

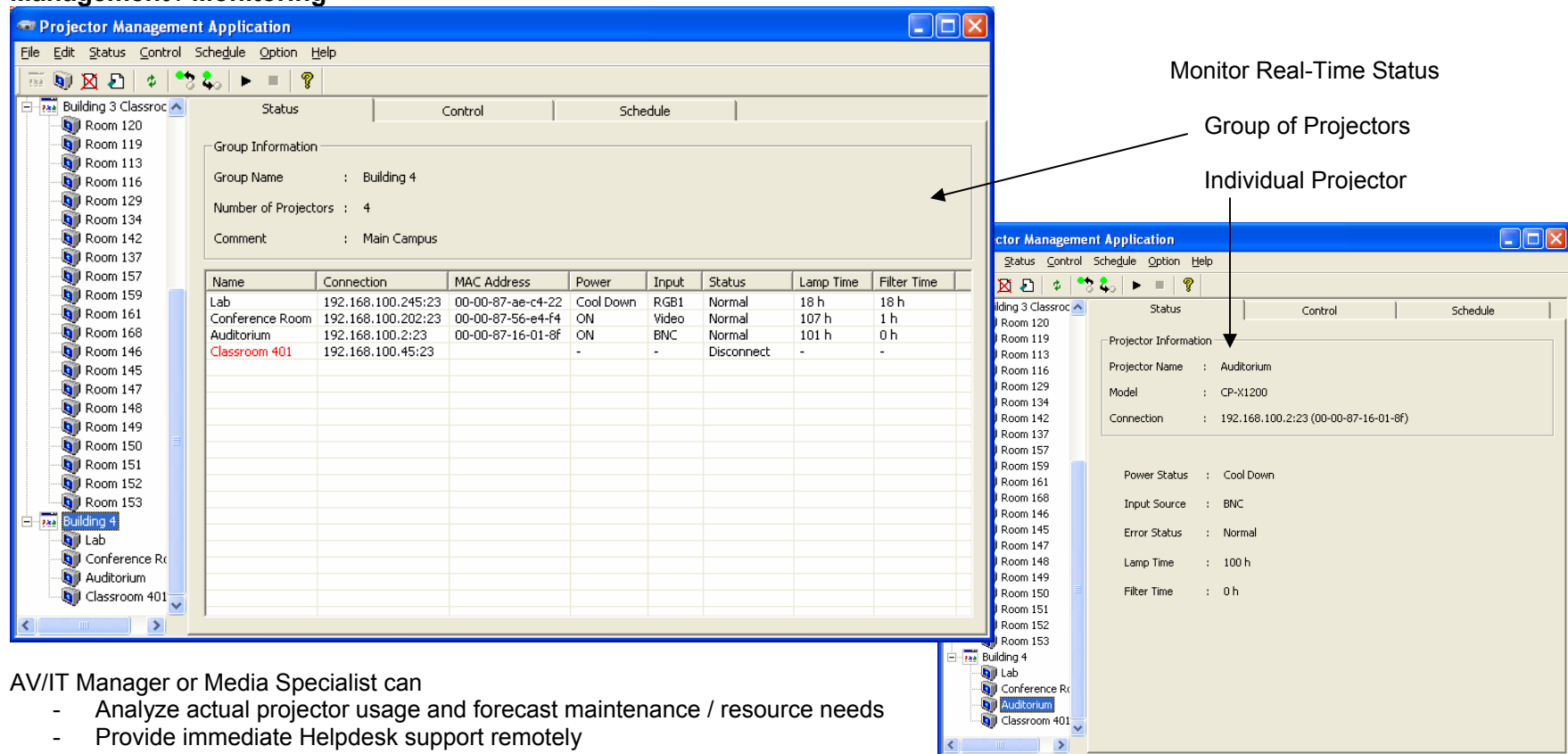
## Networking Hitachi LCD Projectors

### Hitachi Projector Management Application ('PJMan') v6.00

Hitachi's Projector Management Application ('PJMan') provides AV/IT Managers & Media Specialists the ability to manage multiple Hitachi LCD Projectors from a single PC console.

Hitachi's PJMan can control, monitor, diagnose and schedule events for Hitachi LCD Projectors. PJMan can also generate e-mail notifications for routine maintenance and critical situations.

