Extron

MLC 55 Series • Setup Guide
for MLC 55 RS EU, MLC 55 RS EU V, and MLC 55 RS MK

IMPORTANT: Go to www.extron.com for the complete user guide and installation instructions before connecting the product to the power source.

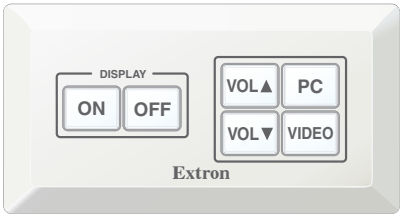
The MLC 55 RS EU, MLC 55 RS EU V, and MLC 55 RS MK are keypad controllers with dual-color, backlit buttons, for common AV functions such as power, input selection, and volume in single-display applications. An RS-232 unidirectional serial port and an IR port provide universal display control.

The EU models can be mounted in a standard EU junction box, while the RS MK model is designed to be mounted in an external wall box for UK, Singapore, Hong Kong, and other markets that use MK-type junction boxes.

For full installation, configuration, and operation details, see the *MLC 55 Series User Guide*, available at **www.extron.com**.



MLC 55 RS MK



MLC 55 RS EU



MLC 55 RS EU V

ATTENTION:

- Installation and service must be performed by authorized personnel only.
- L'installation et l'entretien doivent être effectués uniquement par un électricien qualifié.
- All electrical installation should be performed by qualified personnel in accordance with local and national building codes, fire and safety codes, and local and national electrical codes.
- Toute installation électrique devrait être effectuée par un personnel qualifié, conformément aux codes du bâtiment, aux codes incendie et sécurité, et aux codes électriques locaux et nationaux.
- Ensure that the electrical box is properly grounded.
- Assurez vous que le boîtier d'encastrement est correctement mis à la terre.

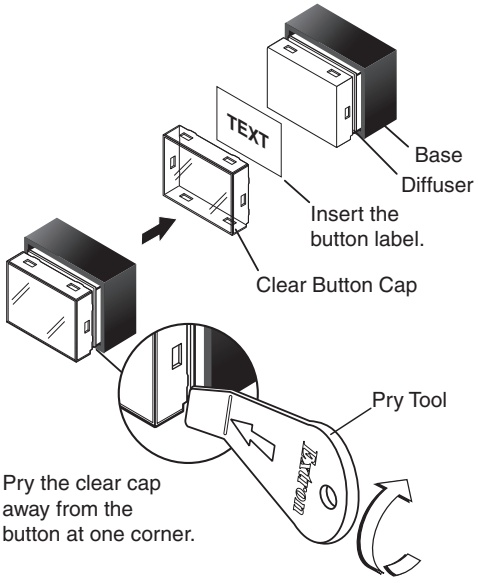
Installation Steps

NOTE: The MK model may not fit in some in-wall junction boxes.

1. **Prepare the installation site.** The MLC 55 RS MK (United Kingdom model) can be wall-mounted in a standard one-gang UK external junction box. The European models, MLC 55 RS EU and MLC 55 RS EU V, can be mounted in a standard two-gang EU junction box: the RS EU model is mounted horizontally, while the RS EU V model is mounted vertically.
   a. Install the appropriate junction box, following the instructions provided with it.
   b. Prepare and pull the cables through the junction box.
2. **If desired, remove and replace button labels**. To replace a button label:
   a. Remove the faceplate from the unit.

      The MLC faceplate is held in place on the unit by four magnets at its corners. Grasp the unit firmly with one hand and, with the other hand, pull the faceplate off the unit starting with a corner.

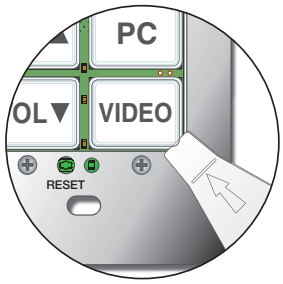
   b. Insert the small end of the provided pry tool into one of the four notches in the corners of the clear plastic button cap containing the label to be changed. Rotate the pry tool carefully to avoid damaging the button, until the cap pops off of the diffuser (see the illustrations at right).



