![Kramer logo](K KRAMER)

KRAMER CONTROL SYSTEMS

YOUR AV ROOM INSTALLATIONS ARE UNDER CONTROL WITH KRAMER RC PRODUCTS

CONTROL YOU CAN EASILY MASTER

Today anyone walking into a classroom, a boardroom or a conference room, expects the room to be equipped with advanced media options - but no one wants to the spend time learning how to fully use them. The projector or flat panel display should turn on with a press of a button, audio controls should be simple to use, and signal switching should be as intuitive as possible.

Kramer Electronics offers you the chance to take control of your AV installations. With our line of easy-to-configure and easy-to-install control solutions, you can control virtually any AV room with several presses of a few dedicated control buttons. The installer and the end-user enjoy the ultimate in simple configuration, installation, usage and monitoring.

KRAMER ROOM CONTROL OFFERINGS
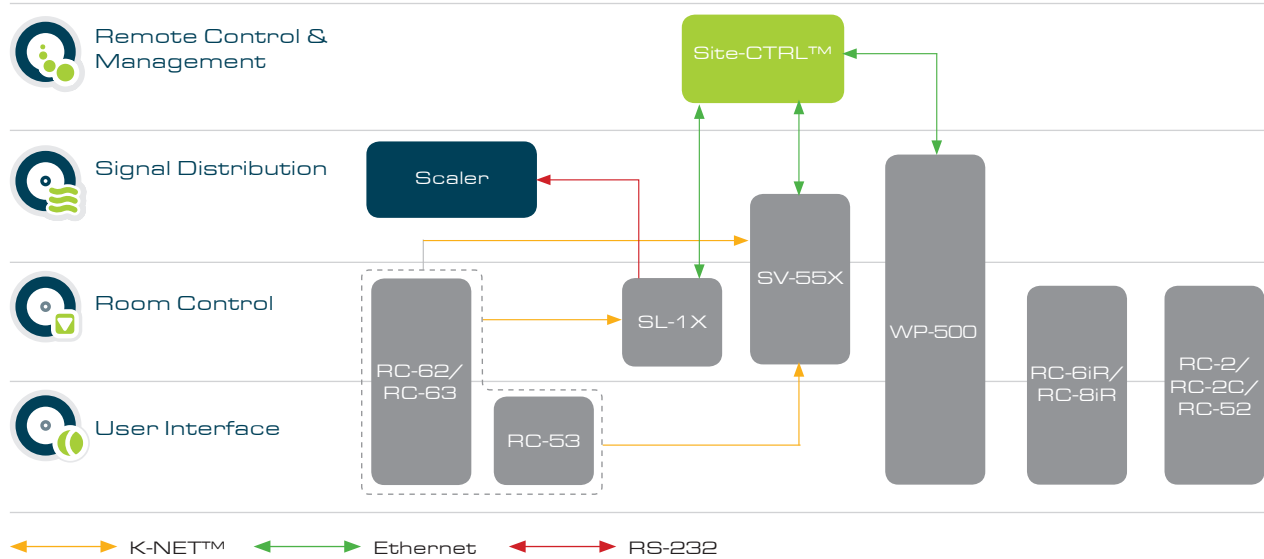
The four functional layers of each AV room installation

LAYERED OFFERINGS FOR ANY CONTROL NEED - FROM ONE DEPENDABLE SOURCE

Kramer offers a wide variety of control products that solve many different AV requirements. These solutions make up the Kramer control system and offer seamless compatibility with Kramer signal management and scaling products.

To clarify Kramer control systems to the installer and the end user, we have defined four distinctive functional layers of an AV room system –

- User Interface - The interface that operates the room functions - from mimicking the buttons on the front panel of the DVD to customizablebuttons on a dedicated room controller.
- Room Control - A dedicated unit that houses the control ports (RS-232 ports, IR emitters, relays and so on).
- Signal Distribution - The layer that distributes and handles audio and video signals.
- Remote Control and Management - A proactive software solution that handles remote site management and reduces AV maintenance costs.

As an example, the previous figure illustrates that our WP-500 functions as the user interface, room control and signal distribution device while the SL-1X series of master controllers provides only the room control function.

Throughout the brochure, the icons representing the layers shown above appear next to each device to indicate its functionality.

