MLC 62 D

BASIC MEDIALINK® CONTROLLERS DECORA® VERSION

Simple and Easy-to-use A/V System Control

➤ Eight customizable backlit buttons

➤ Mounts in a Decora-style wallplate

➤ Volume control with level status indicators

➤ Universal display control
   – MLC 62 IR D offers IR control
   – MLC 62 RS D offers IR and RS-232 control

➤ Centralized A/V and room control
   – MLC 62 RS D has two relays and one digital input for controlling screens and lighting

➤ Configuration options: IR learning and easy-to-use Extron configuration software

➤ Inactivity timer for display shutoff

➤ Front panel security lockout

➤ Section 508 compliant

Extron® Electronics
INTERFACING, SWITCHING AND CONTROL

Introduction

The **MLC 62 RS D** and the **MLC 62 IR D** Basic MediaLink® Controllers are easy-to-use keypad controllers for classrooms and meeting facilities. Both models mount in a Decora-style wallplate and offer backlit soft touch buttons for a contemporary look and feel. Each provides control capabilities for common A/V functions including power, input switching, and volume control.

Consistent Control in Every Room

The MLC 62 D controllers act as extended remote control panels providing user-friendly control for a display's power, volume, and input selection. Because the controllers offer a central point of control for a display device's key functions, they eliminate the need for the handheld IR remote control. This way, there are no misplaced remotes to search for, no confusing menus to navigate, and no dead batteries. No matter what brand of display is installed in each presentation venue, the MLC 62 D MediaLink Controller always provides a consistent control method. Presenters with little or no training can walk into any MediaLink equipped classroom and operate the A/V system with minimal effort.

Universal Display Control

Both models of the MLC 62 D offer an IR port for universal display control. The MLC 62 RS D also includes unidirectional RS-232 for display control and two relays, as well as a digital sensor input port.

Front Panel Security Lockout

The MLC 62 D controllers feature Front Panel Security Lockout. When the lockout mode is engaged, the front panel of the MediaLink Controller becomes inoperable. This feature safeguards the system from unauthorized access. Lockout mode is engaged by holding down specific buttons simultaneously for three seconds. The same procedure is repeated to disable lockout mode.

Customizable Backlit Buttons

The controllers have backlit, soft touch buttons that are fully configurable. Standard buttons consist of power on, power off, volume up, volume down, and source selections. Depending on the model, these buttons can be configured to send out IR or RS-232 commands to the display using the intuitive setup software provided. This makes it easy to configure the controller to meet the needs of most single-display A/V systems. The soft touch buttons can be customized to suit the application with a variety of included pre-labeled buttons.

Single - function button options   Dual - function button options

The source buttons offer a choice between a single or dual function setup using one of the optional bezel kits. If additional source devices are necessary, a single function button can be replaced with a dual function button. For example, if source selection is necessary to switch between a PC and video player, a single function button can be replaced with a dual function button to accommodate the two sources. In applications where only a single function is necessary for one source device, a dual function button can be replaced with a single function button.

Configurable IR/S Port

The IR/S port of the MLC 62 RS D provides expanded control capability. This port supports either IR or RS-232, allowing control of a secondary device. When combined with its standard RS-232 port, the MLC 62 RS D is able to control not only the display, but a switcher or source device as well.

Introduction

Inactivity Timer

MLC 62 D controllers are equipped with an adjustable timer that automatically shuts down the projector or flat panel display after inactivity, to conserve energy and extend projector lamp life.

Macro Capability and Toggle Mode

With the MLC 62 D's macro capability, any button can be configured to execute multiple actions. For instance, the touch of a single button could trigger commands to turn on the display, select the display's computer input, and trigger a relay for screen control. Toggle mode provides additional flexibility by allowing two different sets of commands to be executed with alternating presses of a button.

Free Extron Certified Projector Drivers

Extron creates and administers a large library of certified, ready-to-use device drivers. Drivers designated as "Extron Certified" were written by Extron and have been reviewed and tested with third party devices. These IR and RS-232 drivers allow MLC 62 D controllers to communicate with a display device, enabling control of basic projector functions such as power, input selection, and volume adjustment. Go to the Extron Web site at www.extron.com to download drivers for the latest and most popular displays.

Room Control

The MLC 62 RS D has two relays, which allow it to control room functions, such as raising or lowering a projector screen, and turning lighting on or off. In addition, a digital input allows the MLC 62 RS D to monitor a switch or sensor.