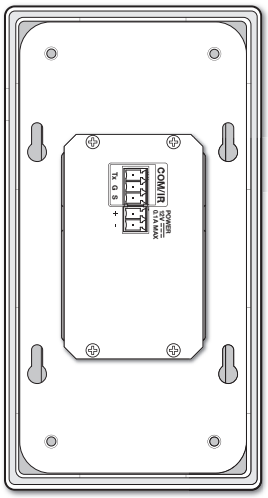
   c. Remove the current label from inside the button cap and replace it with the new one.

      Tip: To avoid damaging the button label when removing it, turn the button cap upside down and tap it on a hard surface until the label falls out. Alternatively, insert into the button cap a lightly adhesive tape or gum product that will temporarily adhere to the label, to pick up and pull the label out.

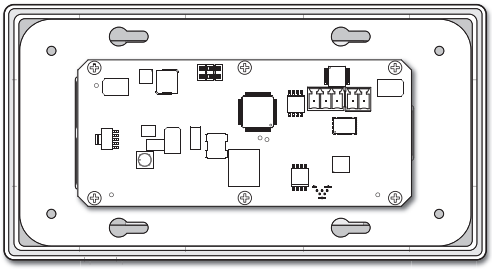
   d. Replace the button cap with the label onto the diffuser and press it until it snaps into place.



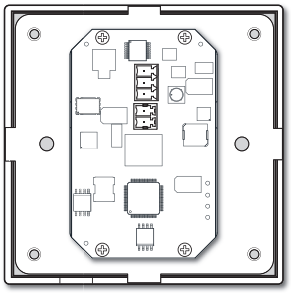
3. **Connect device cables to the rear panel RS-232 and IR control port.**



MLC 55 RS EU V

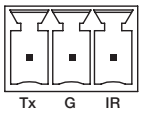


MLC 55 RS EU

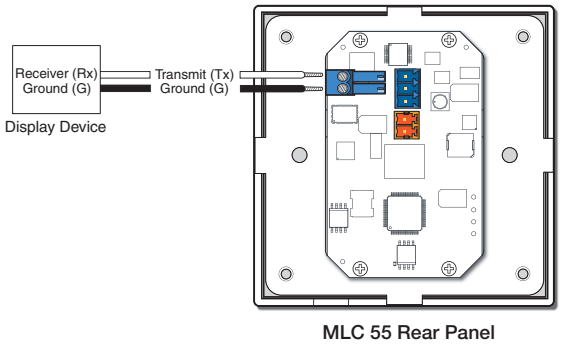


MLC 55 RS MK

Wire either of the following to the rear panel control connector:

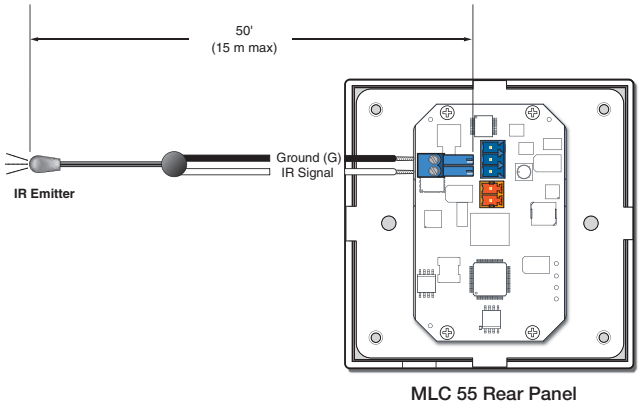


- **RS-232 unidirectional control:** Connect the RS-232 cable from a display device or switcher to the Tx and G pins of the control connector (see the diagram below).
- **IR control:** Connect a display device, switcher, or an IR emitter to the IR and G connectors of the control port.