### Management / Monitoring



Monitor Real-Time Status

Group of Projectors

Individual Projector

Name	Connection	MAC Address	Power	Input	Status	Lamp Time	Filter Time
Lab	192.168.100.245:23	00-00-87-ae-c4-22	Cool Down	RGB1	Normal	18 h	18 h
Conference Room	192.168.100.202:23	00-00-87-56-e4-f4	ON	Video	Normal	107 h	1 h
Auditorium	192.168.100.2:23	00-00-87-16-01-8f	ON	BNC	Normal	101 h	0 h
Classroom 401	192.168.100.45:23	-	-	-	Disconnect	-	-

AV/IT Manager or Media Specialist can

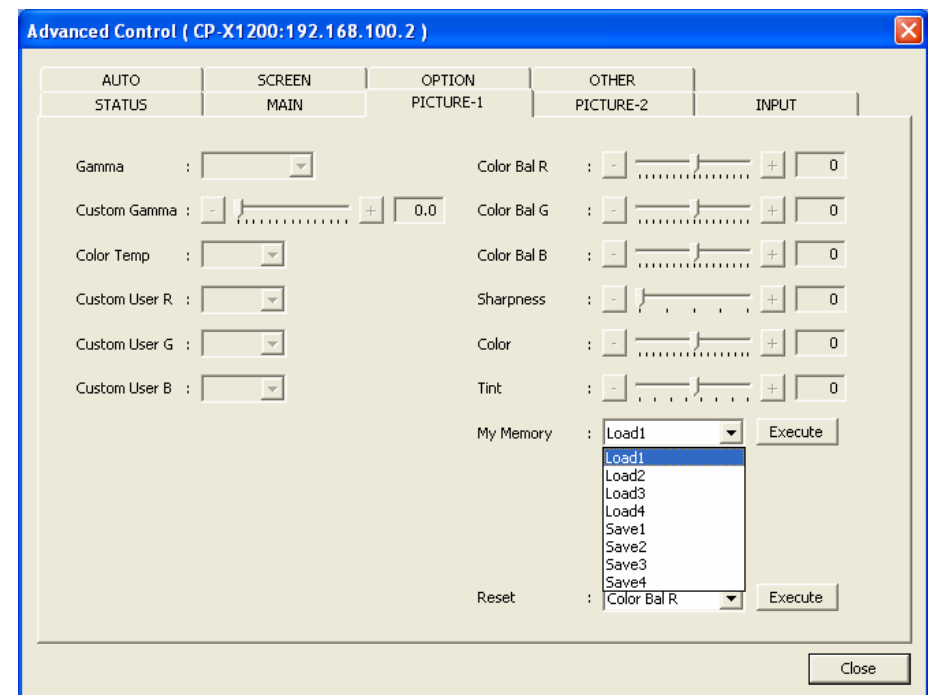
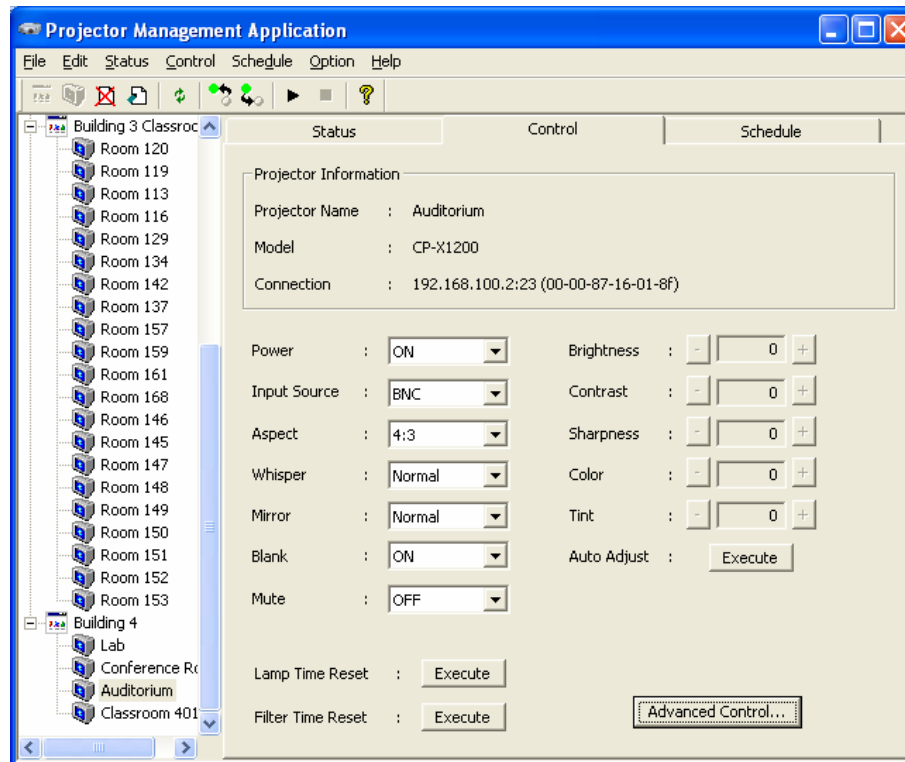
- Analyze actual projector usage and forecast maintenance / resource needs
- Provide immediate Helpdesk support remotely



## Control / Diagnose

Hitachi's LCD Projector Management Application provides Basic and Advanced Control Menus that can be useful for:

- Projector Adjustments
- Installation
- Remote Troubleshooting





## Scheduling

Hitachi's LCD Projector Management Application provides scheduling capabilities for individual and/or groups of projectors.

