six general use classrooms. Their capacities and default set-ups are detailed in [Rooms Guide](#).

## Lobby Classroom

## Lecture Hall

[Lecture Hall Presentation Guide](#) How to use the equipment

Lecture Hall Presentation Guide



Mu/th/er: Lecture Hall node

## Monitor the Epson PowerLite HC-8350 Projector

The main goal here is to help preserve the projector lamp by:

- monitoring the temperature of the air at the projector's
  - intake
  - exhaust port

## RS-232 interface

- male db9 connector "To use an AV controller with the projector, connect a 9-pin null modem serial cable to the RS-232C port."
- Using the BeagleBone Black:

1. <http://www.logicsupply.com/components/beaglebone/capes/cbb-ttl-232>

because all signals on the BeagleBone Black are 3.3 voltmale, \$15

- Using Raspberry Pi

1. <http://www.ebay.com/itm/like/181629384677?lpid=82&chn=ps>

female, \$10

- Using any 3.3 thru 5.0 volt micro controller:

1. <http://www.ebay.com/itm/MAX3232-RS232-Serial-Port-To-TTL-Converter-Module-DB9-Connector-ARDUINO-/171689092477>

Features:Communication Chip:MAX3232 chipOperating Voltage: 3.3V~5VaFour Interface:VCC,GND,RXD,TXDCan be used in STC SCM,STM32 SCM,NXP SCM,NEC SCMPackage Include:1pcs MAX3232 RS232 To TTL Converter Module DB9 Connector for ACM Robot Smart Car, ARDUINO, RASPBERRY PI, ETC.female, \$11

- Using USB

1. <http://www.ebay.com/itm/RS232-Serial-DB9-pin-female-to-USB-2-0-Cable-Windows-8-No-CD-/271770179924>

female, \$7

2. <http://www.ebay.com/itm/USB-to-RS232-Serial-9-Pin-DB9-Cable-Adapter-connector-For-PC-Mac-GPS-US-/321626964661>

male, \$5

3. [http://www.ebay.com/itm/RS232-Serial-DB9-pin-female-to-USB-2-0-PL-2303-Cable-for-Window-7-Linux/271510225636?\\_trksid=p2047675.c100005.m1851](http://www.ebay.com/itm/RS232-Serial-DB9-pin-female-to-USB-2-0-PL-2303-Cable-for-Window-7-Linux/271510225636?_trksid=p2047675.c100005.m1851)

female, \$8

## Yamaha RX-A840 Receiver

- S/N:
- [http://usa.yamaha.com/products/audio-visual/aventage/rx-a840\\_black\\_u/](http://usa.yamaha.com/products/audio-visual/aventage/rx-a840_black_u/)
- Manual: RX-A840



RX-A840\_OM\_En.pdf

## Epson PowerLite HC-8350 Projector

**This device should be set to accept its input from HDMI 1 to get its signal from the Receiver.**

- S/N: NP3F180855L
- Manual: Epson PowerLite Home Cinema 8350



Epson\_PowerLite...sers\_manual.pdf

## Replacement Bulbs

Epson V13H010L61

3 Nov 2014 - Used bulb from Robert Davidson is now in operation.

links as of 1 July 2015

- <http://www.partsimple.com/v13h010l49-powerlite-home-cinema-8350-osr-n-43.html>
- <http://www.projectorlampsworld.com/epson-powerlite-home-cinema-8350-projector-lamp.html>
- <https://www.bulbamerica.com/products/epson-powerlite-hc-8350-projector-assembly-w-200-watt-projector-bulb>

Theoretically can get the bulbs for maybe, just maybe \$250:

- from  
Atlas Electronics (John)2737 Irving BlvdDallas TX 75207(214) 631-2901
- Was referred by  
Randal (sp)North Dallas Home Theater(214) 597-7714

## Interactive Classroom

### Vizio LCD TV (west)

- Model: E601i-A3B
- S/N: BFLFTRNWAN4421425

### Vizio LCD TV (east)

- Model: E601i-A3B
- S/N: BFLFTRNWAN4323209

### VGA to HDMI Adaptor

- Model Name: USB+VGU+Audio to HDMI
- Model No: SY-ADA31025
- other marking: LAN08070546