



Q: What does the RTK™ do?

A: The RTK™ provides a literal extension of the typical input connections available on a Cisco WebEx Room Kit codec.

There are 3 microphone ports that behave exactly the same as the codec ports when connected at both ends of the system. There is an HDMI+audio content port, and there is a USB port with host capabilities at each end.

The RTK™ also provides an auxiliary audio path in each direction for bringing a non-HDMI audio device into the system from the table-end, and providing a discrete audio path back to the table from the codec location, which could be used for “listening assistance” or recording.

Q: What is the difference between the RTK-PLUS™ and the RTK-PRO™?

A: Both solutions include the same RTK-TX™ transmitter and RTK-RX™ receiver. The difference is the including cabling. The RTK-PLUS™ includes cables to connect a Cisco Codec Plus/Room Kit Plus which have 3.5mm TRRS connectors for the microphones. The RTK-PRO™ includes cables to connect Cisco SX80/Codec Pro/Room 70/Room Kit Pro which have Euro-Block connectors for the microphones.

USB (USB 2.0, 90Mbps, sustained)

Q: There are USB-A and Micro-B ports on each box; does this mean there is a local USB hub at each end?

A: These do work like a hub, but the USB host connection must be made at the other end of the SCT-Link™ from the USB peripherals. The USB-A and Micro-B within each box cannot interact. e.g. If a USB memory stick was connected to the USB-A port of the RTK-TX™ (Transmitter or Table End) the computer would have to be connected to the USB Micro-B port of the RTK-RX™ (Receiver or Codec End).

Q: Is there any user-configuration required for the USB connection?

A: No, the USB pathways are determined by the host (Micro-B) connection. The host end is determined automatically.

Q: Can there be more than one host connected to the RTK™ system?

A: No, only one host can be connected at a time. During installation choose which USB direction makes the most sense for your application. A host PC can be connected to either the RTK-TX™ (Transmitter or Table End) or the RTK-RX™ (Receiver or Codec End).

HDMI

Q: What resolutions does the video section support?

A: The video section supports up to 4K25/30 4:4:4 and is optimized for 1080p50/60. HDMI embedded audio and HDCP up to v2.2 (if present) are also supported.

PoE/Ethernet port (10/100)

Q: What kind of PoE is provided?

A: RTK-TX™ (Transmitter or Table End) delivers Passive PoE of 48VDC, 7W and is considered Class-2, Mode B per IEEE 802.3af.

It is intended to provide sufficient power to operate the Cisco Touch Controller.

POWER

Q: Why is there a power jack on each box? Do I need 2 power-supplies?

A: Only one power-supply should be used. However, the system design allows the installer to choose which end to power from, either the RTK-TX™ (Table End) or RTK-RX™ (Codec End).

MICROPHONES

Q: Are the microphones mixed together?

A: The microphone paths are not mixed and are dependent on connection to the host codec for operation. If there is no microphone connection from the RTK-RX™ (Receiver or Codec End) to a Cisco codec, the corresponding microphone channel at the RTK-TX™ (Transmitter or Table End) is inactive.

Q: There are 3 microphone inputs at the RTK-TX™ (Transmitter or Table End), but my codec has only 2 inputs available. Can I use all 3 channels?

A: The microphone channels at the RTK-TX™ (Transmitter or Table End) depend on a physical connection between the RTK-RX™ (Receiver or Codec End) and the codec before they will become active.

So, if the codec has only 2 microphone inputs available, and those are connected to the RTK-RX™ (Receiver or Codec End), then only the corresponding 2 microphone channels at the RTK-TX™ (Transmitter or Table End) will be active.

OPERATION

Q: What do the LEDs indicate?

A: The LEDs on both the RTK-TX™ and RTK-RX™ 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	ACTIVE STATUS	INACTIVE STATUS
RTK-TX/RX	FW	Blinking Green	Off
RTK-TX/RX	HDCP	Solid or Blinking Green	Off
RTK-TX/RX	LINK	Solid Green	Off
RTK-TX/RX	Power	Solid Green	Off