

Easy Steps for Configuring the Pointmaker® PVI®-X90

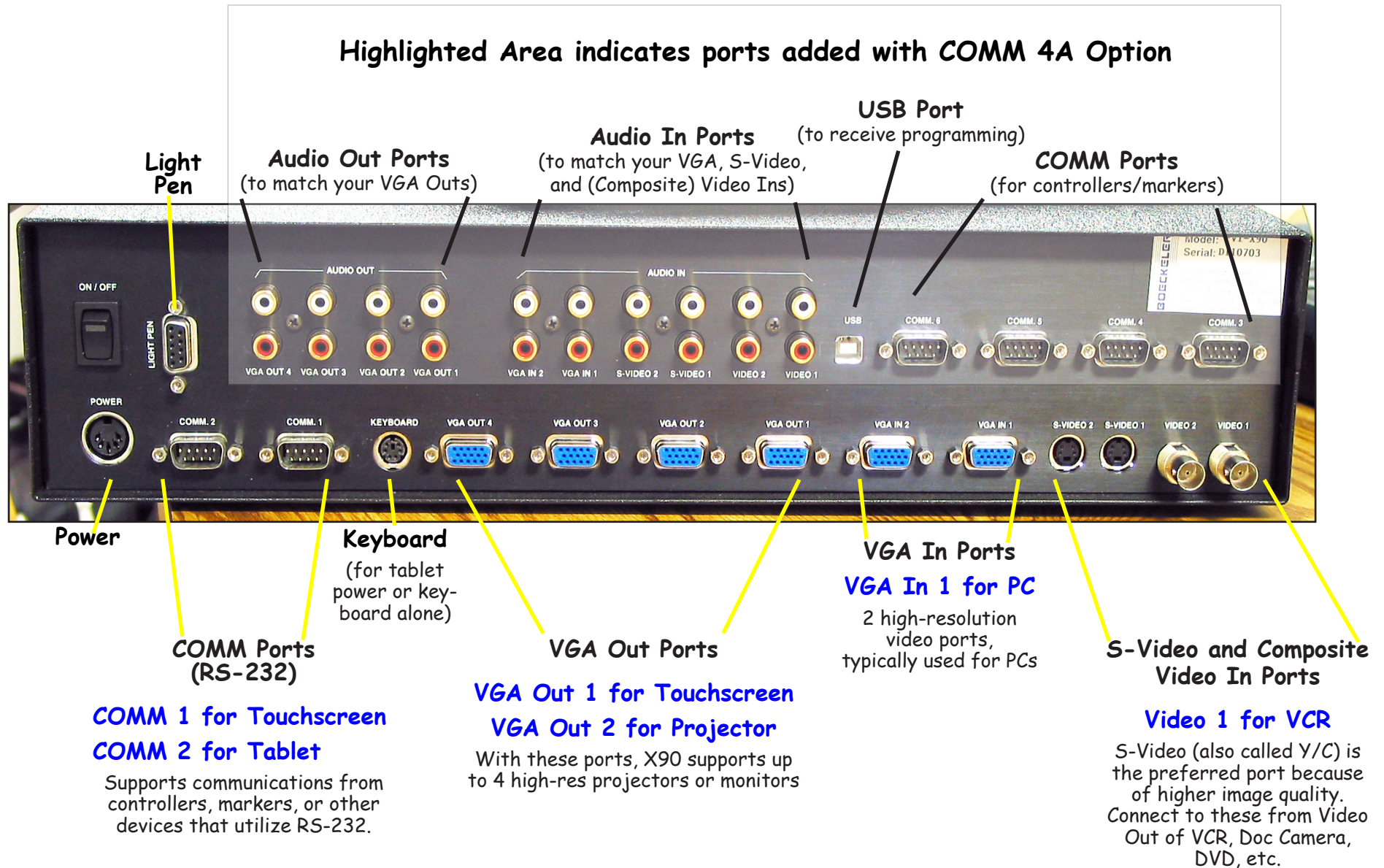
These pages describe how to hook-up the X90 to a touchscreen, PC, keyboard, digitizing tablet, and monitor or projector.

