

MicroTrack II Cables and Phantom Power

Only use TRS cables and Turn Phantom Power off before making 1 / 4" connections

Phantom Power should be disengaged when connecting or disconnecting microphones to prevent possible damage to the microphone's internal electronics or the MicroTrack. The phantom power switch on the MicroTrack 24/96 is labeled Ph PWR; and on the MicroTrack II it's labeled +48V.

This is a general rule that applies to any device of any brand that provides Phantom Power on a TRS connector.

Furthermore, XLR to TRS (Tip-Ring-Sleeve) cables are required when using the MicroTrack with Phantom Powered microphones.

Using an XLR to TS (Tip-Sleeve) cable may damage the microphone's internal electronics or the MicroTrack!

Here is why:

Phantom Powered Microphones operate using 3 connections:

1. Ground (XLR Pin 1 or TRS-Sleeve)
2. Signal and phantom power (XLR Pin 2 or TRS-Tip)
3. Phase inverted signal and phantom power (XLR Pin 3 or TRS-Ring)

When using a cable with a Tip-Sleeve connector, the TRS jack on the MicroTrack will apply both, ground AND a power charge to the sleeve of the cable. Or in other words, there will be a short - this may damage the microphone or the MicroTrack.

The same applies when connecting- or disconnecting a TRS cable while phantom power is active on the MicroTrack - the Tip- and/or Ring of the TRS connector may touch the sleeve contact of the jack as they pass by it. This may create a short and can therefore potentially damage the Microphone or the MicroTrack.