

ELMO

Touchboards™

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ELMO Switcher CRC-1

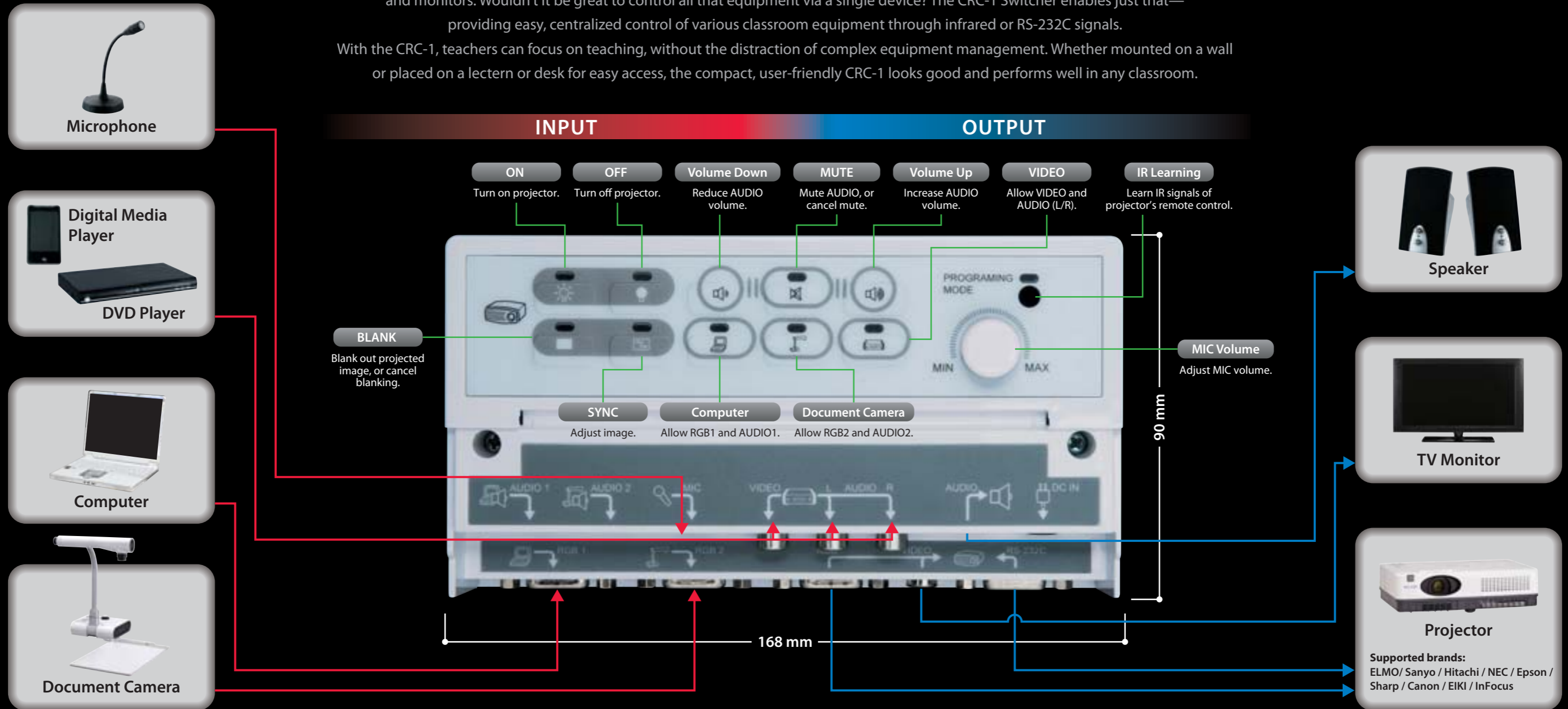
Teacher's + Choice



For Perfectly Orchestrated Lessons

Another ELMO Solution for Effective Classroom Presentations

Today's classrooms make use of a multitude of audio-visual equipment, including document cameras, projectors, computers, DVD players, and monitors. Wouldn't it be great to control all that equipment via a single device? The CRC-1 Switcher enables just that—providing easy, centralized control of various classroom equipment through infrared or RS-232C signals. With the CRC-1, teachers can focus on teaching, without the distraction of complex equipment management. Whether mounted on a wall or placed on a lectern or desk for easy access, the compact, user-friendly CRC-1 looks good and performs well in any classroom.



Switch between computer, document camera, or video (DVD)

Various input sources can be selected from the CRC-1, making the switch between classroom devices smooth and easy.

Control microphone volume

With the CRC-1, microphone volume can be controlled separately from other AV equipment.

Control projector functions: on/off, input selection, and image adjustment

For easy selection and operation, the CRC-1 has built-in RS-232C commands for nine projector manufacturers. Additionally, an IR learning function "learns" the IR signals of a projector's remote control, allowing the projector to be controlled via the CRC-1.

