Mantis Universal Adapter
by Lights Alive

The MANTIS Universal Adapter, Model MA-001, provides additional versatility to the already feature laden MANTIS family of controllers and intelligent sensors. Some examples of what the universal adapter can do for you are as follows.

- Connect MANTIS intellingent sensors to 3rd party controllers

- Inject power between a MANTIS controller and a MANTIS sensor

- Remotely supply power to a MANTIS controller.

- Connect multiple controllers or multiple sensors

- Many specialized applications

THE CONNECTIONS

LADC MODULAR CONNECTOR
The Lights Alive Direct Connect Modular Connector is used on all MANTIS controllers and sensors. It provides DC power, trigger circuit and an LADC link light to confirm the sensor and controller are connected and communicating. Both jacks are identical.
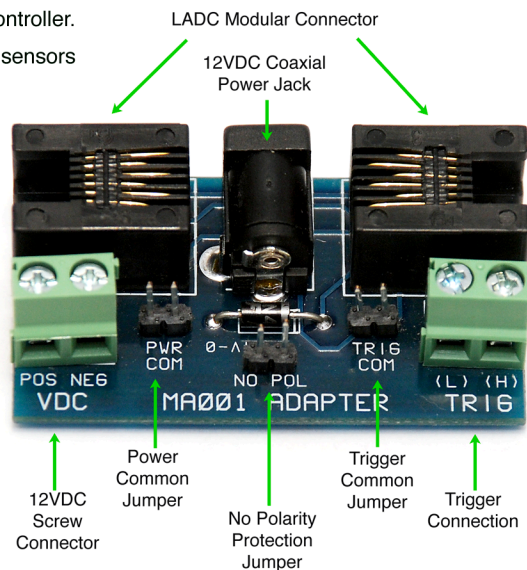
12VDC COAXIAL POWER JACK
Inject 12-14VDC into the system via this standard 5.5mm x2.1mm center positive coaxial jack. Always use a Lights Alive approved adapter.

12VDC SCREW CONNECTOR
Apply power from 3rd party controllers to this connector if desired. Be sure to observe polarity. Power can also be extracted from this connetion under certain circumstances (with jumper)

POWER COMMON JUMPER
If a shunt (jumper) is applied to the PWR COM header, power supplied via the 12VDC coaxial connector will be available fia the 12VDC screw terminals. Without the jumper, power may be applied at the screw terminals, but no power will be present when using the coaxial connector.

NO POLARITY PROTECTION JUMPER
The MANTIS adapter protects against potential damage from reversed polarity. In the rare case that you would power a 3rd party device via power supplied from a MANTIS controller over the LADC cable, a jumper (shunt) would be required on the NO POL headers.

TRIGGER COMMON JUMPER
Apply a jumper (shunt) here if your 3rd party sensor requires the low (-) sdie of your trigger to be grounded.

TRIGGER SCREW TERMINALS
When using a third-party sensors, they may be connected to these terminals. Also, when using a third-party controller with Mantis sensors, this connection provides the trigger circuit from the sensor.