

# USING YOUR MC-2401 MULTI-CHANNEL LIGHTNING CONTROLLER

Test your MC-2401 before making any connections: Plug the power cord into a properly grounded AC outlet. All four yellow lights should come on. Unplug the MC-2401. All four yellow lights should go off.

*(Your MC-2401 does not have an "on-off" switch; it is always on when it is plugged in. Remember to unplug it when you are not using it.)*

1. Turn the LEVEL knob all the way to the left (counter-clockwise). Turn the SPEED knob to about the middle of its range. Set the DECAY knob to its second click (about where the "D" is in "DECAY").
2. Connect your sound source and other audio equipment using the "patch panel" of jacks on the back of the MC-2401. These connections can be made in different ways, depending on the equipment you have. Some suggestions are shown on the back of this page.
3. Plug the MC-2401's power cord into the properly grounded AC outlet. The yellow lights will come on.
4. Connect the lamp circuits that will provide your "lightning" by plugging them into the AC outlets on the back of your MC-2401. The yellow lights will go off.

*(You can use a grounded outlet strip and extension cords. Be sure that the total wattage of all the lights you connect does not add up to more than 2400 watts or more than 1200 watts on any single channel. The MC-2401 does not work with fluorescent lights and is not recommended for strobe lights.)*

5. Turn on your audio equipment and start playing your "thunder" CD. Adjust the volume on your equipment so that the thunder sounds are as loud as you want them to be.
6. *Slowly* turn the LEVEL knob to the right (clockwise) until you see "lightning" flashes coming from the lamps you have connected. The yellow lights will flash along with the "lightning". Adjust the LEVEL until the loudest thunder makes the brightest flashes.

*(Turning the LEVEL higher will make the brightest flashes last longer, but turning it too high will not give you realistic "lightning".)*

7. The "lightning" will appear on one, two, three, or all four lamp circuits in random combinations for different lengths of time. The SPEED knob adjusts the *shortest* time any combination of lamps will be turned on. When it is turned all the way up (fully clockwise, "fast"), the shortest time will be about one second; when all the way down (fully counter-clockwise, "slow"), the shortest time will be about three seconds.
8. The DECAY knob controls how long the bright peaks are and how fast the "lightning" fades. When you increase DECAY, you may want to reduce the LEVEL slightly.

**Very important:** If you have to replace the fuse, use only a 20-amp "fast-blow" type. *Do not* use a "slow-blow" fuse or a fuse rated at more than 20 amps!

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