Adjust AV equipment sound volume

The sound volume on AV equipment can easily be adjusted via the CRC-1.

Supported brands:
ELMO / Sanyo / Hitachi / NEC / Epson / Sharp / Canon / EIKI / InFocus

CRC-1 Specifications

Connector	Item	Specification	
Analog RGB	RGB1	Connector type	D-sub 15 (female)
		Video signal	0.7 Vp-p/75 Ω
		Synchronizing signal level	TTL level
		Video frequency characteristics	400 MHz, 3 dB or higher
		Resolution	VGA to SXGA, 1080p
	RGB2	Connector type	D-sub15 (female)
		Video signal	0.7 Vp-p/75 Ω
		Synchronizing signal level	TTL level
		Video frequency characteristics	400 MHz, 3 dB or higher
		Resolution	VGA to SXGA, 1080p
	RGB	Connector type	D-sub 15 (female)
		Video signal	0.7 Vp-p/75 Ω
		Synchronizing signal level	TTL level
		Video frequency characteristics	400 MHz, 3 dB or higher
		Resolution	VGA to SXGA, 1080p
Video	VIDEO	Connector type	RCA pin jack
		VBS signal	0.7 Vp-p/75 Ω
	VIDEO (Output)	Connector type	RCA pin jack
		VBS signal	No output distortion or attenuation.
Audio	AUDIO1	Connector type	3.5 mm-diameter stereo mini jack
		Input impedance	8000 Ω (right/left)
		Max. input level	Max. volume at 1.0 V: Gain=1.89
	AUDIO2	Connector type	3.5 mm-diameter stereo mini jack
		Input impedance	8000 Ω (right/left)
		Max. input level	Max. volume at 1.0 V: Gain=1.89
	VIDEO (L/R)	Connector type	RCA pin jack
		Input impedance	8000 Ω (right/left)
		Max. input level	Max. volume at 1.0 V: Gain=1.89
	AUDIO	Connector type	3.5 mm-diameter stereo mini jack
		Audio frequency band	280 Hz - 20 kHz
		Output impedance	500 Ω (right/left)
		Output level variable range	2.0 V
	Microphone	MIC	Connector type
Microphone type			Condenser microphone, moving-coil microphone
Input impedance			21400 Ω

Connector	Item	Specification		
RS-232C	Connector type	D-sub 9 (female)		
	No. of tables	8		
	No. of commands	6		
	Baud rate	4800/9600/19200/38400/115200 bps		
	Data bits	7 bits, 8 bits		
	Stop bits	1 bits, 1.5 bits, 2 bits		
	Parity bit	Non/odd/even		
	Cable length	15 m (standard value)		
	Cable type	When using a specified projector, use the supplied cable. In other cases, a commercially available cable is required.		
	Supported projectors	1. Use the RS cable's D-sub 9 connector ELMO : CRP series Sanyo : LP-XW200 / LP-XW250 / LP-XW300 Hitachi : CP-X308J / CP-X417J / CP-X3010J / CP-X2510J NEC : NP600SJ / NP500WSJ / NP215J / NP210J / NP115J / NP110J Epson : EB-410W / EB-826W / EB-825 / EB-85 Sharp : PG-F255W / PG-F312X / PG-F212X Canon : LV-7375 / LV-7370 / LV-7275 / LV-8300 EIKI : LC-XS25D / LC-XS30D InFocus : IN2100 / IN2104EP		
	Recommended models (as of February 2010)	2. Use the RS cable's Mini DIN 8 connector Sanyo : LP-XW60 / LP-XW65 / LP-WXL46 EIKI : LC-XB42D		
	Infrared output	Connector type	D-sub 9 (female)	
		Learning	Operating distance	Max. 3 cm
			No. of learning items	7 buttons
			Frequency	30 kHz - 42 kHz
		Output	No. of operations	7
				ON, OFF, BLANK, SYNC, Computer, Document Camera, VIDEO
Cable type	Use the supplied cable.			
Unit specifications	Power voltage	12 V DC (AC adapter AC 100 - 240 V)		
	Power consumption	No device connected: 2.1 W All connected: 3.3 W		
	External dimensions (L x H x W)	168 x 90 x 43 mm (including volume knob: 58 mm)		
	Weight	306 g		
	Operating temperature range	0 - 40°C		
	Supplied items	AC adapter, Power cable, RS cable, IR cable, Bracket, CD-ROM (instruction manual)		

External Appearance



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ELMO's Helping to Provide a Greener Future for Our Children

This ELMO product complies with RoHS Directive 2002/95/EC (Restriction Of the use of certain Hazardous Substances in electronic equipment). This compliance helps to ensure a healthier and greener environment for all our children.

LET'S Start ICT in Education with "Document Camera"!

Visit the ELMO global website to understand what a document camera is in 13 different languages. The ELMO global website introduces you to the useful and effective ways of using the document camera and how the ELMO document camera is used and supported by teachers worldwide. <http://www.elmoglobal.com>



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