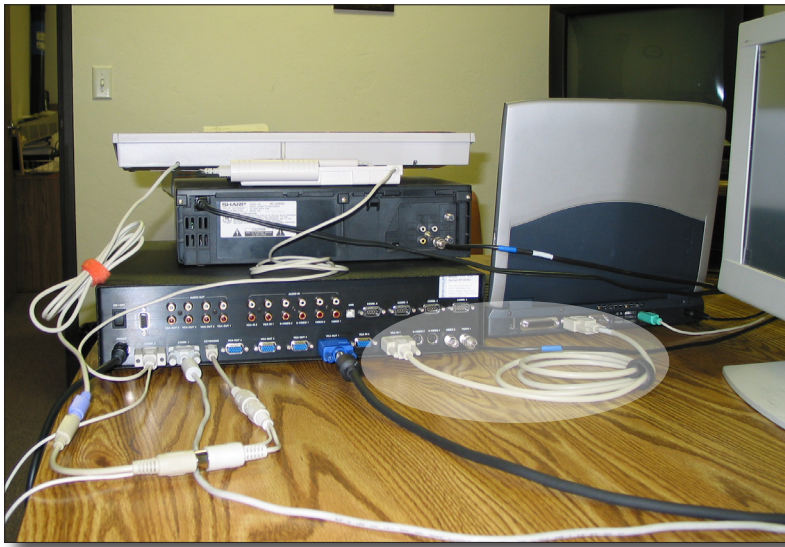
Two Key Rules to Success:

- 1) Make all connections before applying power to anything.
- 2) Power up the X90 last.

Before we start making connections,
it will help to get to know the X90's ports a little...

Descriptions in blue will be covered in this configuration.



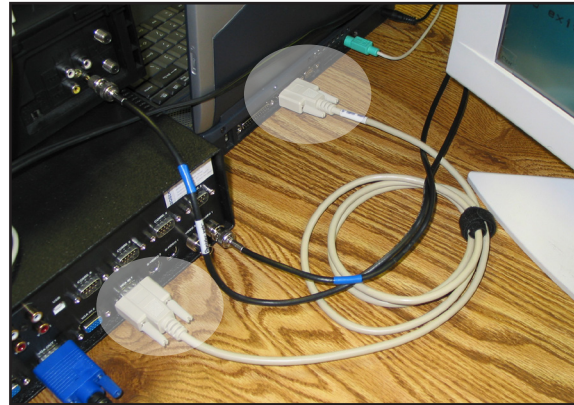


So here it is... all hooked up except for connections to a projector.

The configuration is actually very simple when taken a step at a time.

Let's start with the PC:

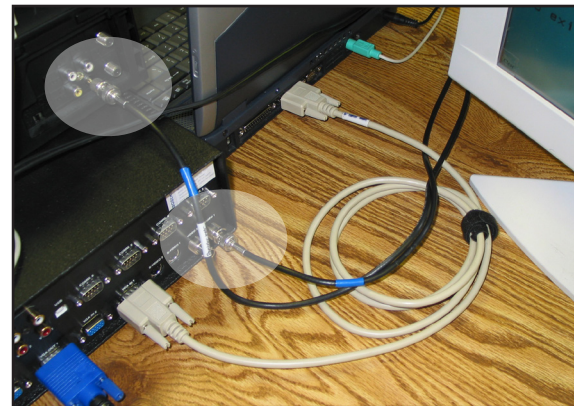
- 1) Using a male-to-male HD-15 VGA video cable, connect the VGA out port on the PC to the VGA IN 1



VCR/DVD, etc. next:

- 2) Connect* the Video Out from your VCR to either S-VIDEO 1 or VIDEO 1 on the X90.

* S-Video is preferred because of its better picture quality. If you don't have S-Video (as in this example), use the composite video connections (labeled VIDEO 1 and 2).



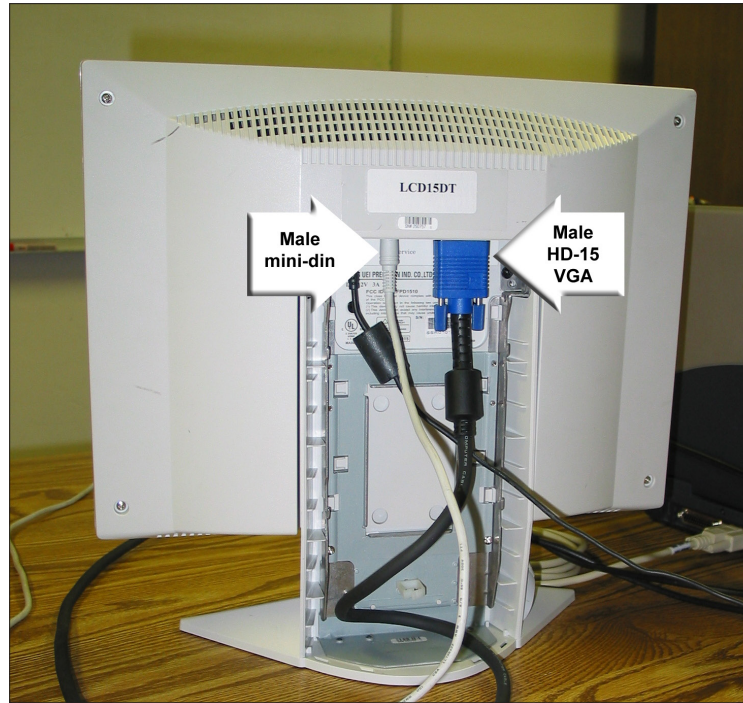
In this example, which is common, the VCR has no S-Video, only an RCA connector for Video Out. The X90 has a BNC connector for VIDEO 1.