Scheduled Events can be set on an Hourly, Daily, or Weekly basis.

For example, a group of projectors could be scheduled to Power OFF at a specific time – increasing savings on energy, as well lamp, filter and the overall life of the projector.

The screenshot shows the 'Projector Management Application' window. The left pane displays a tree view of rooms, with 'Building 4' selected. The main area is divided into 'Status', 'Control', and 'Schedule' tabs. The 'Schedule' tab is active, showing 'Group Information' for 'Building 4' (4 projectors, Main Campus). Below this is a calendar for January 2006, with the date 1/24/2006 at 4:50 PM selected. A table shows the schedule for the selected date, with 'Power ON' at 08:00 and 'Power OFF' at 18:00. A 'Schedule Set' section at the bottom allows setting a time (00:00) and control action (Power OFF).

Time	Control
08:00	Power ON
18:00	Power OFF

Schedule Set  
Time : 00:00 Set  
Contro : Power OFF

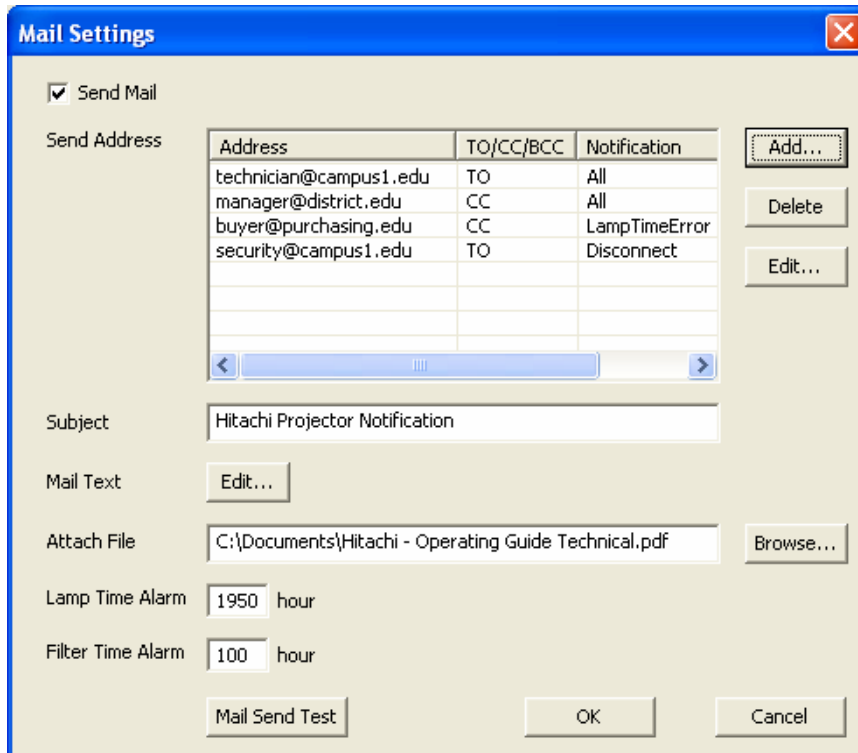


### Maintenance with e-Mail Alerts

PJMan can also generate e-mail notifications for routine maintenance and critical situations.

e-Mail notifications can be adjusted for Proactive maintenance.

For example, adjust to send an e-mail before lamp or filter time is reached, so a replacement can be ordered ahead of time.



**Mail Settings**

Send Mail

Send Address

Address	TO/CC/BCC	Notification
technician@campus1.edu	TO	All
manager@district.edu	CC	All
buyer@purchasing.edu	CC	LampTimeError
security@campus1.edu	TO	Disconnect

Buttons: Add..., Delete, Edit...

Subject: Hitachi Projector Notification

Mail Text: Edit...

Attach File: C:\Documents\Hitachi - Operating Guide Technical.pdf (Browse...)

