MLC 52
BASIC MLC - MEDIALINK™ CONTROLLER

Economical control for classroom A/V systems

➤ Universal display control
➤ Discrete ON and OFF display power controls
➤ Configurable buttons
➤ Backlit, easy-to-label buttons
➤ Three easy ways to configure: IR learning, preconfigured display drivers, and IR beaming
➤ Inactivity timer for display shutoff
➤ Front panel security lockout
➤ Includes black and white high-impact plastic mounting faceplates
The Extron MLC 52 IR and MLC 52 RS Basic MediaLink Controllers are economical control panels ideally suited for classroom A/V systems. Each model comes with a black and white faceplate and offers IR control, while the MLC 52 RS also includes unidirectional RS-232 control. By providing easy input selection, power, and volume control, these controllers make classroom A/V operations simple.

**Configurable Buttons for Flexible Control Options**

No programming knowledge is necessary to install MLC 52 MediaLink Controllers. The four lower buttons on the MLC 52 IR and MLC 52 RS default to Volume Up, Volume Down, Select PC Input, and Select Video Input. Using the intuitive setup software provided, these buttons can be configured to send out any IR or RS-232 command supported by the display, making it easy to customize the controller to meet the needs of most single-display A/V systems. For example, three of the four buttons could be configured for input selection, with the fourth button dedicated to video mute or auto image. Each button can store up to four separate commands, providing additional flexibility to meet the specific control requirements for most display devices. When a button is configured for Macro mode, all of the stored commands associated with that button are sent with a single button press. In Toggle mode, the button steps through a series of two, three, or four commands, issuing a single command with each press of the button.

**Free Projector drivers**

Extron creates and administers a wide selection of commonly used projector control drivers. These IR and serial RS-232 drivers allow MediaLink Controllers to communicate with a 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 projectors.

**Three Easy Ways to Configure**

The MLC 52 IR and MLC 52 RS enable integrators to choose any of three methods when configuring the controllers. When used with the supplied Windows®-based configuration software, installation files can be saved and used to duplicate additional MLC 52 models. The files can also be archived for later use.

- **IR learning** - Allows MLC 52 controllers to be set up directly from the IR remote without the need for software and a PC.
- **IR beaming** - Quickly and easily duplicates complete configuration from one MLC 52 model to another without cables or software.
- **Extron’s easy-to-use configuration software** - Provides fast and simple setup via RS-232 when combined with one of many IR drivers available on the Extron Web site.
**Overview**

**Display ON/OFF**
Clearly labeled buttons make it easy and convenient to turn the display on and off, eliminating the need for an external display remote.

**Volume Control**
Provides up and down volume control of the display. If volume control is not required, or additional source switching is needed, these buttons can be configured for input selection or other commands.

**Optional Mount**
An optional MLM 52 VC mounting kit can provide a separate volume knob to control Extron MPA – Mini Power Amp series amplifiers.

**Inactivity timer for display shut-off**
Adjustable timer controls automatic shutdown to conserve energy, prevent plasma burn-in, or extend projector lamp life.

**Built-In IR Emitter/Receiver**
Enables IR learning of commands from IR remote controls. Also provides IR beaming for controller-to-controller configuration without software.

**Status LEDs**
Provide status of IR learning and configuration.

**Configuration Port**
Allows for configuration of the MLC 52 via the front panel.

**Multiple Memories**
Each button can store up to four IR or serial RS-232 commands.

**Optional Mount**
An optional MLM 52 VC mounting kit can provide a separate volume knob to control Extron MPA – Mini Power Amp series amplifiers.

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

**Backlit Buttons**
Illuminated buttons can be custom-labeled with supplied label insert sheets for easy identification. These buttons are helpful for presenters in low-light environments.

**Serial RS-232 and IR Ports**
Provides serial RS-232 and IR universal display control.

**Black and White**
Includes black and white high impact plastic faceplates and mud ring mount brackets.

**IR Remote Control Input Port**
Hardwired IR input for control with optional IR 402 and IRL 20 or IR Link.
MLC 52 Medialink Controller Models

**MLC 52 IR**
Basic MLC - Medialink™ Controller with IR Display Control

**UNIQUE FEATURES**
- IR port for universal display control
- One-gang faceplate

**MLC 52 RS**
Basic MLC - Medialink Controller with IR and RS-232 Display Control

**UNIQUE FEATURES**
- IR and RS-232 ports for universal display control
- One-gang faceplate

**MLC 52 IR VC**
Basic MLC - Medialink Controller with IR and Volume Control

**UNIQUE FEATURES**
- IR port for universal display control
- Integrated volume control knob with 10k potentiometer controls MPA - Mini Power Amplifier
- Two-gang faceplate

**MLC 52 RS VC**
Basic MLC - Medialink Controller with IR, RS-232, and Volume Control

**UNIQUE FEATURES**
- IR and RS-232 ports for universal display control
- Integrated volume control knob with 10k potentiometer controls MPA - Mini Power Amplifier
- Two-gang faceplate

**MLC 52 MOUNTING OPTIONS**
MLC 52 Controller models can be mounted in a standard electrical box or the included mud rings, allowing the controller to be installed virtually anywhere, including walls, lecterns, or tables. Additional mounting options include:

**MLM 52 1GWP**
One-gang wall mounting kit with metal faceplate, available in black or white.

**MLM 52 L VC**
Metal lectern mounting kit with an integrated volume control knob that allows for remote volume control of an Extron MPA Mini Power Amplifier. Available in black or white.

