Using Surge Protectors with MouseOx Plus®

Warning: A surge protector should be used with the MouseOx system, supporting computer, and any other equipment in your MouseOx system configuration.

The Starr Life Sciences MouseOx Plus® system is designed to monitor very small analog signals. To perform this monitoring, the MouseOx unit creates its own clean DC power by converting AC power delivered through the instrument grade 12-volt AC power supply provided with the system. This is the only acceptable power supply to use with your MouseOx. Using an alternate power supply voids the warranty.

The power input is limited to 500ma by a fuse inside the MouseOx that provides protection to the internal electronics. However, any power surge on the power supply or through the USB cable could still damage the system's electronics. The fuse will blow if any surge is detected. For the unit to continue to operate, the fuse must be replaced by returning the unit to Starr Life Sciences for repair.

Any other equipment attached to the MouseOx system should also be powered from the surge protector, whether or not the equipment is from Starr Life Sciences.

It is highly recommended that, at a minimum, a surge protector be used. For superior protection, you can use a 600VA UPS power supply.

The surge protection should be placed between the main power of the facility and the power supplies of the MouseOx system and the computer. Depending on the computer, the MouseOx system configuration, and how long you wish to run the system during a power failure, you may need to increase the size of the UPS power supply.

Surge protector power strip:

600VA UPS power supply: