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CLASSROOM TECHNOLOGY GUIDE



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TABLE OF CONTENTS

Touch Screen Control Panel 3

Control Panel 5

Elmo P30HD Document Camera ······ 6

Elmo HV-5100XG Document Camera 9

Laptop Connections/Extron Cubby	13
External USB Ports/Extron Cubby	13

Laptop Connections/Extron Hideaway ····· 14
External LISP Ports/Extrem Hideowary 14
External USB Ports/Extron Fideawary ······

Troubleshooting Tips15













Touch Screen Control Panel

How to Turn ON/OFF the Projector and Other Functions



Buttons and Volume Knob

DISPLAY ON: Press *Display On* to turn on the projector and lower the screen. (Warning: 90 second warm up time; wait for button to stop blinking)

DISPLAY OFF: Press *Display Off* and then <u>confirm action on touch</u> <u>screen</u> by tapping *Power Down* icon to turn off the projector and raise the screen. Failure to confirm will cancel the action.



MUTE: Press the MUTE button to silence audio. Press again to return to normal.

VOLUME (Black knob under Mute button): Turn the knob to the right to increase volume. Turn it to the left to decrease volume.

SELECTING A DEVICE FOR PROJECTION: Press one of the following buttons to project that device.

- 1 PC
- **2 LAPTOP:** After pressing button, tap one of the icons on the touch screen to select proper cable. See next page for explanation of touch screen.
- **4 AUXILARY** (*Not functional—future use*)
- 5 DOC Camera (document camera).

Touch Screen Control Panel Continued

Touch Screen Functions

Home Screen: The home screen displays the classroom location and Columbia State logo. Tapping the home screen has the same affect as pressing the *Display On* button. It will lower the screen and turn on the projector.



Laptop Screen: After pressing the *Laptop* button, the touch screen will change to give two input cable options. Tap the icon of the cable connected to the laptop.

Any mobile device that accepts an HDMI type cable may be plugged in to the projection system. Tap the appropriate icon to project on the screen. Adapters may be available in the classroom for Apple products.



<u>PIC MUTE:</u> Tap the *Pic Mute* icon to temporarily dim the projector bulb and raise the screen (the projector does not turn off). Tap the icon again to return to normal.

This icon appears on every screen of the device selected for projection.



Control Panel How to Turn ON/OFF the Projector and Other Functions



DISPLAY: ON - Turns on the projector and lowers the screen (Warning: 90 second warm up time; wait for ON button to stop blinking)

OFF - Turns off the projector and raises the screen

- **VOLUME:** Turn the knob to the right to increase volume. Turn it to the left to decrease volume. (Green lights to the left of knob will light up as volume increases.)
- **<u>PIC MUTE</u>**: Press the PIC MUTE button to blank the screen. The light illuminates red.
- **AUTO IMAGE:** Press the AUTO IMAGE button if the computer or laptop display does not look normal on the projector screen.
- **<u>CC ON/OFF</u>**: Press the CC button to turn on the closed caption decoder for the DVD/VHS player. Press again to turn off this feature. This does not decode closed captioned media on the computer.

<u>SELECTING A DEVICE FOR PROJECTION</u>: Press one of the following buttons to project that device.

- 1 DOC Camera (document camera)
- 2 LAPTOP
- 3 PC
- 4 VIDEO or DVD/VCR (to project the DVD/VHS player)
- **5 AUX VIDEO**. Press the AUX VIDEO button when you connect an external video device's RCA output to the external video ports on the hideaway.
- 6 AUX S-VIDEO. Press the AUX S-VIDEO button when you connect an external video device's s-video output to the S-Video port on the hideaway. The RCA audio output of the s-video device must be plugged into the RCA port on the hideaway if audio output is needed.

Elmo P30 HD Document Camera

The document camera is located in a drawer on the left side of the podium. Turn the locking mechanism to the right to unlock the drawer and use the handle to pull out the drawer.



The entire Elmo manual is available at: http://www.elmousa.com/sites/default/files/P30HD%28EN%29.pdf





1	Zoom Dial	Use to zoom in and out
2	AF (Auto Focus Button)	Use to activate/deactivate auto focus
3	Illumination (Light Source)	Provides light to document table
4	Remote Control Sensor	Picks up signal from remote control
5	Side Panel	[Not Applicable]
6	Built in microphone	[Not Applicable]
7	Operating Panel	[See next page]
8	Main Switch	Powers on/off document camera
9	Rear panel	[Not Applicable]

Elmo P30 HD Document Camera





1	Zoom Dial
2	AF (Auto Focus Button)
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5	Side Panel
6	Built in microphone
7	Operating Panel
8	Main Switch
9	Rear panel

Use to zoom in and out Use to activate/deactivate auto focus Provides light to document table Picks up signal from remote control [Not Applicable] [Not Applicable] [See next page] Powers on/off document camera [Not Applicable]

Diagram on the Elmo illustrates how to unfold for operation. Reverse action to put in resting position.

