USING A SONY KV-20XBR/KV-25XBR

KV-1311CR Monitor with an Atari ST

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Soon after I purchased my Sony KV-20XBR (a 20 inch TV/RGB monitor) year ago, I immediately а looking for information on hooking it up to my 520ST. After many hours of searching through BBS's, magazines, newsletters and sending letters to Sony, I finally found a solution which works. The article that follows was based on an article (SONY2.DOC) which appeared on the CompuServe Information Service.

WARNING: You making are interface at your own risk. I have made the interface myself and it's currently working fine on my computer; however, I cannot vouch for mry problems due to changes in the . mputer and/or monitor, or omissions I might make in this article.

Items 3, 4, and 5 on the next page are not necessary, but they greatly simplify the construction of the interface. The joystick extension cord connectors are cut off, and the remaining 9 conductor wire is used to pass the video/audio signals. If you want to hook up the Sony KV-1311CR, need these joystick you'll connectors to complete the interface. The phono jack board is connected to the composite video, audio in and audio out pins of the ST to simplify connection to a VCR or stereo. The project box is used to mount the phone jack board, resistors, diodes and jumper wires.

The Sony connectors can be obtained from:

> Sony Factory Service 10360 Drummond Road Philadelphia, PA 19154 (215) 637-0850

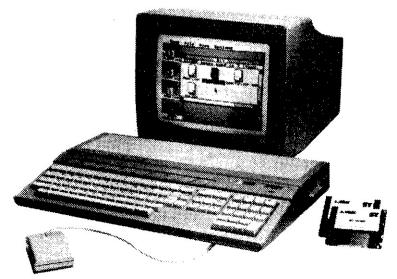
Special Notes on the Sony KV-1311CR

If you're making a cable for a Sony KV-1311CR, then you'll have to make a few small modification to the above circuit. Since neither the ST, nor the KV-1311CR has +5 volts DC present on it's video connector (pin 1 isn't connected on this monitor), you'll have to get it from somewhere else. The easiest source for this voltage is from the ST joystick port #2 - pin 7 (+5v) and pin 8 (ground).

First substitute the connection from monitor pin 1 to monitor mode select. The next 33/RGB-Normal step is to wire the male and female joystick connectors together, the junction being inside the project box. Connect each pair of the same wires together. Attach a colored jumper wire (within the project box) from the joystick ground wire to the ST video ground wire. Now connect another jumper wire from the joystick volt wire to the wire which connects to monitor pins 29,33 and 34. Now plug the female connector into joystick port #2 and plug your joystick into the male connector.

you've connected everything correctly, you should now get a clear, sharp picture on your Sony monitor. Enjoy.

Parts & wiring on page 6



Parts List:

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Description	Source	P/N	9,50	Cost
1) 470 ohm resistor, 1/4 watt or higher, 5%	Radio Shack Radio Shack	271-1317	2	. 39
2) general purpose diode, 1N4001 or equiv.	Radio Shack			
3) economy project box	Radio Shack	274-1978	1	7 99
4) 10 foot joystick extension cord	Radio Shack			
5) 4 position phono jack board		156094600	ī	10.79
6) connector, male, DIN 13 for ST(inc. tax+ship)		156179000		25.20
7) connector, PX34 for Monitor (inc. tax+ship)	Suny	1361/7000	-	
Total cost			• • •	44.04

Description of Wiring from ST to KV-20XBR/KV-25XBR				
Atari signal/pin>Project box	>Monit	or signal/	pin 	
Audio out/1>Phono jack #1 & #2>Audio(R)+(L)in/20+24				
Composite out/2>Phono jack #3 (only works if your ST has an RF modulator)	<+5 vc >Audic			
The same of the sa	; ;>Blank			
Green out/6>Green in/26				
Red out/7>Red in/25				
Ground/8+13>Ground for Phono jacks #1-#4>Ground/3-13,15,16				
Horizontal sync./9>CR1>R1 (CR1 is the diode listed above) (the non-banded side of CR1 goes to the computer); (R1 is the resistor listed above, no polarity) >Composite sync./30				
Vertical sync./12>CR2>R2 (CR2 is the diode listed above) (the non-banded side of CR2 goes to the comput (R2 is the resistor listed above, no polarity)	er)			
Blue out/10>Blue in/27				
WARNING: +5 volts DC/monitor pin 1 does NOT ge pin 2 or audio in/ST pin 5.	et connected t	o composit	e ou	ıt/ST