

Appendix A: Static Discharge Dial Grounding Info

IMPORTANT – Connecting Spin Browser™ video explorer dial to Earth Ground.

Static buildup on visitors is common and can in certain circumstances be severe. If there are rugs or certain types of chair covering material in the exhibit area (if possible, please try to avoid), the problem *will* be severe. To help make the effects of such discharges less destructive, plug one end of the provided grounding plug/wire into a grounded power strip, and secure the other end to the aluminum plate (or dome/pyramid, depending on your choice of interface style) supporting the Spin Browser dial.⁸

Unexplained or intermittent halts of the computer, or disconnection of USB-based interfaces, may in certain circumstances be caused by large static discharges – not to mention permanent hardware damage to the AD4 quadrature to serial encoder, and/or USB ports, and/or main computer motherboard, that such discharges can cause.

It is critical that this ground wire be connected at install time and before connecting the dial to the AD4 quadrature>serial adapter or USB port. This cable's omission will void the warrantee, and may result in your exhibit being permanently damaged by visitor-generated sparks.

⁸ Should you wish to use another form of ground wire direct to a grounded pipe or whatever, please feel free. But be sure to use 16AWG minimum wire thickness (12 or 14AWG would be better), and please make the cable as short as possible (no more than 15 ft at maximum).