The solution is to use a BNC cable with a 'BNC to RCA adapter' at the VCR end to complete the connection.

If your VCR has an S-Video connector, an S-Video cable will easily connect the two units without additional adapters.

Touchscreen:

- 3) Using a male-to-male HD-15 VGA video cable, connect the VGA OUT 1 port on the X90 to the port labeled HD-15 on the Touchscreen.
- 4) Using the beige RS-232 cable, plug the round male mini-din connector into the Mft. Service port on the Touchscreen. Plug the other end, a female DB-9 connector, into the X90 port labeled COMM 1.



Note: Touchscreens are made of two technologies: 1) an LCD or CRT monitor to display your images, and 2) an overlay on the front of the monitor that can sense your touch. The VGA cable handles the video images and the RS-232 cable communicates touches to the X90.

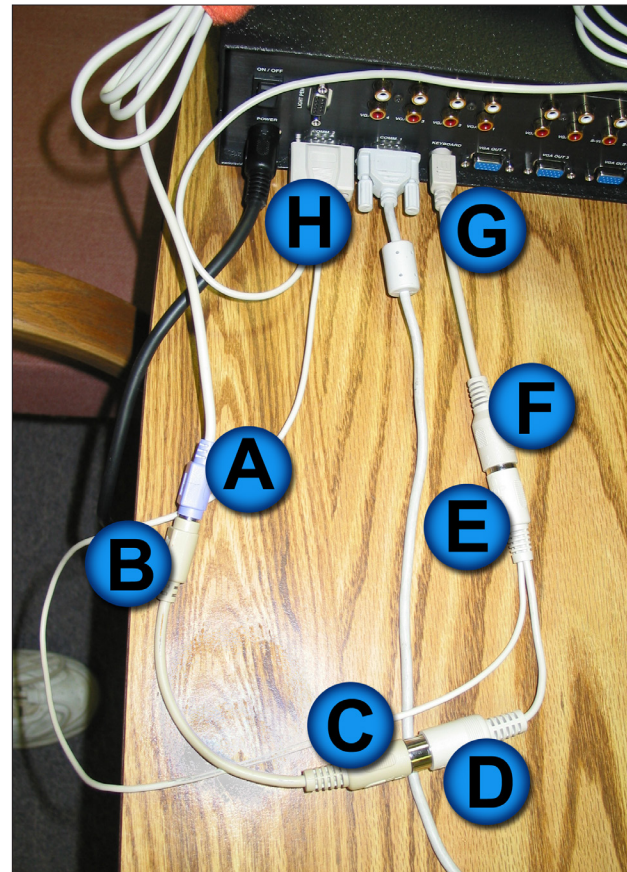
Keyboard & Tablet:

- 5) Connect the male PS2 keyboard connector (A) to the female end (B) of the "PS2 to 5-pin din adapter" cable.

Then plug the other end of the adapter, a male 5-pin din (C) into the female 5-pin din connector from the digitizing tablet (D).

The male 5-pin din connector on the tablet cable (E) is connected to the female end of the "5-pin din to PS2 adapter" cable (F). The other end, a male PS2 connector (G) is then plugged into the keyboard port on the X90.

Finally, plug the DB-9 connector on the tablet cable (H) into the COMM 2 port on the X90.



Projector or monitor:

- 6) Since the X90 supports up to 4 high resolution outputs, you can connect a projector to any of the remaining three VGA OUT ports using a male-male HD-15 VGA cable. The image at right shows the most common port for this configuration, VGA OUT 2.



You're almost done except for the:

Two Key Rules to Success:

- 1) **Make all connections before applying power to anything.**
- 2) **Power up the X90 last.**

All the connections are made except for power, so...

- 1) **connect a power cable to each unit that requires one**
- 2) **turn each unit on, saving the PVI-X90 until last.**