Elmo P30 HD Document Camera Continued

Note: Page numbers in legend refer to Elmo manual.

Operating panel



	Mark			Function	
1) LCD panel		el.	To display the output video and the OSD.	
	Not displayed in the OSD.		(up) button	To switch the screen to carnera image. The color of the front operating panel LED changes to blue.	
		¢Ū	(down) button	To turn ON/OFF the lamp.	
2			(right) button	To switch the output image to images stored on the SD card. The color of the front operating panel LED changes to orange.	
			(left) button	To switch the output image to the image input to RGB IN. The color of the front operating panel LED changes to pink.	
	OSD Menu	- م	(up, down, left, right) button	To be used for selecting the menu item.	
3	3 MENU/ENT button		MENU/ENTER button	To show the OSD or select the menu item.	

Note

 The menu items displayed on the screen is called "OSD (On Screen Display)" and the status when the OSD is displayed is called "OSD menu".

CAUTION

The LCD panel of this product is not a touch panel.

Do not push the LCD panel strongly or push it with a sharp object. Otherwise, the LCD panel may be damaged.

Elmo HV-5100XG Document Camera



Elmo HV-5100XG Document Camera

Elmo Remote Control

The Elmo remote control has all of the functions of the Front Operation Panel with added functions to make operation easier.

	Button Name		ime	Function
Π	PAUSE			To pause the image.
2	ELECTRONIC 2X ENLARGEMENT ARRO		2X	To double the image size.
3			ARROWS	To scroll the electronic enlargement screen. When the video pointer is displayed, this can also be used to move the video pointer.
4	MEMORY	NO.		The memory No. Used with5to8.
5	STATUS	TATUS PRESET-SET		To store the operating condition of the equipment. Used with the memory No.
6		PRESET·CALL		To call the stored operating condition then. Used with the memory No.
Z	IMAGE	IMAGE·SET		To store images in the main unit memory. Used with the memory No.
8		IMAGE·CALL		To call the image stored by [IMAGE·SET] button. Used with the memory No.
9	POSI/NEGA			To switch POSI/NEGA.
10	COLOR/B&W			To switch COLOR/B&W.
	LAMP	UPPER		To turn ON/OFF the upper lamp.
12		BASE		To turn ON/OFF the base lamp.
13	MONITOR	R MAIN		To change the output line.
14	OUTPUT RGB1		1	
15		RGB2	2	
16	ZOOM	TELE		To zoom in.
17	WIDE		E	To zoom out.
18	FOCUS	US NEAR		To move the focus near.
19		FAR		To move the focus far.
20		AUTO	D FOCUS	To focus automatically.
21	IRIS NORMAL OPEN		MAL	To reset the AUTO iris to the initial value.
22			4	To open the AUTO/MANUAL iris.
23		CLOS	SE	To close the AUTO/MANUAL iris.

Wireless Remote Control

DVD/VHS Combination Player

The College uses two different brands of DVD/VHS player; JVC and LG. Each of these players functions basically the same, and are no different than a consumer model you may have at home. The DVD/VHS player is located inside the equipment cabinet.

Each unit has a remote control located in the teacher station drawer.

Front Panel

DVD/VHS Combination **Player Continued (LG Model)**

Front Panel

Point the recorder Remote Control here.

USB Port 6 Connect an USB Flash Drive.

- COMPONENT: 480p, 480i 17 Cassette Compartment (VCR deck) Insert a video cassette here.

Extron Cubby (External USB ports, and Laptop Connections)

- 1. A/C Power for Laptop and other mobile devices provides110V power.
- Laptop Computer Video Port. Connect the VGA Cable into a similar looking port on your laptop. Press DISPLAY ON to lower screen and power on projector. Select Laptop on the control panel and tap the icon of the cable on the touch screen to see the device's video on projection screen.
- Laptop Computer Audio Port. Plug the mini audio jack into headphone port on your laptop. You can also plug an I-Pod or MP3 player into this port. Select *Laptop* on the control panel and tap the VGA cabke icon on the touch screen to hear the audio.
- 4. HDMI Cable for Laptop Connection and other mobile devices. HDMI (High-Definition Multimedia Interface) is a digital replacement for existing analog audio/video standards. Many newer computer, audiovisual, and mobile devices use this type of interface to transmit audio and video data to displays such as projectors and televisions. Plug the HDMI cable into the device, select *Laptop* on the control panel, and tap the icon of the HDMI cable on the touch screen to project and/or hear the device.
- 5. USB Port for Flash Drives, USB Drive, etcetera. Connect your USB device here for the teacher station's PC.
- 6. **Wired Internet Connection for Laptop Computer.** Connect the internet cable to the similar looking port on your laptop computer.

