

PC 101 Power Controller • Setup Guide

The Extron PC 101 Power Controller provides remote power management for AV devices. When paired with an Extron controller or control processor with relays, such as the MediaLink MLC 226 IP or the IP Link IPL 250, the PC 101 can be set up to power an AV device on or off at scheduled times. It has a contact closure control input for remote control of a device and a tally port that can be used for status feedback. Its power rating of 100-240 VAC, 50-60 Hz, provides worldwide compatibility. A front panel test switch enables manual power cycling for setup and test purposes. This guide provides instructions for an experienced installer to set up and connect a PC 101.

NOTE: For information on safety guidelines, regulatory compliances, EMI/EMF compatibility, accessibility, and related topics, see the *Extron Safety and Regulatory Compliance Guide* at www.extron.com.

ATTENTION:

- Use electrostatic discharge precautions (be electrically grounded) when making connections. Electrostatic discharge (ESD) can damage equipment, although you may not feel, see, or hear it.
- Prenez des précautions contre les décharges électrostatiques (soyez électriquement relié à la terre) lorsque vous effectuez des connexions. Les décharges électrostatiques (ESD) peuvent endommager l'équipement, même si vous ne pouvez pas le sentir, le voir ou l'entendre.

Rear Panel Features and Connections

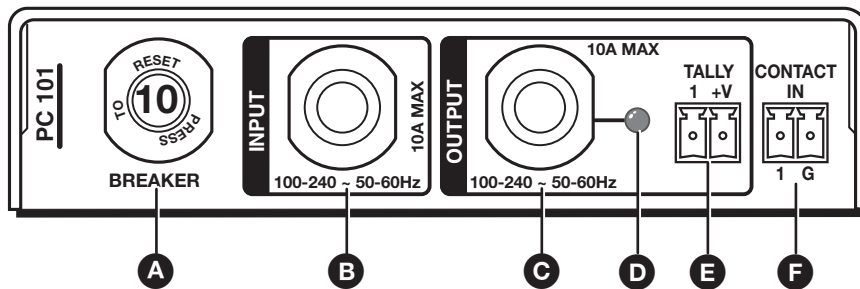
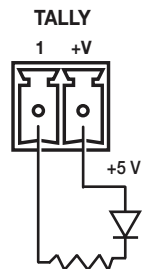


Figure 1. PC 101 Rear Panel

- A Breaker** — 10 A rated circuit breaker. When an over current condition occurs, the PC 101 stops outputting AC current and ceases to function. Press this button to manually reset the circuit breaker.
- B Input** — Power input with a 6-inch IEC cable attached. Connects AC power to the PC 101.
- C Output** — Power output with a 24-inch (60 cm) IEC cable attached. Connects power to an output device.
- D Output power LED** — This green LED lights when AC power is supplied to the Output connector. (The front panel contains an output power LED which performs the same function. Both LEDs reflect the same status for the Output port.)
 Make sure that the device being controlled can support an AC power cycle.

- E Tally port** — 2-pole captive screw port that toggles between high and low states. An LED indicator can be connected to this port to show when the connected device is receiving power from the PC 101.
 - When the AC output is off, the tally pin is in the high (floating) state.
 - When AC power is present on the output, tally pin 1 toggles to the low (grounded) state.



- F Contact In port** — 2-pole captive screw contact closure input connector.
 When pins 1 and G (ground) of this connector are shorted together, the AC input passes power to the output. If an LED is connected to the Tally port (E), the LED lights when power is passed.

ATTENTION:

- No greater than 10 A of current should pass through the unit.
- Pas plus de 10 A de courant ne devrait passer au travers de l'unité.