IR Learning   USB Port
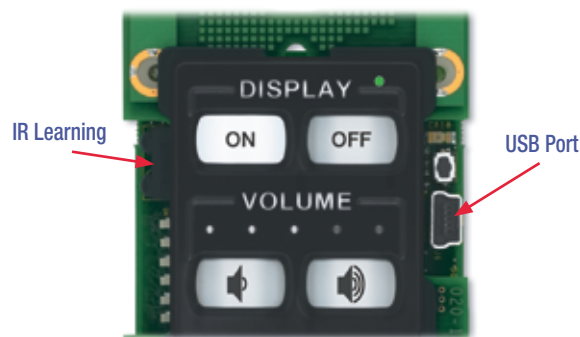
Easy configuration without having to remove installed controller

Easy to Configure

The MLC 62 D controllers offer easy setup using configuration software or IR learning. Easy-to-use Extron configuration software provides fast and simple setup via USB, and includes support for the extensive library of Extron certified, ready-to-use IR and RS-232 device drivers. The USB port is conveniently located behind the removable Decora wallplate for easy configuration access without having to remove the installed controller. Configurations may be saved, then restored to other controllers for replicating common room configurations. IR learning allows the controller to be set up directly from the display's IR remote without the need for software and a PC.

MLC 62 IR D and MLC 62 RS D Port Comparison

MLC 62 IR D

The MLC 62 IR D is ideal for many basic classroom and conference room applications. It offers an IR port for controlling the display device.

MLC 62 RS D

The MLC 62 RS D is ideal for rooms where additional control is necessary. It offers a dedicated unidirectional RS-232 port and a configurable port that supports either IR or RS-232. These ports allow up to two devices to be controlled, such as a display and a switcher, or a source device. Two relays allow the MLC 62 RS D to control screen functions or lighting. A digital input allows monitoring of a switch or sensor.

| Control Port		MLC 62 IR D	MLC 62 RS D
	Buttons	6	8
	IR	1	
	RS-232		1
	IR/RS-232*		1
	Relay		2
	Digital In		1

*Configurable IR/RS port can be either IR or RS-232

MLC 62 IR D - Back

MLC 62 D Configuration Software

MLC 62 D products are simple and easy to configure… no programming knowledge is required

Extron's free MLC 62 configuration software puts all of the most commonly used system control options at your fingertips. One of the costliest aspects of building an A/V control system, in terms of human resources and time, is programming. A/V system programming can be a complex task that requires the skills of an experienced programmer.

Extron's configuration approach offers tremendous benefits over traditional system programming methods. Configuring MLC 62 D controllers is as simple as selecting choices from intuitive, drop-down menus instead of writing, compiling, and debugging complicated computer source code. Should system changes need to be made in the future, such as a new display device, need to be made in the future, an experienced programmer is not required.
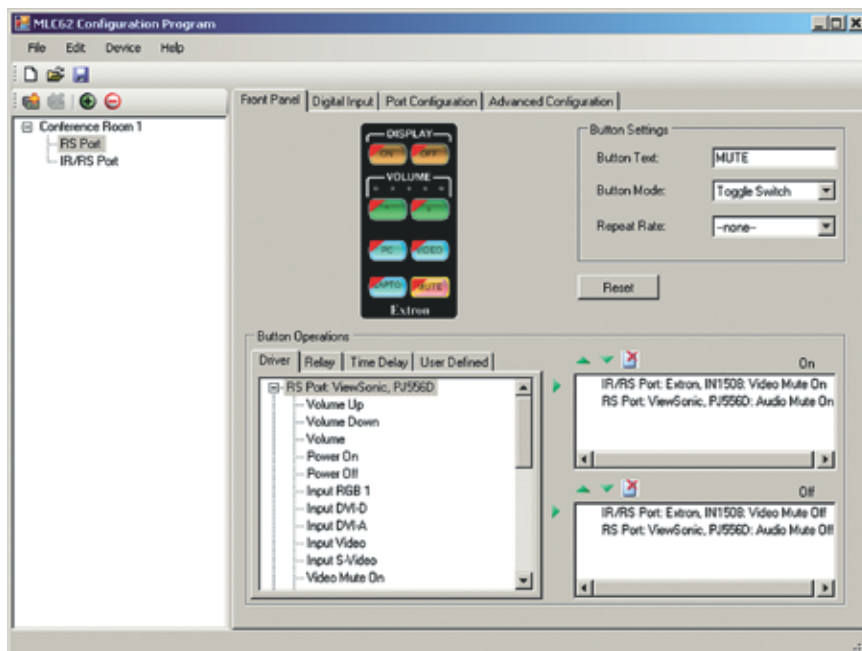

### Nearly Anyone Can Configure A System
Non-programmers can use our free MLC 62 configuration software to build a complete A/V control system, freeing up programmers for other projects.