MLC 55 Rear Panel

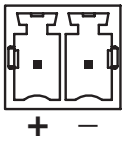
RS-232 Connection



MLC 55 Rear Panel

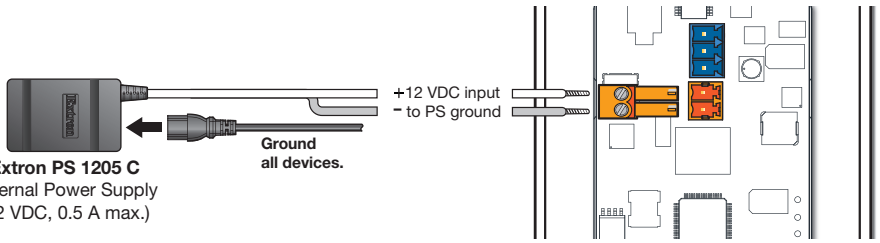
IR Emitter Connection

4. **Connect and apply power.** Connect the included power supply to the 2-pole captive screw connector on the rear panel of the MLC as shown below, then connect power to all devices in the system.



ATTENTION:

- Do not connect any external power supplies until you have read the Attention notifications in the power supply section of the user guide for that device.
- Ne branchez pas de sources d'alimentation externes avant d'avoir lu les mises en garde dans la section « power supply » du guide utilisateur pour cet appareil.

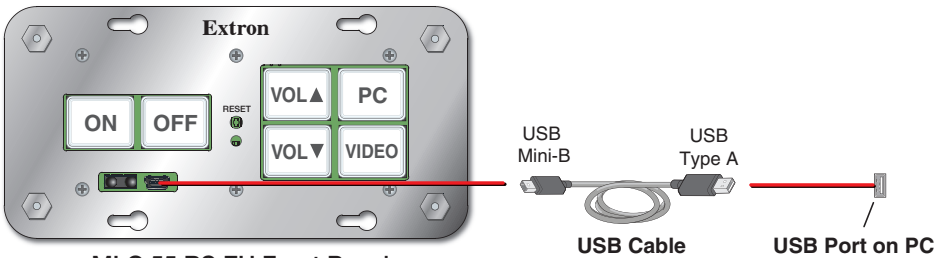


Extron PS 1205 C
External Power Supply
(12 VDC, 0.5 A max.)

MLC 55 Rear Panel

5. **Configure the MLC buttons and ports:**
   a. Download the MLC 55, 62, and 64 series configuration software from the Extron website and install it.
   b. Obtain device drivers for the devices to be connected to the MLC rear panel control port. Drivers can be downloaded from **www.extron.com.** You can also obtain them using the configuration software via an Internet connection.

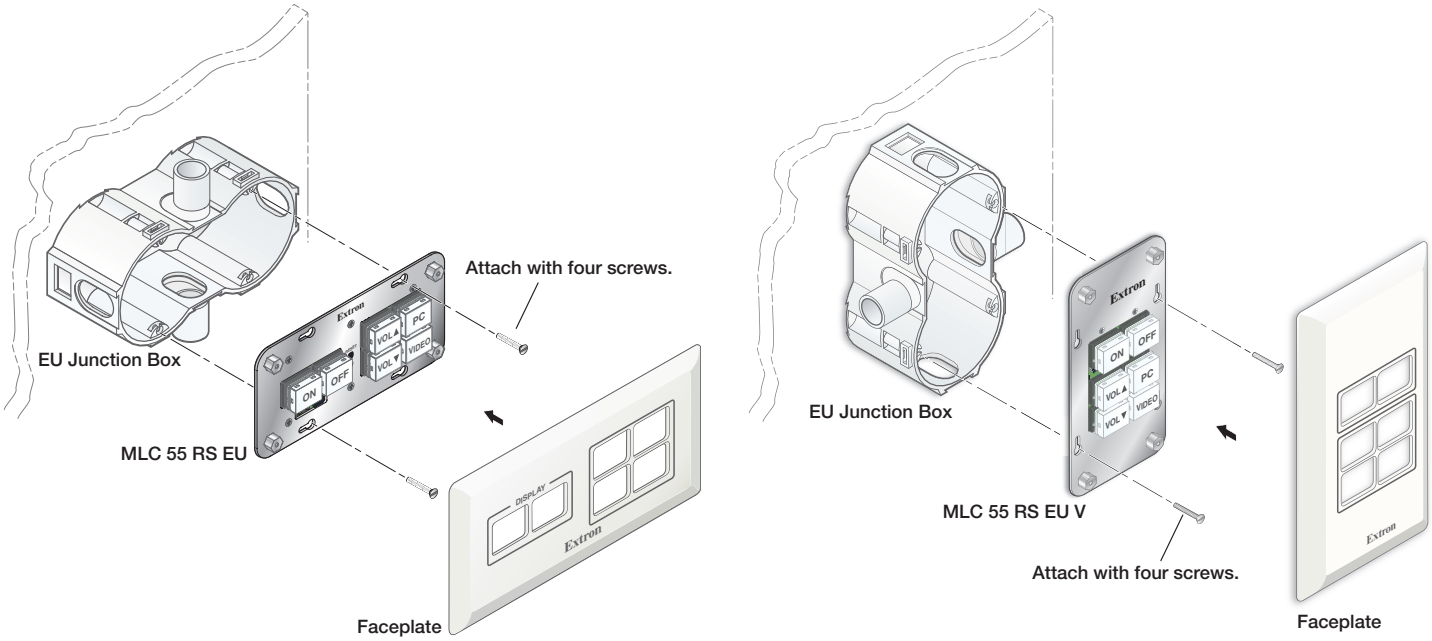
      If unable to obtain a driver for your display device, you can create one using IR Learner (see the *MLC 55, 62 and 64 Configuration Program Help File*).
   c. Assign commands to the MLC buttons and ports as desired (see the *MLC 55, 62 and 64 Series Configuration Program Help File* for the procedures).
   d. Remove the MLC faceplate and connect the MLC to the computer, using a USB A to USB mini-B cable between the MLC front panel USB port (shown below) and the USB port on your computer.