Installation Steps

1. (Optional) Mount the PC 101 to a rack shelf or furniture using mounting hardware such as an Extron under-desk mount kit.
2. Connect the male IEC connector on the 6-inch input cable (see [figure 1](#), **B**, on the previous page) to a 100-240 VAC power source, using a standard IEC power cord.
3. Connect the female IEC connector on the 24-inch output cable (**C**) to the device to be controlled. In many instances the output cable can be plugged directly into the device being controlled. Alternatively, you can use the provided IEC adapter.
4. Connect a push button or control processor to the Contact In port (**F**) to enable the PC 101 to turn the Output connector power on and off by contact closure. You can optionally monitor the status by connecting an LED from the +V (+5 volts) pin to pin 1 of the Tally port (**E**).

CAUTION:

- When using the NEMA 5-15R receptacle adapter, connect the equipment only to a nominal 120 VAC source of supply.
- Replacement of fuses should be by service personnel only.

ATTENTION:

- Lorsque vous utilisez la prise de courant NEMA 5-15R, veillez à ne connecter le dispositif qu'à une source d'alimentation nominale de 120 Vca.
- Le remplacement des fusibles doit être effectué uniquement par un technicien qualifié.

Front Panel Features

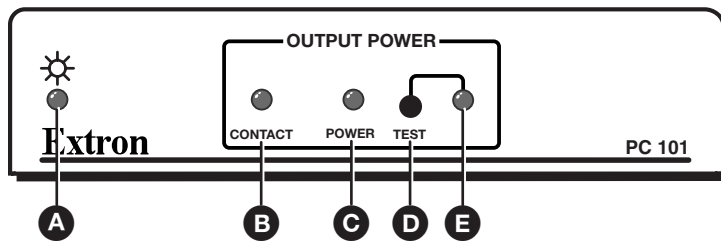


Figure 2. PC 101 Front Panel

- A Input Power LED** — Lights when the unit is powered on.
- B Contact LED** — Lights when the Contact input port is active.
- C Power LED** — Lights when AC power is being supplied to the rear panel Output connector (same function as the Cable Receptacle Power LED on the rear panel).
- D Test button** — This button tests the power connection to the output. Use a small screwdriver to press this recessed button to enable AC power to pass to the output. Power is **off** by default when AC power is first applied to the PC 101. Subsequent presses of the button toggle power to the output on and off.
- E Power test LED** — This LED is **off** by default when AC power is applied to the unit. Thereafter, the LED toggles on and off with each press of the **Test** button.

Application Diagram

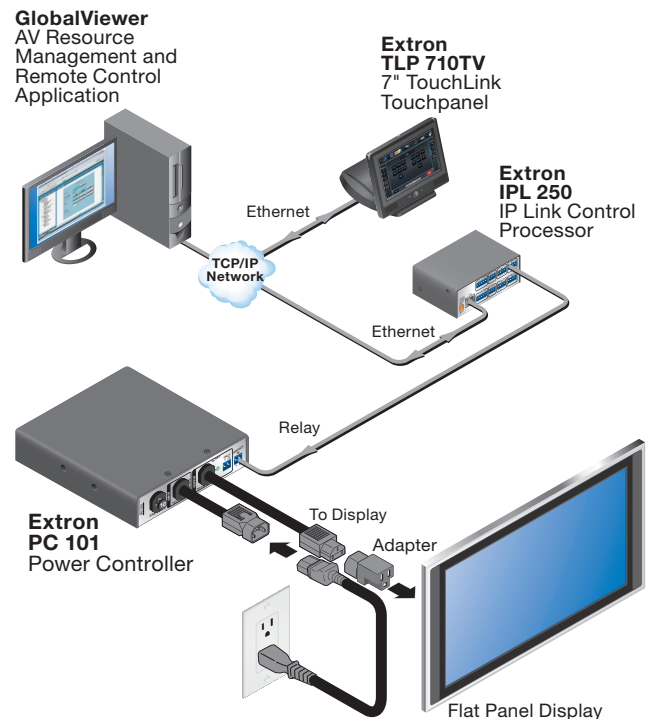


Figure 3. PC 101 Application Using an IPL 250

NOTE: Use the provided IEC adapter if the PC 101 output cable cannot plug directly into the device to be controlled.

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