Quick Start

Getting to Know the PS105

The graphic below points out key attributes of the PS105.

Connect Source Devices Here

Display Output

LED Status Indicators

Front View

Power and LED Indicator

Back View

Serial COMM Port

Ethernet LAN Port

Cloud Control

Proximity Sensor Connector

Reset Button

USB Maintenance Port
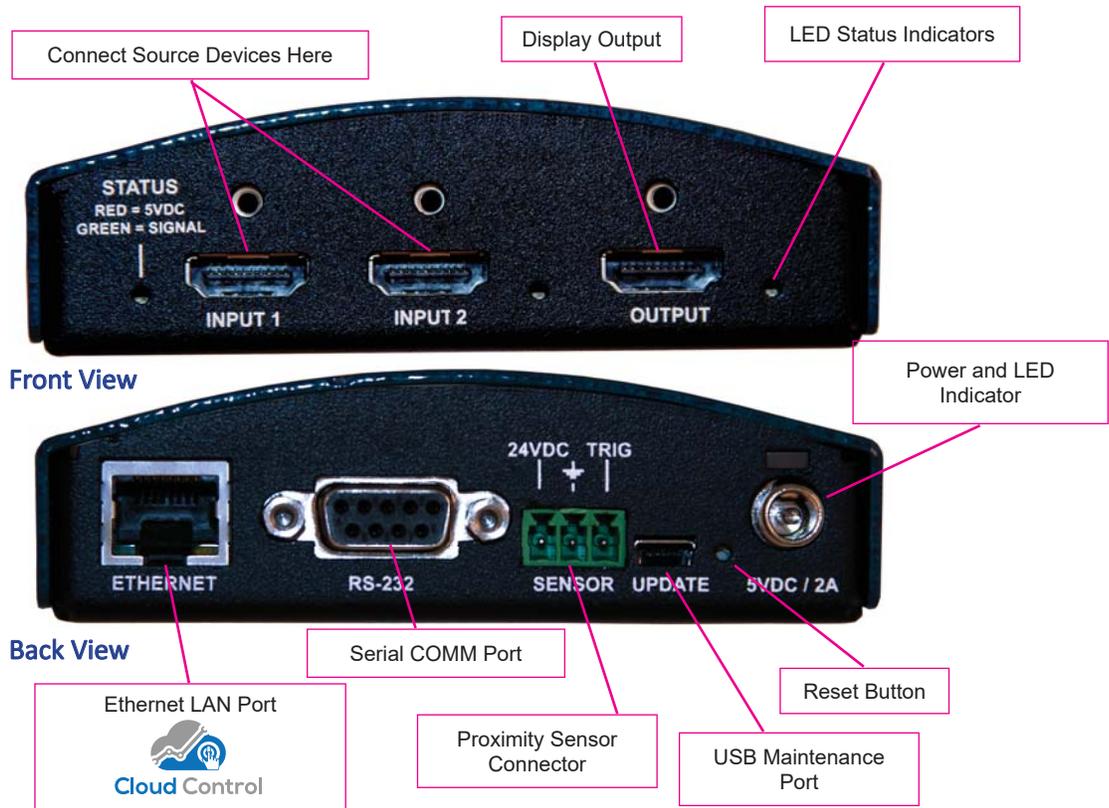
Connections

Inputs and Outputs. Using the graphic above, connect the source devices to the ports labeled "Connect Source Devices Here", and the display at location, "Display Output".

Power. Connect the DC power supply to the location "5VDC / 2A". The Power Indicator LED will illuminate above of the power location to indicate that power is being received. A blinking green light means that the internal processor is working properly. A quick blinking red and green indicates the system is in firmware upload mode (see PS105 Users Guide for more details).

Ethernet LAN Connection. (optional) A key feature of the PS105 is the myriad of methods a customer can control this product. Often, 3rd party control systems use the TCP/IP port to control this device. But, the PS105 is also an IoT (Internet of Things) device. Using PS's proprietary Cloud Control system, the PS105 can be controlled from within or outside their LAN. This feature allows administrators to diagnose problems from afar, to reset the system, or

change the device's behavior, if needed. Contact PS for more information on Cloud Control.

RS-232 Communication Interface. (optional) The PS105 uses a serial interface (RS-232) to change attributes and behavior of the PS105. Parameters are as follows: 115200 baud, 8 bit, no parity, and 1 stop bit. The baud rate is fixed and unchangeable. Pins 2 (Rx), 3 (Tx), and 5 (GND) are used. *See the PS105 Programming Guide for available commands*.

Proximity Sensor Connection. (optional) A proximity sensor is a passive infrared device that indicates if a human body is in the room. If the sensor dial is set to 5, the PS105 will automatically shut down if the system is operational and people have left the room for 5 minutes or longer. The PS105 will automatically restart when someone re-inserts his/her laptop.

Auto-Sense, Auto-Switching

Auto-sense, automatic switching (ASW) is a very powerful feature of the PS105 but should be explained to gain the best understanding of how it can be utilized. ASW is enabled by default but can be disabled using the RS-232 interface.

The PS105 is very sensitive. When one connects a device to one of the 2 HDMI input ports, the PS105 responds immediately by routing the video from that device to the display. If the color space is different than the display, the color space is automatically converted internally to ensure the highest quality image is displayed at the highest resolution practicable.

If another person connects her computer or iPad to an HDMI input port that person's device will appear. The last to connect will always appear on the display.

Should a device that is actively displayed be disconnected, the PS105 will return to the previous input, if that input is available. Therefore, consider having the home room computer on input 1 and any ancillary or guest connections on input 2.

Automatic Display On/Off

Automatic display on/off (CEC) is another very powerful feature of the PS105 and should also be explained to gain the best understanding of how it can be utilized. CEC is enabled by default but can be disabled using the RS-232 interface.

CEC must be enabled on the display itself for this feature to work with the PS105.

Trade names for CEC are Anynet+ (Samsung), Aquos Link (Sharp), BRAVIA Link and BRAVIA Sync (Sony), HDMI-CEC (Hitachi), E-link (AOC), Kuro Link (Pioneer), INlink (Insignia), CE-Link and Regza Link (Toshiba), RIHD (Remote Interactive over HDMI) (Onkyo), RuncoLink (Runco International), SimpLink (LG), T-Link (ITT), HDAVI Control, EZ-Sync, VIERA Link (Panasonic), EasyLink (Philips), and NetCommand for HDMI (Mitsubishi).

If one connects to the PS105 the PS105 will turn the display on. When the last person disconnects, the PS105 will wait 30 seconds of inactivity then turn off the display.