System Changes Take Less Time
Configuration means that initial system setup time is reduced, and there's no need to delay making changes because you are waiting for a hard-to-find programming resource.
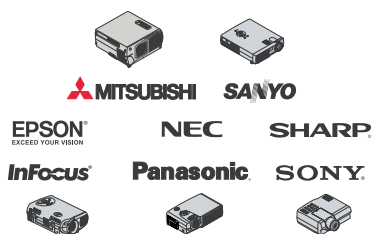
Extron offers thousands of drivers from many major projector and display manufacturers
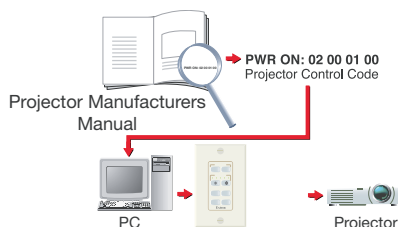
Extron-provided software allows for customized projector control

IR Learning from a handheld IR Remote

Free Extron Certified Projector Drivers
Extron creates and administers thousands of certified, ready-to-use projector control drivers. These IR and serial RS-232 drivers allow MediaLink Controllers to communicate with any display device. They enable control of basic projector functions such as power, input selection, and volume adjustment. Go to the Extron Web site at www.extron.com to download drivers for the latest and most popular displays.

Custom Serial RS-232 Control
In environments where customizable projector control is needed, integrators can easily enter in their own RS-232 commands on the MLC 62 RS D. RS-232 commands can be assigned to any button using the provided configuration software. The MediaLink Controllers will work with virtually any projector.

IR Learning
Serial RS-232 is the preferred method of control; however, many ultra portable projectors and flat panel displays can only support IR control. The MLC 62 IR D and the MLC 62 RS D can learn IR commands from virtually any handheld IR remote control

Overview

Eight Soft Touch Buttons
Buttons are clearly labeled for easy identification. Soft touch buttons provide an intuitive feel and ease-of-use

Volume Control
Provides up and down volume control of the display with LED lights that show audio levels

Decora-style Wallplate
Adds a contemporary look that blends in with any A/V environment. Black and white faceplates included

Front Panel Lockout
Safeguards the system from unauthorized access.

Visual and Audible Feedback
LED blinks green to indicate power on and button presses are confirmed with audible chirps

Compact Size
One-gang design easily mounts in a wall or lectern

Display ON/OFF
Clearly labeled buttons make it easy to turn the display on and off, eliminating the need for a handheld IR remote

Backlit Buttons
Illuminated buttons can be customized with supplied replacement buttons for easy labeling. Backlighting is helpful for presenters in low-light environments

Multiple Memories
Each button can store multiple IR or serial RS-232 commands

MLC 62 RS D - Front

Digital input
Provides monitoring for a sensor or switch

Two Relays
Controls room functions such as lowering projector screens and turning lights on/off

RS-232 and IR ports
RS-232 and IR universal display control
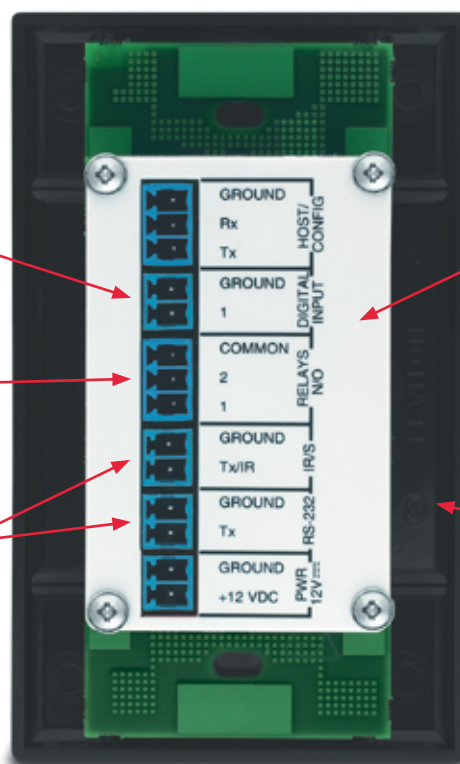
Certified Drivers
Thousands of certified ready-to-use device drivers communicate with display device, enabling control of basic projector functions.

Inactivity Timer for Display Shut-off
Adjustable timer controls automatic shutdown to conserve energy, and extend projector lamp life

MLC 62 RS D - Back

Specifications

CONTROL — HOST PORTS

Serial control port... 1 bidirectional RS-232 on a 3.5 mm captive screw connector, 3 pole
Baud rate and protocol................................ 9600 baud, 8 data bits, 1 stop bit, no parity
Serial control pin configurations .... Pin 1 = TX, pin 2 = RX, pin 3 = GND
USB control ports .... 1 front panel female mini USB B
USB standards... USB 2.0, low speed
IR learning frequencies .... 30 kHz to 150 kHz
IR learning distance .... 4" (10 cm) to 14" (36 cm) from the receiver (on front panel for Decora models, side panel for EU models)
Program control... Extron's configuration program for Windows®
Extron's Simple Instruction Set (SIS™)