Extron Hideaway (External USB ports, and Laptop Connections)

The Extron Hideaway provides external connections for the PC's USB ports, laptop connection, and external audio/visual devices (cameras, I-pods, MP3 players, and etcetera).

Notice in the pictures below that one type of hideaway has more capabilities, but each essentially provide the same basic functions.

- 1. A/C Power for Laptop provides 110V power.
- Laptop Computer Video Port. Connect one end of VGA Cable into this port and the other end into a similar looking port on your laptop. Press ON to lower screen and power on projector. Select Laptop on the control panel to see the laptop computer's video on projection screen. <u>TIP</u>: If the video looks "cut off" on the screen, press AUTO IMAGE on the control panel.
- Laptop Computer Audio Port. Plug one end of mini audio jack into this port and the other end into a similar looking port on your laptop. You can also plug an I-Pod or MP3 player into this port. Select Laptop on control panel to hear the audio. <u>TIP</u>: Use the volume knob on the control panel to adjust the audio level.
- 4. USB Port for Flash Drives, USB Drive, etcetera. Connect your USB device here for the teacher station's PC.
- 5. **Wired Internet Connection for Laptop Computer.** Connect one end of your internet cable to this port and the other to a similar looking port on your laptop computer.
- 6. **S-Video Port**. Connect one end of your S-Video cable to your camera or external video device and the other end to the S-Video port on the hideaway. Press AUX S-Video or S-VIDEO on the control panel to project.
- RCA Video & Audio Ports. Connect the yellow video wire to the yellow port, the white left channel audio wire to the white port, and the red right channel audio wire to the red port. Press VIDEO or AUX VIDEO on the control panel to project.

Having difficulties with equipment in the classroom?

The following troubleshooting guide may help to solve the problem. Further assistance, including a personal tutorial session, may be arranged by contacting Bob Trybalski, Coordinator, Instructional Technology Support Services at (931) 540-2869 or rtrybalski@columbiastate.edu.

Cabinet doors locked?

• The keys should be next to the computer keyboard or in the drawer.

None of the equipment is working!

- Is the master power switch, located inside the cabinet, on?
- Are all the components inside the cabinet turned on?

Projector Problems

- Have you turned on the projector using the control panel or touch screen? It is a black box mounted on the countertop. Look for the "ON" or "DISPLAY ON" button.
- Have you selected the correct input source? Press the button on the control panel that corresponds with the device you are using.

Screen Problems

- The screen will automatically lower when you press the "ON" or "DISPLAY ON" button on the countertop control panel.
- Try pressing the "ON" or "DISPLAY ON" button again after the projector is on and the button stops blinking.

Computer Problems

- Have you turned the computer power on?
- Have you turned on the power to the monitor?
- Have you "logged on" to the network?
- Is the computer not projecting? Check to see if the projector is turned on and the correct input source (PC) is selected on the control panel.
- Volume problem? Use the control panel's volume knob to adjust the sound.
- Double-click the speaker icon on the computer's taskbar to adjust the output volume and un-check the mute box.

Document Camera/Visual Presenter (Elmo)

- Is the power turned on? On some models, the power switch is located in the rear of the document camera near the power cord.
- Is the document camera not projecting? Check to see if the projector is turned on and the correct input source (DOC CAM) is selected on the control panel.
- Is the document dark? Check to see if the upper lamps are turned on. Also, you may need to adjust the iris.
- Is the document bright? Try turning off the upper lamps and/or adjusting the iris.
- Is the transparency dark? Check to see if the base lamp is turned on and try adjusting the iris. If your document camera does not have a base lamp, check to see if the upper lamps are on and/or try adjusting the iris.
- Is the transparency bright? Try turning off the base lamp or the upper lamp and adjusting the iris.
- Is the document or transparency out of focus? Try pressing auto-focus or manually adjusting the focus.
- Is the remote control's batteries dead? Contact Media Services for new batteries.

TROUBLESHOOTING CONTINUED

VHS Machine

- Is the power turned on?
- Is there a tape in the machine?
- The machine will not play the tape. Have you tried another tape?
- Did you press VHS on the remote control or front of the machine?
- Is the VHS machine not projecting? Check to see if the projector is turned on and the correct input source (VIDEO or DVD/VCR) is selected on the control panel.
- Is the remote control's batteries dead? Contact Instructional Technology Support Services for new batteries.
- Volume problem? Use the control panel's volume knob to adjust the sound.

DVD Player

- Is the power turned on?
- Is there a DVD or CD in the machine?
- The machine will not play the disc. Have you tried another disc?
- Did you press DVD on the remote control or front of the machine?
- Is the DVD machine not projecting? Check to see if the projector is turned on and the correct input source (VIDEO or DVD/VCR) is selected on the control panel.
- Is the remote control's batteries dead? Contact Instructional Technology Support Services for new batteries.
- Volume problem? Use the control panel's volume knob to adjust the sound.