K-NET™ INFRASTRUCTURE - THE EASY WAY TO CREATE POWERFUL CONTROL SYSTEMS

K-NET™ is a communication layer developed by Kramer Electronics and any unit with a K-NET™ port can be added to a K-NET™ infrastructure to easily create powerful and flexible room control systems. K-NET™ uses a four-wire cable to transfer data and power to all units in the network. Each K-NET™ network includes a master room controller that holds the configuration files for this small network. If the master room controller is Site-CTRL™ compatible, you can control and manage the entire K-NET™ network from a remote site running Kramer's Site-CTRL™ software.
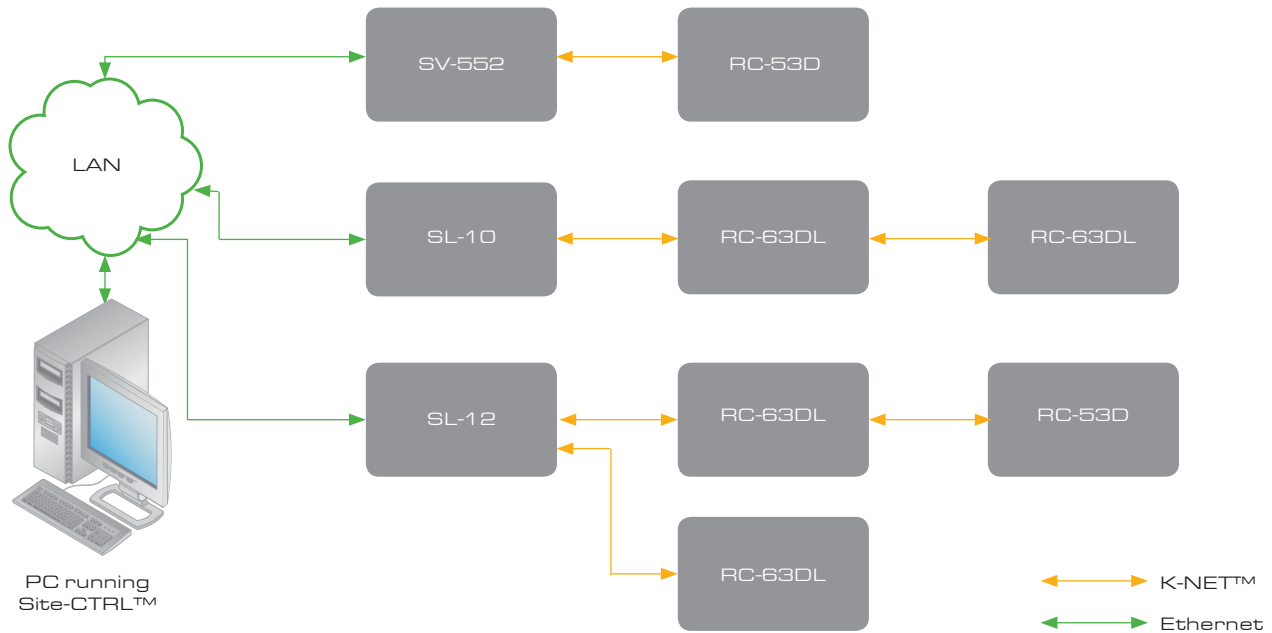

Three examples K-NET™ configurations

Top: SV-552 as a master room controller and RC-53D as a user interface,
Middle: SL-10 as a master room controller with two RC-63DL room controllers as user interfaces in two places in the room,
Bottom: SL-12 as a master room controller for two adjacent rooms, with one RC-63DL in one room and one RC-63DL and one RC-53D room controllers in the second.

KRAMER KONFIGURATOR - THE ONE-STOP CONTROLLER CONFIGURATOR

Kramer Konfigurator is an intuitive configuration application that easily maintains control driver libraries, creates room control macros and protocols, and automatically generates HTML files where applicable.

The easy workflow shared between all Kramer control products enables a "Learn once - use forever" approach.
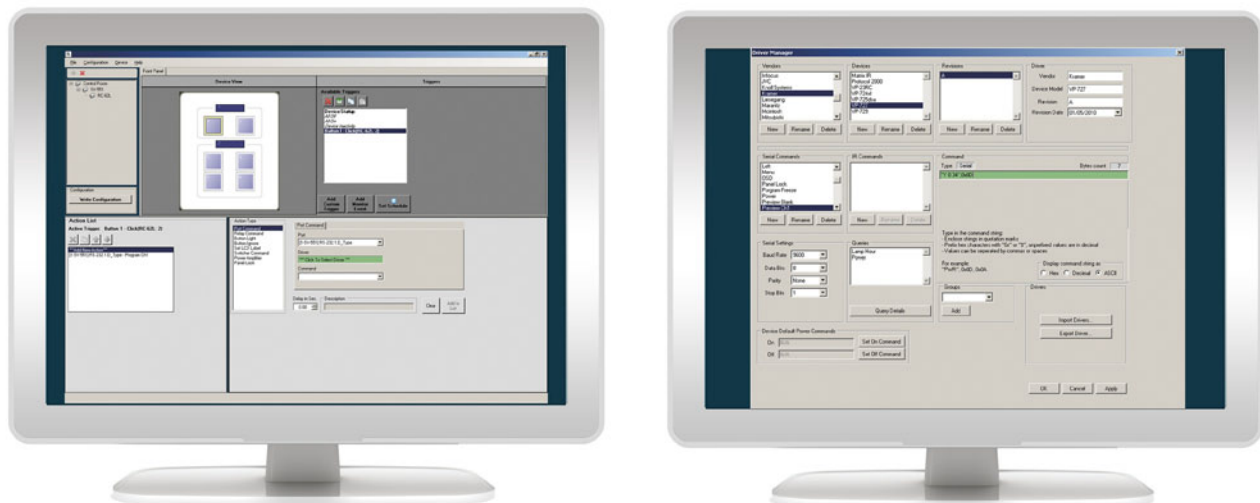
## KRAMER SITE-CTRL™ - AV SITE MANAGEMENT AND REMOTE CONTROL JUST TURNED EASY

Kramer Site-CTRL™ is a powerful AV asset management tool. It offers real-time network monitoring and control of all Kramer master room controllers and AV equipment connected to them. The Kramer Site-CTRL™ downloadable version can monitor and control up to 100 Kramer master room controllers. For larger installations, a similar solution is also available. Site-CTRL™ is easy to install and use and operates on a minimum of IT resources.