MLC 55 RS EU Front Panel
Without Faceplate

   e. Upload the configuration file to the MLC.
6. Test the system to ensure that the MLC is functioning properly.
7. Correct the wiring or configuration as needed.
8. Mount the MLC to a junction box (see "Mounting the MLC 55 RS EU and the MLC 55 RS MK," below).

Mounting the MLC 55 RS EU and the MLC 55 RS MK

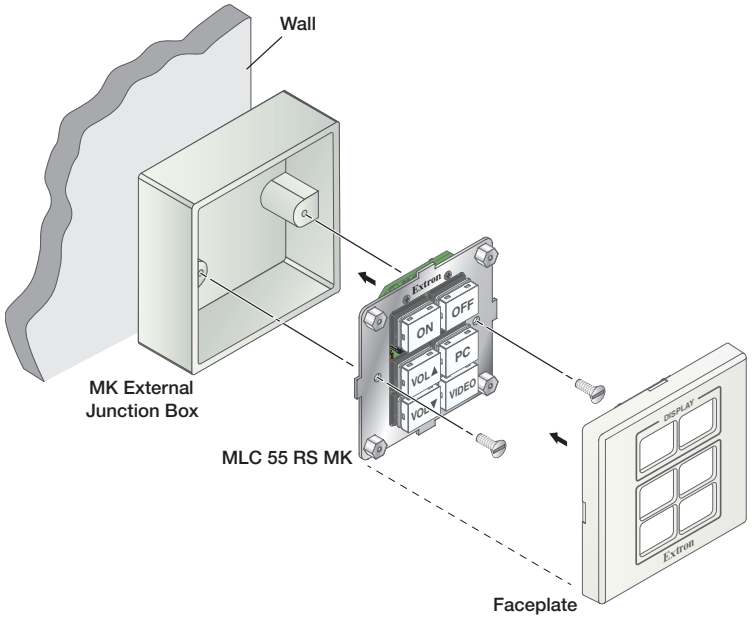


To mount the MLC 55 RS EU, RS EU V, or MK (see the **illustration** on the next page) to a junction box:

1. Remove the faceplate from the MLC as follows:
   a. Grasp the unit firmly with one hand.
   b. Starting at a corner, with the other hand pull the faceplate away from the metal mounting plate to which the unit is attached.
2. Disconnect power from all devices at the source.
3. Place the MLC onto the junction box frame.

