



**Q: What does the AMA do?**

**A:** The **AMA** converts incoming DP Alt Mode audio into a true USB audio host, so that a supported USB device will enumerate as an audio output. It is intended to be paired with an SCT RemoteTableKit series switcher such as the RTK-AM1.

**Q: Doesn't the USB-C output of the RTK-AM1 supply Alt Mode audio natively?**

**A:** Yes, it does. So, for devices that have full function USB-C inputs that support Alt Mode video and audio, the **AMA** is not needed. Some examples include Poly G62 codecs and Poly X series video bars.

**Q: When is the AMA needed?**

**A:** Primarily when used in a Cisco environment. Cisco codecs including the Codec EQ, Room Bar, Room Bar Pro, and Board Pro do not support audio from Alt Mode signals on their USB-C connectors. As a result, these devices will not produce audio when HDMI inputs on the RTK-AM1 transmitter module have been selected. The AMA solves this issue when installed between the RTK-AM1-RX and the codec.

**Q: Is any programming required?**

**A:** No. Connecting the RS-232 cables as show in the application guide allows the SCT devices to communicate with each other and auto-configure based on the source selection of the RTK-AM1.

**Q: Why not incorporate the AMA functions directly into the RTK-AM1?**

**A:** A future hardware release of the RTK-AM1 will include the AMA functions, eliminating the need for the external AMA device. The AMA is a short-term interim solution for our customers.

**Q: What is the 3<sup>rd</sup> party RS-232 port for?**

**A:** This port is reserved for future use.

**Q: What do the DIP switches do?**

**A:** The DIP switches are reserved for future use.

**Q: What do the LEDs indicate?**

**A:** The LEDs provide a good way to tell if the system is wired correctly and operating normally. Refer to the chart below for details.

LED LABEL	Description	STATUS	INDICATES
Power	Power indicator	Solid Green	Good Power
DP Alt In	DisplayPort Alt Mode Input detection	Solid Green	Video + Audio detected on USB-C Input
		Solid Amber	Video only detected on USB-C Input
		Off	No Video or Audio detected on USB-C Input
Conv.	Audio conversion active	Solid Green	Speaker device is enumerated on AMA and audio conversion is active
		Off	Audio conversion is not active
Pass Thru	Internal AMA bypass	Solid Amber	AMA is processing the USB audio signal path
		Solid Green	USB-C input is passed to output unaltered (No USB conversion)
Status*	MCU and microSD	Blinking Green	Good MCU Firmware

\*Status blink pattern changes when performing firmware update or writing the log file.

Refer to the “AMA Firmware/Log Guide” under the Support page at [www.soundcontrol.net](http://www.soundcontrol.net) for details.