

# PREVENTING DAMAGE TO KOMODO™ SDI OUTPUTS

## Issue Summary:

Under certain circumstances it is possible for an SDI connector to incur damage when connected to an accessory and powered without using shielded cables. **When possible, avoid using P-Tap (also known as D-Tap) cables to power accessories. These cables are not shielded and may damage your camera\*.**

## Workaround:

RED recommends only using high quality, shielded BNC cables that are rated for 12G-SDI signals and only using shielded power cables for connecting accessories via BNC cable.

Additionally, we recommend following a specific sequence for attaching accessories connected via SDI:

1. First, connect power to the SDI accessory.
2. Next, connect the BNC cable to the camera, then accessory.
3. Lastly, power the camera or accessory on/off.

When detaching an accessory mounted to an SDI output, it is recommended that you follow the following process:

1. First, shutdown the camera and the SDI accessory.
2. Next, disconnect the BNC cable from the camera, then accessory.
3. Lastly, disconnect the power cable from the SDI accessory.

Avoid using P-Tap cables to power accessories that attach to the camera. When connecting the P-Tap with uneven pressure, the power pin can potentially make contact before the ground pin, causing an unintended rush of current into the camera and not through the ground pin.

P-Taps are not shielded which exacerbate the issue and lead to the damage of your camera and/or SDI component. We suggest powering accessories with a 2-Pin LEMO/ ODU connection as these connections are shielded and ensure power and ground pins make contact equally and in the correct order.

**Simplified:** Connecting: Connect power first, then BNC.  
Disconnecting: Disconnect BNC first, then power.

\*Damage described above will not be covered under warranty.