FEATURES

- **Single Page Overview** - Summarizes the entire installed AV site on a single page.
- **Status Reporting** - Reports the communication status of each room, the status of the local display devices and remaining lamp life for projectors.
- **Performs Routine Procedures** - Initiates simple ON/OFF macros, switches display devices to standby mode.
- **Accesses Built-in Web Pages of Master Controllers** - For remote operation of more room-specific functions.
- **Proactive Event Handling** - When prompted by a user-defined special event that requires intervention, it raises alerts and automatically sends e-mails.
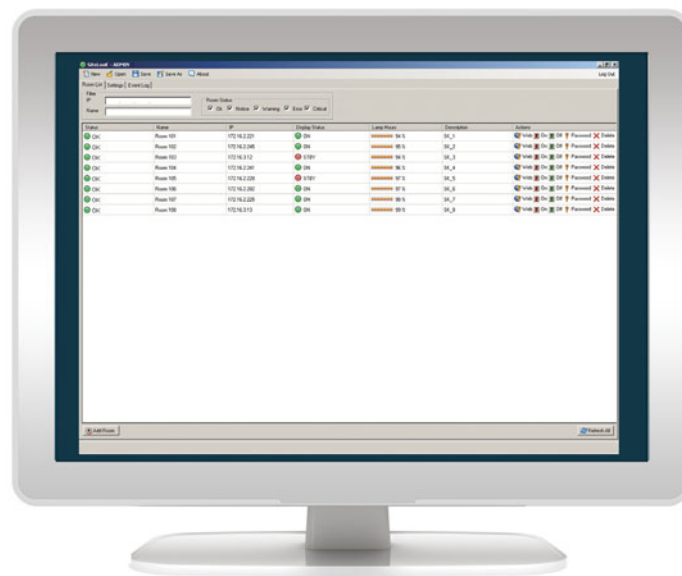
Single-Page Site Overview
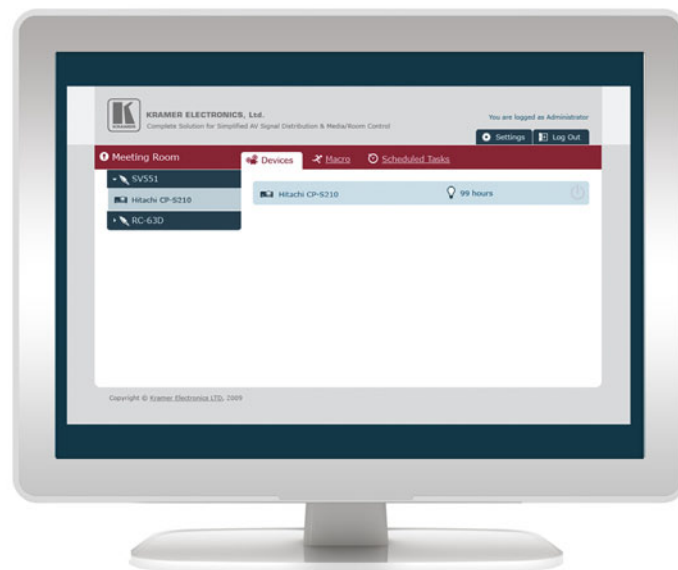
Access Built-in Web Pages of Master Room Controllers

Kramer Electronics has designed a complete and simple solution for the integration of media and control in classrooms, training rooms and presentation rooms. SummitView™ is as easy to use as it is to specify and install. The components that make up the SummitView™ system are available as either standalone products or as complete kits that include wall plates, room controllers with amplifier, speakers, cable and even enclosures ready to be mounted on projection mounts.

With SummitView™ you get a complete high-end integrated media system - just add the displays and sources. All the signals are transmitted over economical CAT 5 cable and switched using the SV-551 or SV-552 BrainBox.

The network-controlled SummitView™ System is everything you need from the company you can count on for quality products and the ultimate in customer support - Kramer Electronics.

THE SV-551 SUMMITVIEW™ PROCESSOR/SWITCHER & ROOM CONTROLLER

Remote Control & Management

Signal Distribution

Room Control

User Interface

MAIN FEATURES

- **Video Inputs** - 5 total. 8 RJ-45 from 5 wall plates via CAT 5, 3 computer graphics or component video, 3 DDC and 2 composite or s-Video.
- **Video Outputs** - 15-pin HD (for computer graphics video), 3 RCAs (for component video), 2 RCAs (for 2 composite video) and 4-pin (for s-Video).
- **Audio** - S/PDIF or unbalanced stereo audio (from the wall plate input module) is output (with optional tone control) to a balanced amplified stereo audio speaker output and audio line out on a terminal block connector.
- **AUX Audio Input** - Mixes an additional audio source such as a microphone at line level.
- **Audio Outputs** - 1 stereo speakers & 1 monitor.
- **Flexible Control Options** - SummitView™ controllers (RC-62 & RC-63) via K-Net™ channel. Also supported: Ethernet, RS-232, 10V volume control and front panel switching.
- **K-NET™ Control Channel** - Provides power and control data to the wall plate controllers over a single cable.
- **Power Connect™ System** - The SV-551 provides power to the wall plate input units via the CAT 5 cable.
- **Control Ports** - Control AV equipment with 2 RS-232, 1 RS-485, 1 IR, 2 relays, and Ethernet ports.
- **Kramer Site-CTRL™ Compatible** - For network remote control and management using Kramer Site-CTRL™ software over the Ethernet port.
- **Remote Volume Control** - Adjusts volume (line & speaker) from an RC-63 or other compatible controller.
- **Internal Clock** - Schedule recurring tasks, define system shutdown timer for economic operation, and more.
- **1 USB** - For programming.
- **Mounting Options** - RK-551 19" rack adapter or mounts in SV-1 mounting kit above the ceiling mount projector.