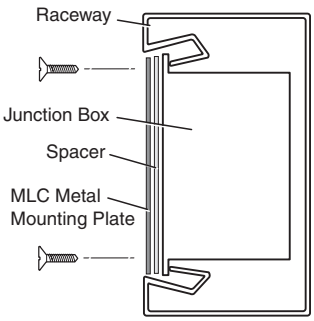
4. Secure the unit to the junction box using the provided screws in the holes at the top and bottom of the metal mounting plate.
5. Align the openings in the faceplate with the MLC buttons and place the faceplate onto the mounted unit until its magnets stick to the metal mounting plate. Adjust the faceplate position until the outer edges of the faceplate are flat against the mounting surface.

NOTE: The MK model may not fit in some in-wall junction boxes.

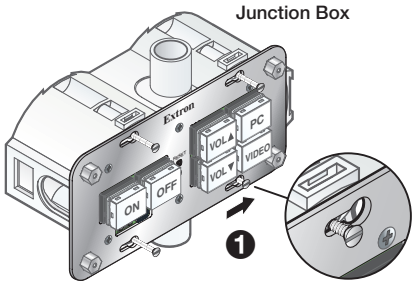


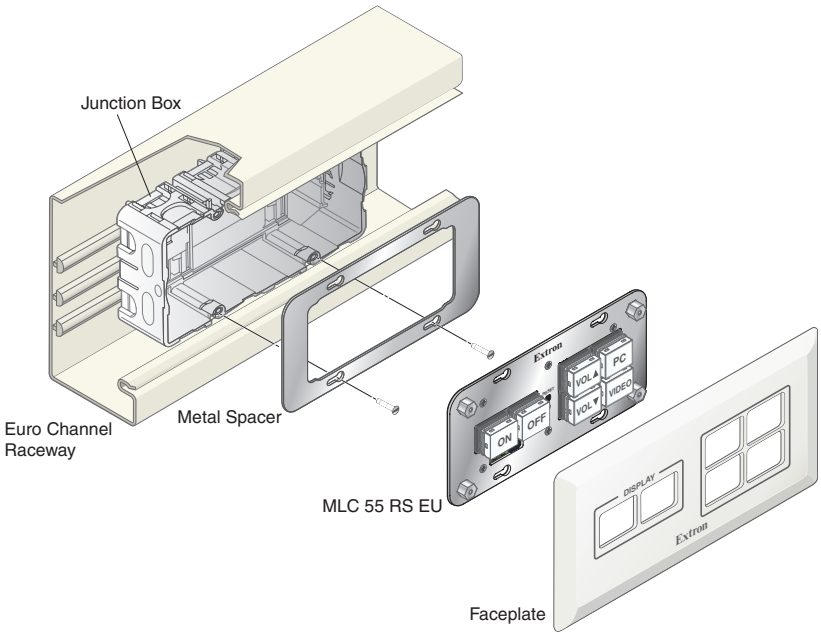
Mounting the MLC 55 RS EU and EU V in a Raceway Using the Spacer

When you mount an EU junction box in a cable raceway, the junction box is sometimes recessed slightly into the raceway. In order to mount an MLC 55 RS EU to the junction box, you must place a spacer (provided) between the rim of the junction box and the metal mounting plate of the MLC to fill in the gap between them and bring the metal plate flush with the edges of the raceway. To mount the MLC 55 RS EU and the MLC 55 RS EU V in the raceway with the spacer:



1. Mount a two-gang EU junction box in the raceway.
2. Place the spacer onto the junction box so that the four screws of the box pass through the slotted holes of the spacer.
3. Pull all cables through the junction box and spacer.
4. Disconnect power from all devices at the source and connect all cables to the MLC.
5. With the MLC front panel facing toward you, place the metal mounting plate of the MLC onto the spacer so that the screw heads pass through the slotted holes in the mounting plate.
6. Slide the unit to the right (RS EU model, see ❶ in the illustration at right) or downward (RS EU V model), until the screws touch the narrow ends of the slots. Tighten the screws to secure the plate to the spacer.
7. If desired, connect the USB cable from your computer to the front panel Config port and configure the system using the MLC 55, 62 and 64 Configuration Program or SIS commands.
8. Place the faceplate onto the MLC metal mounting plate, making sure that the four magnets are holding it securely.





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