



Q: What does the RTK-X57™ do?

A: The RTK-X57™ provides a literal extension of the typical input connections available on a Poly Studio, Studio X50, or Studio X70 video bar.

There is a microphone port that behaves exactly the same as when the microphone is plugged into the video bar directly. There is also 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 video bar location, which could be used for “listening assistance” or recording.

Q: What is the difference between the RTK-X57™ and the RTK-X57-PSU™?

A: Both solutions include the same RTK-X57-TX™ transmitter and RTK-X57-RX™ receiver. The difference is the including cabling. The RTK-X57™ includes cables to connect a Poly Studio X50 or X70 video bar. The RTK-X57-PSU™ includes cables to connect a Poly Studio video bar.

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-X57-TX™ (Transmitter or Table End) the computer would have to be connected to the USB Micro-B port of the RTK-X57-RX™ (Receiver or Video Bar 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-X57™ 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-X57-TX™ (Transmitter or Table End) or the RTK-X57-RX™ (Receiver or Video Bar End). In a typical installation with a Poly video bar, plug the video bar into the RTK-X57-RX™ USB-A connector and plug the guest laptop into the RTK-X57-TX™ USB-Micro connector.

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-X57-TX™](#) (Transmitter or Table End) delivers “passive” PoE of 48VDC and at least 200mA and is considered Class-2, Mode B per IEEE 802.3.

It is intended to provide sufficient power to operate the Poly TC8 Touch Screen 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-X57-TX™](#) (Table End) or [RTK-X57-RX™](#) (Receiver End).

MICROPHONES

Q: What microphones are supported?

A: The [RTK-X57™](#) is designed to be used with the Poly Studio Expansion Microphone. All three mic elements within this microphone are supported, as is full mute logic.

OPERATION

Q: What do the LEDs indicate?

A: The LEDs on both the [RTK-X57-TX™](#) and [RTK-X57-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-X57-TX/RX | FW | Blinking Green | Off |
| RTK-X57-TX/RX | HDCP | Solid or Blinking Green | Off |
| RTK-X57-TX/RX | LINK | Solid Green | Off |
| RTK-X57-TX/RX | Power | Solid Green | Off |