CONTROL — SERIAL PORT S(RS MODELS)

Display control port..................................... (1) 3.5 mm captive screw connector, 2 pole for unidirectional RS-232 control (±5 V)
Baud rate and protocol (RS-232).................. 9600 (default), 19200, 38400, 57600, 115,200 baud; 8 (default) or 7 data bits; 1 stop bit; no parity (default), or even or odd parity

CONTROL — IR port (IR models) or IR/serial port (RS models)

IR control port... (1) 3.5 mm captive screw connector, 2 pole for IR or IR/Serial* (transmit only)
TTL level (0 to 5 V) modulated infrared control (all models) from 30 kHz up to 150 kHz, or ±5 V RS-232 control (RS models, transmit only)
*IR/serial ports are configurable via software, serial communication is the default.
Baud rate and protocol................................ For RS models:
9600 (default), 19200, 38400, 57600, 115,200 baud; 8 (default) or 7 data bits; 1 stop bit; no parity (default), or even or odd parity

CONTROL — RELAY (RS MODELS)

Number/type .... 2 momentary or latching (configurable via software)
Connector .... (1) 3.5 mm captive screw connector, 3 pole
Contact rating... 24 V, 1 A

CONTROL — digital input monitoring port (RS models)

Number/type .... 1 digital input (configurable)
Connector .... (1) 3.5 mm captive screw connector, 2 pole
Digital inputs
   Input voltage range .... 0-24 VDC
   Input impedance.. 28k ohms
   Programmable pullup................................... 2k ohms to +5 VDC
   Threshold low to high................................... >1.6 VDC
   Threshold high to low................................... <1.2 VDC

GENERAL

External power supply.................................. 100 VAC to 240 VAC, 50-60 Hz, external; to 12 VDC, 1 A, regulated
Power input requirements............................. 12 VDC, 0.4 A, max.
Temperature/humidity................................. Storage: -40 to +158 ˚F (-40 to +70 ˚C) / 10% to 90%, noncondensing
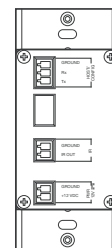Operating: +32 to +122 ˚F (0 to +50 ˚C) / 10% to 90%, noncondensing
Cooling .... Convection, no vents
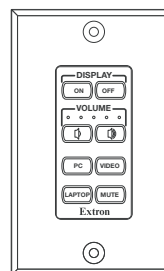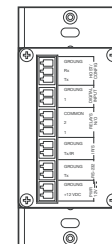
MLC 62 RS D   MLC 62 RS D
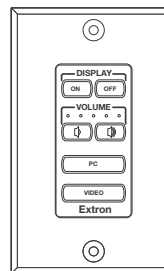
MLC 62 IR D   MLC 62 IR D

Mounting
   Rack mount... No
   Furniture or wall mount
   Decora® models... Yes, with included hardware and mud ring or user-supplied standard 1 gang US electrical box
Enclosure type.. Plastic
Enclosure dimensions
   MLC 62 IR D, MLC 62 RS D
   Faceplate .... 2.6" H* x 1.3" W x 0.2" D
(6.6 cm H* x 3.3 cm W x 0.4 cm D)
(Fits the opening in a 1 gang Decora® faceplate. *Height is 2.8" [7.0 cm] and width is 1.5" [3.8 cm] including outer shoulders.)
   Device.. 2.8" H x 1.8" W x 0.9" D
(7.0 cm H x 4.5 cm W x 2.1 cm D)
(Overall rear dimensions, including connectors. Allow at least 1.5" [3.7 cm] depth in the wall or furniture for device and cable clearance.)
Product weight
   MLC 62 IR D, MLC 62 RS D......................... 1.0 lb (0.5 kg)
   MLC 62 RS EU.. 1.0 lb (0.5 kg)
Shipping weight .... 3 lbs (2 kg)
Vibration .... ISTA 1A in carton (International Safe Transit Association)
Regulatory compliance
   Safety .... CE, c-UL, UL
   EMI/EMC... CE, C-tick, FCC Class A, ICES, VCCI Class A
   Accessibility .... Section 508 of the Rehabilitation Act (29U.S.C.794d)
MTBF .... 30,000 hours
Warranty... 3 years parts and labor
NOTE: All nominal levels are at ±10%

Model	Version Description	Part number
MLC 62 RS D	IR and RS-232 Control - Decora faceplate	60-1005-02
MLC 62 IR D	IR Control - Decora faceplate	60-1006-02
MLM 62 D 6B	Six button bezel kit w/ buttons for MLC 62 D	70-688-02
MLM 62 D 8B	Eight button bezel kit w/ buttons for MLC 62 D	70-688-12

Specifications are subject to change without notice.

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