THE SV-552 SUMMITVIEW™ BRAINBOX™ PROCESSOR/SWITCHER & ROOM CONTROLLER

Remote Control
& Management

Signal
Distribution

Room
Control

User
Interface

MAIN FEATURES

- **Video Inputs** - 6 RJ-45 from 6 wall plates via CAT 5: 3 computer graphics video, 2 composite & 1 DVI/HDMI.
- **Video Outputs** - 15-pin HD (for computer graphics video), RCA (for composite video) & DVI with embedded audio.
- **Audio Inputs** - Unbalanced stereo audio (from the composite, computer graphics video and embedded audio from the DVI & HDMI wall plate input modules).
- **AUX Audio Input** - Mixes an additional audio source (line or mic). Phantom power (if required).
- **Audio Outputs** - 1 stereo speakers, 1 monitor, 1 line & 1 embedded audio on the DVI output.
- **De-Embedds HDMI & DVI Audio.**
- **Flexible Control Options** - SummitView™ controllers via K-Net™ channel. Also supported: Ethernet, RS-232, 10V volume control and front panel switching.
- **K-NET™ Control Channel** - Provides power and control data to the wall plate controllers over a single cable.
- **Power Connect™ System** - The SV-552 provides power to the wall plate input units via the CAT 5 cables.
- **Control Ports** - Control AV equipment with 2 RS-232, 1 RS-485, 1 IR, 2 relays, and Ethernet ports.
- **Kramer Site-CTRL™ Compatible** - For network remote control and management using Kramer Site-CTRL™ software over the Ethernet port.
- **Remote Volume Control** - Adjusts volume (line & speaker) from an RC-63 or other compatible controller.
- **Internal Clock** - Schedules recurring tasks, define system shutdown timer for economic operation, and more.
- **USB Port** - For programming.
- **Mounting Options** - RK-551 19" rack adapter or mounts in SV-1 mounting kit above the ceiling mount projector.

SUMMITVIEW ESSENTIALS KITS - THE EASY WAY TO BUILD A MULTIMEDIA ROOM

The SummitView kits include all components needed for a standard AV installation in a classroom or a small boardroom. The Essentials kits are intended for installations where a projector is already mounted on the ceiling or a flat panel display is used.

In addition, SummitView system components can be ordered as standalone products when additional components are needed for a SummitView kit, or if a custom system is designed from scratch.

	INCLUDED BRAINBOX	INCLUDED USER INTERFACE	INCLUDED WALL PLATES	INCLUDED SPEAKERS	INCLUDED CABLES
SUMMITVIEW ESSENTIALS KIT	SV-551	RC-63DL	SV-301, SV-302	SPK-CC444 closed back ceiling mount speakers	Complete Installation Kit
SUMMITVIEW ESSENTIALS KIT II	SV-552	RC-63DL	SV-301XL, SV-302	SPK-CC444 closed back ceiling mount speakers	Complete Installation Kit

SUMMITVIEW MOUNTING OPTIONS - FOR CONVENIENT INSTALLATION OF THE BRAINBOX™ PROCESSOR OR SWITCHER

SV-1 SV-551 POLE MOUNTING KIT

The SV-1 SummitView™ mounting kit is specifically designed to house the SV-551 and SV-552 SummitView BrainBox processor/switcher together with their power supply and cables. The unit mounts above the projector on a ceiling mount.

The bracket is compatible with any 1.5NFS mounting system. Dedicated center poles (SV-CL-6 and SV-CL-9) with suitable cable routing openings are also available.

RK-551 19-INCH RACK ADAPTER FOR THE SV-551/SV-552

The RK-551 is a rack adapter for mounting the SV-551/SV-552 and their power supplies.

SOLVE EDID PROBLEMS WITH THE FC-200

FC-200 EDID READER AND WRITER

The FC-200 is an EDID reader and writer for computer graphics signals. The unit reads and stores the EDID from the display device, can be disconnected and reconnected without rebooting the operating system, and can write the EDID at the press of a button when connected to an EDID receiver, such as an active VGA wall plate.
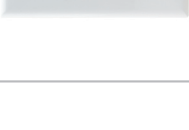
FEATURES

- **Input/Output** - 1 VGA 15-pin HD connector.
- **Battery Operated Power Source.**
- **Controls** - EDID Read and EDID Write buttons, ON LED, power switch.
- **Compatible Models** - SV-301xl and WP-500.

SUMMITVIEW WALL PLATES - INTELLIGENT INPUT PORTS

The SummitView range offers eight active input wall plates. The wall plates receive any of the common computer graphics and video formats with audio, convert them to a balanced differential signal and send them over economical, common and easy to install CAT 5 type shielded twisted pair (STP/DTP) cables to the SV-551 or SV-552 BrainBox™ Processor/Switcher.

The wall plates use the standard Kramer TP technology, offering high video quality and the PowerConnect™ feature that provides power to the wall plates via the CAT 5 type cables from the BrainBox.

	SV-301	SV-301XL	SV-302	SV-303	SV-304	SV-305	SV-306	SV-307
US								
EU								
INPUT INFORMATION	VGA&Audio	VGA&Audio	Composite Video, Stereo Audio & IR out	s-Video, Stereo Audio & IR out	Component Video, S/PDIF Audio & IR out	Component Video, Stereo Audio & IR out	HDMI & IR out	DVI-D & Stereo Audio
COMPATIBLE BRAINBOX	SV-551 (with EDID support)	SV-552 (with EDID support)	SV-551 & SV-552	SV-551	SV-551	SV-551	SV-552	SV-552
SIZE	1 Gang US (Decora) or 1 Gang EU	1 Gang US (Decora) or 1 Gang EU	1 Gang US (Decora) or 1 Gang EU	1 Gang US (Decora) or 1 Gang EU	1 Gang US (Decora) or 2 Gang EU	1 Gang US (Decora) or 2 Gang EU	1 Gang US (Decora) or 1 Gang EU	3 Gang US

K-NET™ ROOM CONTROLLERS AND USER INTERFACES - POWER AT YOUR FINGERTIPS

The RC-62 and RC-63 wall mount controllers are 6-button room controllers for multimedia rooms. The units can function either as a standalone room controller or as part of a K-NET™ control setup.