**MLM 52 VC**
Two-gang wall mounting kit with an integrated volume control knob that allows for remote volume control of an Extron MPA Mini Power Amplifier. Includes both black and white high-impact plastic mounting faceplates. Also available with black or white metal mounting faceplate.

Sheets of pre-printed button label inserts are included with every Medialink Controller.
### General (Cont.)

<table>
<thead>
<tr>
<th>Model</th>
<th>Version Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>MLC 52 IR</td>
<td>IR Control - Black &amp; White</td>
<td>60-744-02</td>
</tr>
<tr>
<td>MLC 52 RS</td>
<td>IR and RS-232 Control - Black &amp; White</td>
<td>60-744-12</td>
</tr>
<tr>
<td>MLC 52 IR VC</td>
<td>IR and Volume Control - Black &amp; White</td>
<td>60-745-02</td>
</tr>
<tr>
<td>MLC 52 VC RS</td>
<td>IR, RS-232, and Volume Control - Black &amp; White</td>
<td>60-746-12</td>
</tr>
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</table>

#### Optional Accessories
- **CPR Cable**: 9 DB Female-2.5 mm TRS Config Cable - RS Version Only
  - Part Number: 70-335-01
- **PL 1.2**: Two Serial Port IP Link Ethernet Control Interface
  - Part Number: 60-544-01
- **IR Link**: Wall Mountable IR Signal Repeater
  - Part Number: 60-404-02
- **IR Sensor**
  - Remote IR Receiver
  - Part Number: 70-223-01
- **MLM 52 VC**: Two-Gang Wall Mounting Kit with Volume Control - Black & White
  - Part Number: 70-527-02
- **MLM 52 VC**: Two-Gang Wall Mounting Kit with Volume Control - Black Metal
  - Part Number: 70-538-02
- **MLM 52 VC**: Two-Gang Wall Mounting Kit with Volume Control - White Metal
  - Part Number: 70-538-03
- **MLM 52 1GWP**: Metal One-Gang Wall Mounting Kit for the MLC 52 Series - Black
  - Part Number: 70-498-02

#### Included Accessories
- **12V, 1A power supply**: 100-240VAC, 50/60Hz, to 12VDC, 1A, wire
  - Part Number: 70-055-01
- **MLC 52 Series**: Button Labels
  - Text and Icon Labels
  - Part Number: 33-122-01
- **International Labels**
  - MediaLink International Faceplate Labels
  - Part Number: 33-1167-0X
- **IR Emitter and Shield Kit**
  - IR Emitter Kit
  - Part Number: 70-283-01
- **Plastic Mud Ring**
  - Black & White
  - Part Number: 70-519-X1

#### Control — Projector/Plasma (MLC 52 RS)

<table>
<thead>
<tr>
<th>Projector control port</th>
<th>(1) 3.5 mm direct insertion captive screw connector, 6 pole for IR and 1-way RS 232 control (port is shared between power input and IR and 1-way RS-232 projector control)</th>
</tr>
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<tbody>
<tr>
<td>IR control</td>
<td>TTL level (0 to 5 V) modulated infrared control from 30 kHz to 62 kHz up to 1 MHz</td>
</tr>
<tr>
<td>RS-232 control</td>
<td>(1-way) ±5 V</td>
</tr>
<tr>
<td>Baud rate and protocol</td>
<td>56300 to 1200 (9600 default) baud (configurable); 8 (default) or 7 data bits; 1 stop bit (±5 V); no parity (default), or even or odd parity (up to 1 MHz)</td>
</tr>
<tr>
<td>IR learning frequencies</td>
<td>30 kHz to 62 kHz</td>
</tr>
<tr>
<td>IR learning distance</td>
<td>4” (10 cm) to 14” (36 cm) from the front panel</td>
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#### Control — Projector/Plasma (MLC 52 IR)

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#### General

- **External power supply**: 100 VAC to 240 VAC, 50/60 Hz, external, autoswitchable; to 12 VDC, 1A, regulated
- **Power input requirements**: 12 VDC, 0.15 A
- **Rack mount**: No, but wall- and furniture-mountable
- **Enclosure type**: High-impact plastic or metal
- **Enclosure dimensions**
  - MLC 52 faceplate: 4.5” H x 2.75” W x 0.13” D (11.4 cm H x 7.0 cm W x 0.3 cm D) (1 gang)
  - MLC 52 VC faceplate: 4.5” H x 4.0” W x 0.1” D (11.4 cm H x 11.7 cm W x 0.3 cm D) (2 gang)
  - Device: 2.5” H x 1.6” W x 1.5” D (6.4 cm H x 4.1 cm W x 3.8 cm D (Depth excludes connectors and buttons.))
- **Product weight**: 0.2 lbs (1 kg)
- **Shipping weight**: 3 lbs (2 kg)
- **Vibration**: ISTA 1A in carton (International Safe Transit Association)
- **Listings**: UL, CUL
- **Compliances**: CE, FCC Class A, VCCI, AS/NZS, ICES
- **MTBF**: 30,000 hours
- **Warranty**: 3 years parts and labor

**NOTE:** All nominal levels are at ±10%