Sound Control Technologies

USB3-1x2™ USB Smart Switch
Frequently Asked Questions

Tech Support: 203-854-5701

Q: What does the USB3-1x2™ do?

A: This module provides smart switching between a USB camera and two USB host computers. This allows a single integrated camera/speaker/mic system to automatically switch over from a resident room PC to a guest laptop for soft codec applications. Switching can be automatic, or manually controlled by a button or third-party control system.

Q: What do the LEDs indicate?

A: The Power LED should be solid green and indicates that the device is powered and operating normally. The Host 1/Host 2 LEDs correlate to the USB Host 1/Host 2 ports and indicate the following:

Solid Green	Connected & Active
Solid Orange	Connected & Inactive
Off	Not Connected

Q: Do I need an external power supply for the USB3-1x2™?

A: The USB3-1x2™ is powered from the host PC in most instances and does not require an external power supply. The exception is when you're using the +12VDC output jack to power a camera. In this case an external WPS-12™ power supply is required.

Q: How does the USB Auto-Switching work?

A: Host 1 is designed to be connected to a dedicated room computer. When a guest computer is connected to Host 2, the USB3-1x2™ automatically switches the connected camera system to the guest computer. When the guest computer is disconnected, the camera system automatically switches back to the Host 1 room computer.

Q: How many USB tiers does the USB3-1x2™ use?

A: The USB3-1x2 acts as a transparent USB switch, and does not add any tiers to the USB signal chain.

Q: How does the USB Host Switch 2-pin connector work?

A: This is an input designed to be used with a third-party control system. The input is active low and includes an internal pull-up. It has two modes of operation depending on the state of DIP switch 2. With DIP switch 2 OFF, the input acts the same as the front USB Host Toggle button. That is, a momentary short of the pins will toggle to the other USB host if both hosts are connected. With DIP switch 2 ON, this becomes a binary-style input. In the "open" state USB Host 1 is active, while in the "closed" state USB Host 2 is active. Only one host is active at any given time.

Q: What do the DIP switches do?

A: The following chart shows the functions of the 4 position DIP switch:

Switch	Function	OFF	ON
1	+12VDC Output	Disabled	Enabled[1]
2	2-Pin External Control	Toggle mode Enabled (Momentary input)	Binary mode Enabled[2]
3	Reserved for future use		
4	Reserved for future use		

[1] WPS-12™ power supply is required in this mode.
[2] Auto-switching and USB Host Toggle front button is disabled in this mode.