When used as part of a K-NET™ control system with a dedicated master room controller (such as one of the SummitView BrainBox SV-551/SV-552 or one of the SL-1X series), the selected controller is connected by a single K-NET™ cable to the master controller. In this common setup, no configuration of the wall controller is needed - it automatically reverts to slave mode under the master controller and acts as an easy-to-use user interface panel. In addition to communication, the master controller supplies power to the wall controller over the same K-NET™ cable. Several user interfaces can be connected to the same master controller.

The RC-53D is the first in a new series of price-effective, user interface only panels. The RC-53D cannot be used as a standalone room controller, but only as a user interface to one of the K-NET™ master controllers.

◄ USA version

▼ European version

Remote Control & Management

Signal Distribution

Room Control

User Interface
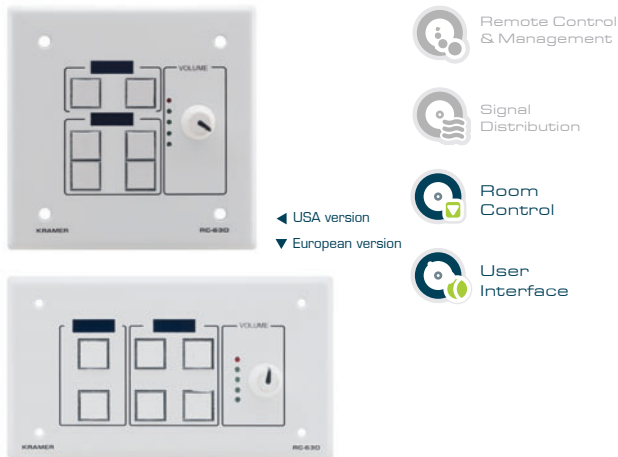
RC-63DL/ RC-63AL

The RC-63DL is a 6-button room controller with a digital volume knob for multimedia rooms. The RC-63AL supports the same functions but has an analog volume knob.

FEATURES

- **6 Programmable-Color, Back Lit & Label Capable Buttons** - User-friendly appearance.
- **Programmable Back-Lit LCD Group Labels** - Programmable back-lit LCD group labels (RC-63DL/RC-63AL); printed group labels (RC-63D/RC-63A).
- **Volume Control Knob** - Digital (RC-63DL), analog (RC-63AL).
- **Macro Capability** - Carry out multiple commands with a single press of a button.
- **Command Banks** - Each button offers multiple layers of functions for alternate behavior, toggle functionality, and more.
- **Internal Clock** - Schedule recurring tasks, define system shutdown timer for economic operation, and more.
- **USB Port** - For programming.
- **Control Ports** - 1 Bi-directional RS-232, 1 IR output, 2 relay contact closure ports, 2 K-NET™ ports, 10V analog audio control (RC-63A).
- **Wall Plate** - 2 Gang US or 2 Gang EU. Available in white.

◀ USA version
▼ European version

Remote Control & Management

Signal Distribution

Room Control

User Interface

RC-62L

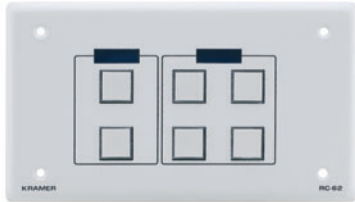The RC-62L is a 6-button room controller.

FEATURES

- **6 Programmable-Color, Back Lit & Label Capable Buttons** - User-friendly appearance.
- **Programmable Back-Lit LCD Group Labels** - Programmable back-lit LCD group labels; digital volume control knob.
- **Macro Capability** - Carry out multiple commands with a single press of a button.
- **Command Banks** - Each button offers multiple layers of functions for alternate behavior, toggle functionality, and more.
- **Internal Clock** - Schedule recurring tasks, define system shutdown timer for economic operation, and more.
- **USB Port** - For programming.
- **Control Ports** - 1 Bi-directional RS-232, 1 IR output, 2 relay contact closure ports, 2 K-NET™ ports.
- **Wall Plate** - 1 Gang US or 2 Gang EU. Available in white.
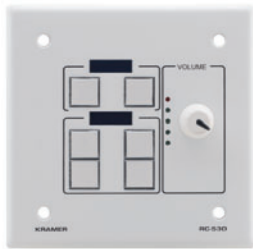
◀ USA version
▼ European version

Remote Control & Management

Signal Distribution

Room Control

User Interface

RC-53D

The RC-53D is a 6-button user interface for K-NET™ master room controller.

FEATURES

- **6 Programmable Buttons** - Color, back-lit & label capable.
- **Programmable Back-Lit LCD Group Labels.**
- **Macro Capability** - Carry out multiple commands with a single press of a button.
- **Command Banks** - Each button offers multiple layers of functions for alternate behavior, toggle functionality, and more.
- **Control Ports** - 2 K-NET™ ports.
- **Wall Plate** - 2 Gang US or 2 Gang EU. Available in white.

SL ROOM CONTROLLERS - CONTROL PORTS WHERE YOU WANT THEM

Kramer SL room controllers allow you to separate the user interface keypad from the control ports that connect the AV equipment in the room. This generally simplifies control cable routing as compared to all-in-one room controllers that feature user interface and room control in one unit.

Remote Control & Management

Signal Distribution

Room Control

User Interface

SL-1   ROOM MASTER CONTROLLER

FEATURES

- Control Ports - 2 bi-directional RS-232 ports, 3 relay contact closure ports, 2 IR control, 1 K-NET™.
- Site-CTRL™ Compatible.
- Status LEDs.
- Supports Scheduled Tasks.
- USB Port - For uploading configuration file.
- Flexible Control - Ethernet, K-NET™, IR sensor and external IR connector.

