CM-Cable

A CM-3 Connecting Cable for Non-Warner Amplifiers

The CM-3 connects to your amplifier through the headstage. This allows the simulator to accurately model the kinetics of a membrane bound ion channel while utilizing all components of the equipment normally used to make measurements. While the CM-3 is designed to connect directly to a Warner amplifier through the supplied three-wire cable, it can also be used with other manufacturer’s amplifiers provided this CM-Cable is used.

The standard white CM-3 connecting cable is comprised of 3 wires; the main white wire, a black wire, and a green wire. All three wires must be connected to the amplifier for the CM-3 to operate. To use the CM-3 on a non-Warner amplifier, all three wires must still be powered, and the CM-Cable is used to make the bridging connections.

Make the following connections:

- Connect the black wire on the CM-3 cable to the black jack on the CM-Cable
- Connect the green wire on the CM-3 cable to the green jack on the CM-Cable
- Connect the white wire on the CM-3 cable to the headstage input jack of your amplifier.
- Connect the CM-Cable BNC to the amplifier V.x10 output

Once all connections are made, the CM-3 cable can be plugged into the jack on the CM-3. This will activate the electronics within the CM-3 and it will begin to function.

Notes:

- Since plugging in the CM-3 turns the device on, we recommend disconnecting the cable when not in use to preserve battery life.
- Be sure to set your offset potential to zero to minimize any offset currents in the simulator.
- A holding potential must be applied to resolve channel currents.