Lamp Time Alarm: 1950 hour

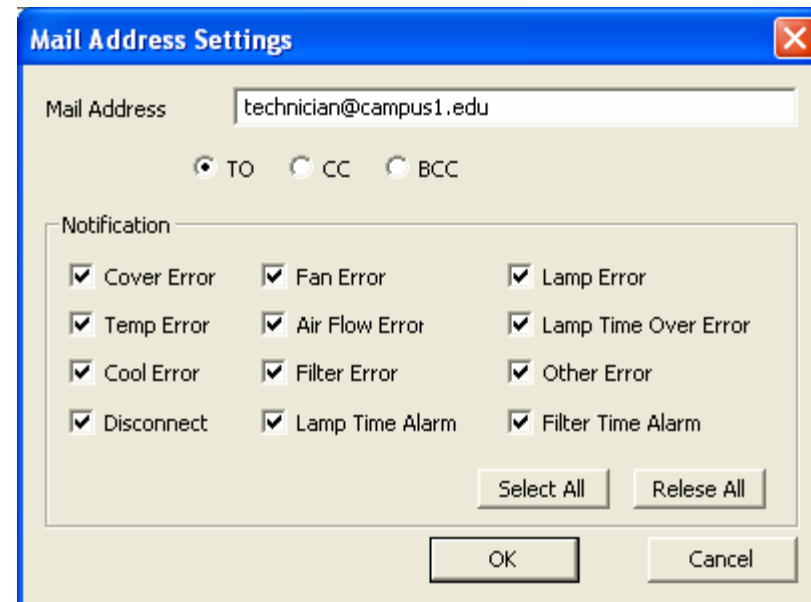
Filter Time Alarm: 100 hour

Buttons: Mail Send Test, OK, Cancel

You can also choose who to e-mail for specific types of conditions.

For example:

- e-Mail Technician for All projector related issues
- 'CC' Purchasing when supplies are needed
- e-Mail Security when projector status is 'Disconnected'



**Mail Address Settings**

Mail Address: technician@campus1.edu

TO  CC  BCC

Notification

<input checked="" type="checkbox"/> Cover Error	<input checked="" type="checkbox"/> Fan Error	<input checked="" type="checkbox"/> Lamp Error
<input checked="" type="checkbox"/> Temp Error	<input checked="" type="checkbox"/> Air Flow Error	<input checked="" type="checkbox"/> Lamp Time Over Error
<input checked="" type="checkbox"/> Cool Error	<input checked="" type="checkbox"/> Filter Error	<input checked="" type="checkbox"/> Other Error
<input checked="" type="checkbox"/> Disconnect	<input checked="" type="checkbox"/> Lamp Time Alarm	<input checked="" type="checkbox"/> Filter Time Alarm

Buttons: Select All, Release All, OK, Cancel

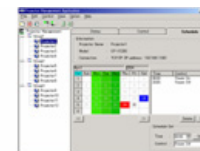


## Hitachi Projector Compatibility

Hitachi's PJMan is compatible with all Hitachi LCD Projectors.

For Hitachi LCD Projectors with an RJ-45 Port – simply connect a LAN cable into the projector.

For Hitachi LCD Projectors that do not have an RJ-45 Port – use an Ethernet to Serial Converter.



**Hitachi 'PJ Man'  
Projector Management Application  
Monitoring Multiple Projectors  
From AV/IT Helpdesk**

**Network  
Switch / Router**

**Ethernet to Serial  
Converter**

Connects LAN to RS-232C  
Control Port of Projector

**Hitachi  
Projector  
without RJ-45 LAN Port**

**Hitachi  
Projector  
with RJ-45 LAN Port**



Hitachi LCD Projectors with RJ-45 LAN Port	
CP-S245	CP-X443
CP-SX1350	CP-X445
CPX2	CP-X505
CP-X205	CP-X605
CP-X255	CP-X608
CP-X256	CP-X1200
CP-X265	CP-X1250
CP-X268A	ED-X8255
CP-X305	
Hitachi LCD Projectors without RJ-45 LAN Port*	
CP-RS55	CP-X300
CP-RS56	CP-X328
CP-RS57	CP-X340
CP-RX60	CP-X345
CP-RX61	CP-X430
CP-S210	CP-X440
CP-S220	CP-X444
CP-S225	CP-X880
CP-S235	CP-X885
CP-S240	CP-X990
CP-S318	CP-X995
CP-S335	CP-X1230
CP-S420	ED-S3170
CP-SX5600	ED-S3350
CP-X200	ED-X3270
CP-X250	ED-X3280
CP-X251	ED-X3400
CP-X253	ED-X3450
CP-X260	

\*requires Ethernet to Serial Converter or RS-232C Connection

PJMan v6.00 minimum system requirements

- Windows 2000 Professional SP4 or later
- Pentium III 500Mhz or higher
- 256MB RAM
- 20MB Free space on HDD
- LAN Port (RJ-45)

Hitachi's LCD Projector Control Application is free of charge from the [Software Downloads](#) section of the [www.hitachi.us](http://www.hitachi.us) web site

For a complete line up of Hitachi LCD projector models, please visit [www.hitachi.us/digitalmedia](http://www.hitachi.us/digitalmedia)

For more information on 3LCD technology, please visit [www.3lcd.com](http://www.3lcd.com)