Remote Control & Management

Signal Distribution

Room Control

User Interface

SL-10   ROOM MASTER CONTROLLER

FEATURES

- Control Ports - 2 bi-directional RS-232 ports, 2 general purpose I/O ports, 5 relay contact closure ports, 3 IR output ports, 1 RS-485, 1 K-NET™.
- Site-CTRL™ Compatible.
- Status LEDs.
- Supports Scheduled Tasks.
- USB Port - For uploading configuration file.
- Flexible Control - Ethernet, K-NET™, IR sensor and external IR connector.

Remote Control & Management

Signal Distribution

Room Control

User Interface

SL-12   ROOM MASTER CONTROLLER

FEATURES

- Control Ports - 4 bi-directional RS-232 Ports, 4 general purpose I/O ports, 8 relay contact closure ports, 4 IR output ports, 1 RS-485, 1 K-NET™.
- Site-CTRL™ Compatible.
- Status LEDs.
- Supports Scheduled Tasks.
- USB Port - For uploading configuration file
- Flexible Control - Ethernet, K-NET™, IR sensor and external IR connector.

WP-500 - WALL PLATE SOLUTION FOR SIMPLE ROOM CONTROL AND SIGNAL SWITCHING

The WP-500 is a unique all-in-one AV solution for classrooms, training rooms and similar simple AV installations.

Video and audio room sources are selected from the front panel push buttons, and pressing the source button also switches the display to the required input channel. The WP-500 is Site-CTRL™ compatible, and can be used in large-scale installations to offer remote room control and management. With accessories such as a dedicated installation cable and on-the-wall and table mounting boxes, installing the WP-500 is as easy as using it.

Remote Control & Management

Signal Distribution

Room Control

User Interface

FEATURES

- **Front Panel Connections** - 2 computer graphics video on 15-pin HD connectors, each with unbalanced stereo on 3.5mm connectors; 1 composite video with unbalanced stereo on RCA connectors; 1 microphone input on a 3.5mm connector.
- **Rear Panel Connections** - 1 RGBHV, 1 composite video, 2 audio outputs on terminal block connectors.
- **Controls** - 2 volume control knobs: 1 audio and 1 microphone; front panel buttons: 1 projector power and 3 input selection. Each button is programmable to perform command macros such as changing projector inputs.
- **Display Control Ports** - IR and bi-directional RS-232 for controlling the display device.
- **Enhanced EDID (Extended Display Identification Data)** - The unit can store an EDID for its input in non-volatile memory as well as having a default EDID if one is not stored. This allows a convenient and reliable connection to the source.
- **Kramer Site-CTRL™ Compatible** - For network remote control and management using Kramer Site-CTRL™ software over the Ethernet port.
- **Wall Plate Size** - 3 Gang U.S.A.

PC 1

PC 2

DVD Player

MIC.

WP-500

LAN

Projector

PC running Site-CTRL™

VGA
Audio
Video
Ethernet
RS-232
IR

* Both Audio outputs are identical and carries the selected audio channel mixed with MIC IN

WP-500 Installation Diagram
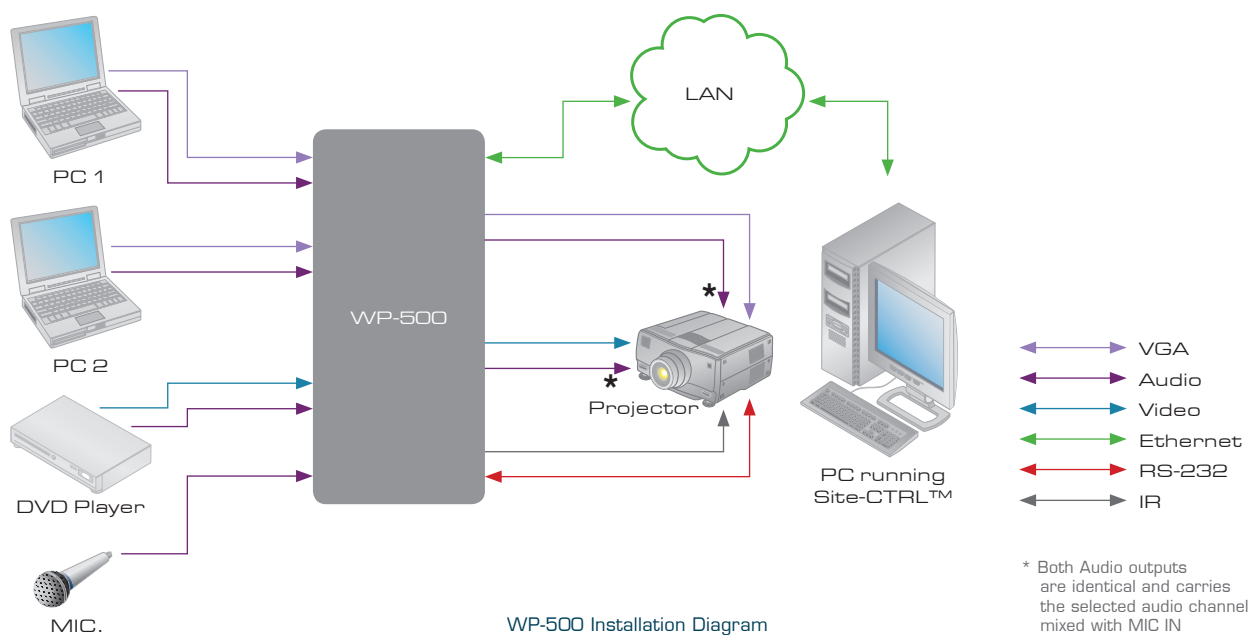
RC-6IR AND RC-8IR - POWERFUL STANDALONE ROOM CONTROLLERS

The RC-8iR and RC-6iR are Kramer's proven solution for rooms requiring powerful standalone controllers. The RC-8iR and RC-6iR share the same control port configuration and offer eight and six configurable buttons, respectively. Different models make it easy to incorporate these powerhouses in various ways in your AV room.

◀ USA version
▼ European version

- Remote Control & Management
- Signal Distribution
- Room Control
- User Interface
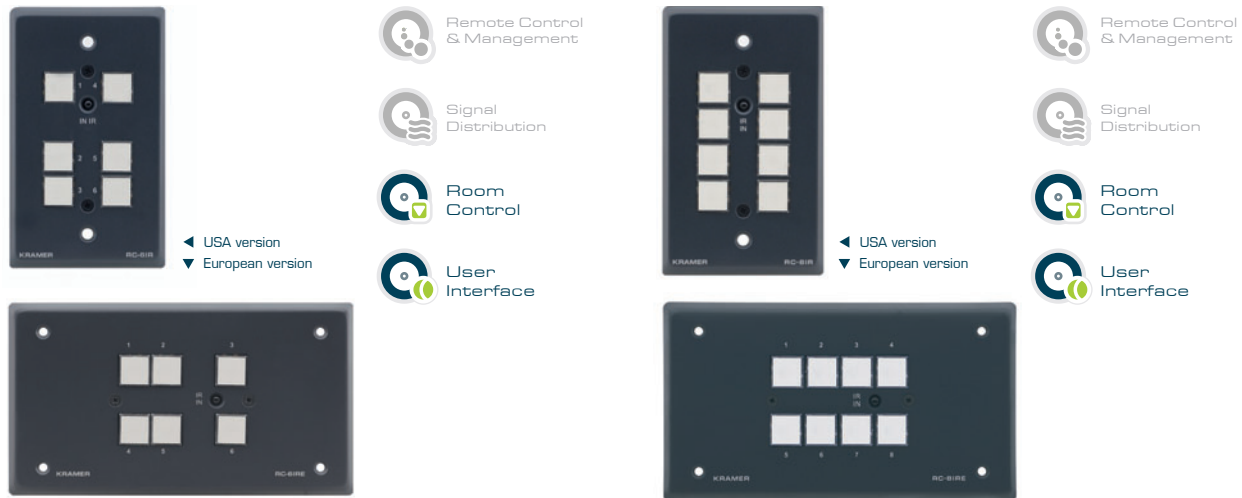
FEATURES

- **Back Lit & Label Capable Buttons** - Up to 15 commands per macro and 4 toggling macros per button.
- **Ethernet Port** - Used for setup with Kramer's RC Configuration software as well as control of the unit from anywhere in the world with an internet connection.
- **IP Control from the Ethernet Port** - Control up to 5 networked AV devices from the Ethernet port.
- **2 IR Ports**.
- **IR Learning Function** - Learn commands from IR remotes.
- **2 Relay Contact Closure Ports** - Conveniently control other room items related to the AV system such as raising and lowering drapes, the screen or the projector.
- **2 Bi-directional RS-232 and 1 RS-485 Ports** - Control up to three additional devices via serial control protocols.
- **Lock-Out Feature** - Can be locked and unlocked to prevent tampering.
- **Wall Plate** - 1 Gang US, 2 Gang EU. Available in white or gray.

RC-8RK

- Remote Control & Management
- Signal Distribution
- Room Control
- User Interface
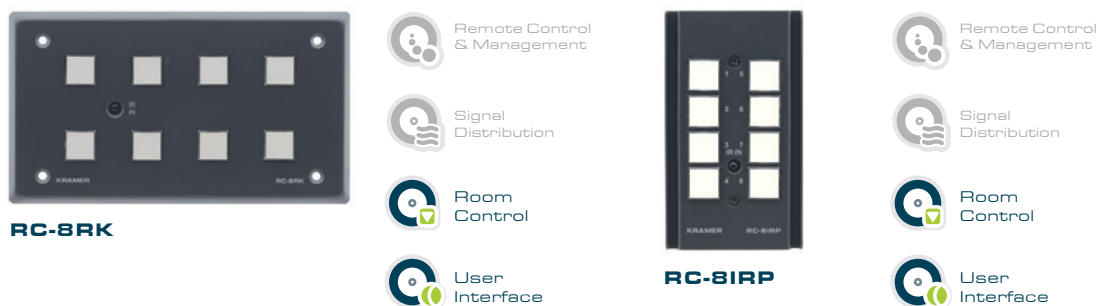
Dedicated RC-8iR version for easy installation in 19" racks using the optional RK-2WP rack adapter. The RC-8RKL, with larger buttons is also available.

RC-8IRP

- Remote Control & Management
- Signal Distribution
- Room Control
- User Interface

Dedicated RC-8iR version for easy installation as part of a Kramer table solution - the "Power tower plus"

RC-52N, RC-2C AND RC-2 - AS SIMPLE AS IT GETS

These simple standalone room controllers offer immediate control over a display or small number of AV units. Easy to configure, easy to install and easy to use - these units offer room control even to the simplest installation.

▲ USA version

▲ European version

Remote Control & Management

Signal Distribution

Room Control

User Interface

RC-52N 6-BUTTON UNIVERSAL ROOM CONTROLLER

The RC-52N is a 6-button room controller for multimedia rooms. It controls audio components, video components, and other room facilities such as lights and screens.

