



Q: What does the RTK-L3 do?

A: The **RTK-L3** extends USB 3.2-Gen1 signals up to 100m on a single category cable. The transmitter's USB-C laptop connection provides up to 91W charging and, when paired with an SCT HDMI TableKit extender, supports DP Alt Mode.

Q: What HDMI TableKit extenders are needed to complete an entire solution to the table?

A: The **RTK-L3** is a perfect companion for the RTK-PLUS, RTK-PRO, RTK-MINI, or RTK-X57 kits. Adding the **RTK-L3** alongside any of these will provide a single-cable laptop connection supporting USB 3.2-Gen1, DP Alt Mode video/audio, and 91W of Power Delivery (PD) charging.

Q: Is a companion HDMI extender always required?

A: No. If your system utilizes a DisplayLink video bar then DP Alt Mode is not required, so the **RTK-L3** is the only extender needed. You would not use the HDMI output jack on the **RTK-L3-TX** in this scenario.

Q: Are power supplies required at the RTK-L3 transmitter and receiver?

A: No, only the **RTK-L3-TX** transmitter requires the USB-C power supply. The **RTK-L3-RX** receiver is powered from the TX over the SCTLink cable

Q: How many USB tiers does the RTK-L3 use?

A: A linked **RTK-L3** kit will use up one tier (hub) in the USB hierarchy. Be aware that many computers will use up two tiers internally, and the camera bar or codec attached to the **RTK-L3-RX** will use another tier. Seven total tiers is the maximum allowed per the USB specification, so take care to design your systems appropriately. Software programs such as UsbTreeView (freeware by Uwe Sieber) can be a useful tool in verifying tier structure.

Q: What do the DIP switches do?

A: The four position DIP switch is reserved for future use.

Q: What do the LEDs indicate?

A: The LEDs on both the **RTK-L3-RX** and **RTK-L3-TX** provide a good way to tell if the system is wired correctly and operating normally. Refer to the chart below for details.

Module	LED LABEL	LED STATUS	INDICATES
RTK-L3-RX	Power	Solid Green	Good Power
	Status	Blinking Green	Good Link Firmware
	FW	Blinking Green*	Good MCU Firmware
	Link	Solid Green	Linked to RTK-L3-TX
	USB3	Solid Green	USB 3.x Host Connected
		Flashing Green/Amber	USB 1.1/2.0 Connected
		Solid Amber	Host Connected, Device not Enumerated
		Off	No USB Host Present
RTK-L3-TX (System section)	Power	Solid Green	Good Power
	Status	Blinking Green	Good Link Firmware
	FW	Blinking Green	Good MCU Firmware
	Link	Solid Green	Linked to RTK-L3-RX
	Link Power	Solid Green	Link power to RX is active
	USB3	Solid Green	USB 3.x Host Connected
		Flashing Green/Amber	USB 1.1/2.0 Connected
		Solid Amber	Host Connected, Device not Enumerated
		Off	No USB Host Present
RTK-L3-TX (Power Delivery section)	Ready	Solid Green	Power Delivery section is ready to supply power
	FW	Blinking Amber	Good PD MCU Firmware and Providing 60W or Less PD
		Blinking Green	Good PD MCU Firmware and Providing more than 60W PD
		Blinking Red	Good PD MCU Firmware and Not Providing PD
		Off	Power Delivery MCU not running

*FW blink pattern changes when performing firmware update or writing the log file. Refer to the “RTK-L3 Firmware/Log Guide” under the Support page at www.soundcontrol.net for details.

Q: What is the microSD slot for?

A: The microSD slot on the **RTK-L3-RX** allows for field upgradable firmware and diagnostics.

Q: I’m installing in a secure environment. Are there any options to be in compliance?

A: Some secure environments don’t allow memory card slots on devices. In the Tech Support Downloads section of www.soundcontrol.net there is a special version of Secure firmware that will completely and **permanently** disable the microSD slot. Note: This is not reversible.