



Power Connections for the Portable HeadMouse and other Devices

All devices that draw power from the wheelchair batteries must be connected to a common ground. This ground must also be the same ground used by the wheelchair power system. Since external power adapters draw power from the wheelchair batteries, they must be connected with their negative terminal connected to the ground of the wheelchair power system.

A typical 24-volt wheelchair battery configuration is shown in Figure 1. It consists of two twelve-volt batteries connected in series. When simultaneously connecting 12- and 24-volt power adapters, they must be connected such that the negative inputs of both adapters are connected to the same battery terminal and that this terminal is the wheelchair's ground. Figure 1 illustrates the correct input connections for both 12- and 24-volt external power adapters. This figure also shows the wheelchair power systems connected to 24-volts and sharing a common ground with the power adapters.

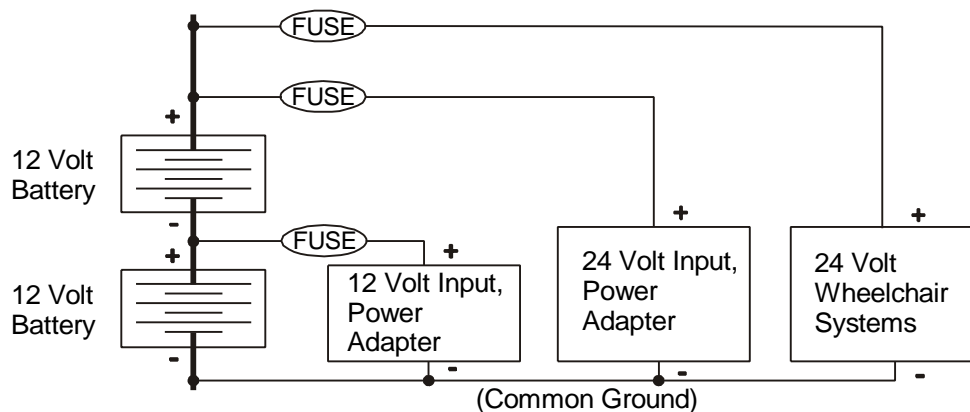


Figure 1, Proper connections for simultaneous use of 12- and 24-volt input power adapters. ***The negative inputs of both adapters must be connected to the same battery terminal, the common ground.*** The Portable HeadMouse is connected as a 24-volt device.

Unless ALL equipment shares a common ground, some equipment or the wheelchair may be damaged. In addition, personal injury may result from improper connections.

WARNING

Wheelchair batteries have considerable stored energy. If the battery is short-circuited and is not properly fused, it will generate significant heat and could damage the wheelchair or cause personal injury.

Connections to the wheelchair power system should be made by an experienced and properly trained technician.