FEATURES

- 6 Back lit & Label Capable Buttons.
- Macro Capability - Carry out multiple commands with a single press of a button.
- USB Port - For uploading configuration file and supplying DC power during configuration.
- 1 RS-232 - Controls AV equipment such as projectors, LCD and PDP displays, power amplifiers, switchers and scalers.
- 1 IR Out - Additional control port for AV equipment.
- IR Features - Learns commands from IR remotes and functions as an IR repeater.
- Lock Out Feature - Can be locked and unlocked to prevent tampering.
- Supports Scheduling Tasks.
- Advanced Mechanical Design - Ensures trouble free in the wall installation.
- Wall Plate Sizes - 1 Gang US, 1 Gang EU. Available in white.

▲ USA version

▲ European version

Remote Control & Management

Signal Distribution

Room Control

User Interface

RC-2C WALL PLATE - RS-232 & IR CONTROLLER

The RC-2C is a 2-button controller that sends a series of RS-232 or IR commands with the push of a button. It operates serial or IR-controlled devices such as projectors, displays, and switchers.

FEATURES

- 2 Multi-Color & Label Capable Buttons.
- 1 RS-232 Port - Controls a device via serial control protocols.
- 1 IR Port - Controls a device via IR protocols.
- Optional Ports - Add control ports with the PL-18 Control Port Expander.
- Memory - Up to 4 commands per macro and 4 toggling macros per button.
- Wall Plate - 1 Gang US, 1 Gang EU. Available in white.

▲ USA version

▲ European version

Remote Control
& Management

Signal
Distribution

Room
Control

User
Interface

RC-2 WALL PLATE - RS-232 CONTROLLER

The RC-2 is a 2-button controller that sends a series of RS-232 with the push of a button. It operates serial devices such as projectors, displays, and switchers.

FEATURES

- 2 Backlit and Label Capable Buttons.
- 1 RS-232 Port - Controls a device via serial control protocols.
- Optional Ports - Add control ports with the PL-18 Control Port Expander.
- Memory - Up to 4 commands per macro and 4 toggling macros per button.
- Wall Plate - 1 Gang US, 1 Gang EU. Available in white.

Kramer control accessories include a wide range of powerful tools that help the installer complete a working control system. Format converters and extenders, protocol translators and many other products are all available.

A few examples follow. To see the rest of Kramer's control accessories, please visit the Kramer Web site.

VP-43XL   RS-232/RS-485/RS-422 FORMAT CONVERTER

The VP-43xl is a bi-directional format converter between RS-232, RS-485, and RS-422 protocols. Input data in any format is converted to the other two formats.

FEATURES

- **Ports** - RS-232, RS-485, and RS-422.
- **Format Conversion** - Any control message is converted to the other two formats at the same baud rate.
- **RS-485** - Up to 32 units can be connected via RS-485.
- **Baud Rates** - 1200, 2400, 9600, 19200 and 38400.

PL-18   CONTROL PORT EXPANDER

The PL-18 is a highly versatile port expander that adds RS-232, IR and relay ports to an RS-232 controller such as the Kramer RC-2, RC-52N, RC-62 and RC-63.

FEATURES

- **2 RS-232 Serial Ports** - One input (from RS-232 controller) and one output (to AV controlled devices).
- **4 Relay Contact Closure Ports** - Conveniently controls other room items related to the AV system such as raising and lowering drapes, the screen or the projector.
- **2 3.5mm for IR Emitter.**
- **USB Port** - For firmware upgrade.

FC-29   IR LEARNER

The FC-29 learns and stores IR (infrared) commands on a PC via a USB connection. The stored IR commands can be uploaded later to multiple room controllers.

FEATURES

- **Built-in IR Receiver.**
- **Learns and Stores IR Commands** - Stores commands on a PC running Kramer's Konfigurator.
- **Powered Directly from the USB Port** - No external power source needed.
- **IR OUT Port** - For convenient testing of learned commands.

PL-8   LOW-VOLTAGE RELAY CONTROLLER

The PL-8 is a high-performance relay controller. The unit connects to up to eight devices for the simplified and centralized control of room functions (such as lighting, closing blinds, and so on) over a K-NET™ network.

FEATURES

- **8 Relays** - For controlling up to 8 devices or room elements, such as blinds, lights, screen, projector lift, and so on.
- **Extends K-NET™ Control** - Can be controlled by SV-551/SV-552, RC-62, RC-63 and any other K-NET™ control units.
- **Indicator LEDs** - LINK indicates active communication, ON indicates power.
- **Firmware Upgrade Via RS-232.**

The SummitView™ System Diagram

Kramer
Ceiling Speaker
SPK-CC444
(Provided with
SummitView
Essentials Kit)

LAN

SV-305
Component Video
& Audio Input
(Optional)

DVD Player

SV-304
Component Video &
SPDIF Audio Input
(Optional)

DVD Player

SV-551
SummitView
Processor/Switcher
(Provided with
SummitView
Essentials
Kit)

Projector

s-Video
Player

SV-303
s-Video &
Audio Input
(Optional)

Composite
Video
Player

SV-302
Composite Video &
Audio Input
(Provided with SummitView™
Essentials Kit)

RC-63DL
(Provided with
SummitView
Essentials Kit)

RC-63A
RC-62
(Optional)

SV-301
Computer
graphics
video &
Audio Input
(Provided with
SummitView™
Essentials Kit)

Computer
Graphics
Source

Wiring Legend:

SV-551 - Projector

Computer grahics video, Composite,
s-Video, Component, RS-232 Cables

AC Cable

CAT 5 Cable

Speaker Cable Cable

K-NET™ Cable

IR Cable

Ethernet Cable

KRAMER CONTROL SYSTEMS

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