



## Sony Remote to Serial Adapter User's Guide

Thank you for purchasing our controller product. The following information will help you successfully connect this controller board and get it running in your application.



### What you will need

- 1) A wired Sony LANC remote (cable must terminate in a 2.5mm 3- conductor plug) (not included)
- 2) ALE726 Sony Remote to Serial Adapter (with USB cable for power)
- 3) Straight through Serial cable (9-pin male on one end, 9-pin female on the other) (not included)
- 4) ALE716 Serial to LANC Adapter (with USB cable for power)
- 5) LANC cable for connection to camera

### Connecting to power

The adapter comes standard with a USB “mini” size jack for connection to any compatible power source. We supply a standard cable for connection to a PC USB port, but you can substitute any other compatible cable and power the board from a DC adapter if you choose to do so. This power source runs all circuitry on the board.

Note that this USB connection DOES NOT provide a data connection to the adapter – it is used only to supply +5VDC power to the adapter board.

### Connecting the controller to a LANC Remote

The controller board comes with a LANC cable connector that is terminated in a standard 3-conductor, 2.5mm plug that is compatible with Sony’s LANC wired remotes. Simply plug the end of the remote cable into the jack on the adapter.

### Connecting the adapter to the ALE716 Serial to LANC Adapter

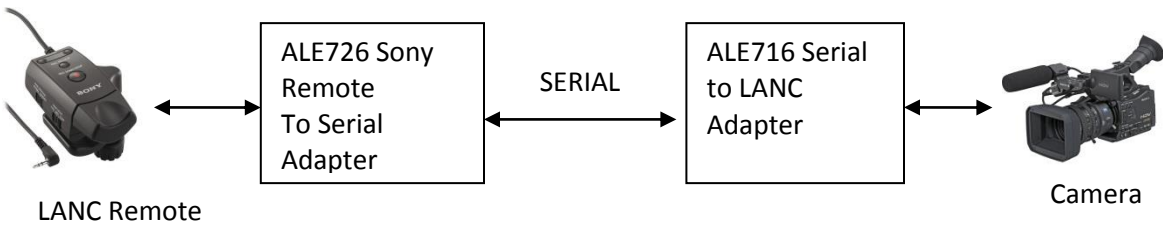
The adapter has a built in 9-pin Dsub connector for connection to a serial (RS-232) port. The pinout of this connector on the adapter conforms to standard PC serial port connections. Use a “straight through” cable (not a “null modem” cable that crosses signal lines) to connect to the ALE716 adapter. The cable will require a socket (female) 9-pin connector for the ALE726 side and a pin (male) connector on the ALE716 side.

Be sure to connect the USB power cable to your ALE716 adapter as well.

### Using the adapter

Once all the connections are made and power is applied to both adapters, The ALE726 will begin a short negotiation process with the ALE716. This process insures that the ALE716 is set to the proper operating mode before LANC commands can be sent. While this negotiating process is occurring, the green LED on the ALE726 will flash on a half second interval. DO NOT press any buttons on the remote during this negotiation.

Once the adapters are properly configured, the green LED on the ALE726 will go to steady GREEN. At this point, you can simply operate the Sony remote as normal. When camera commands are received from the remote, each LANC command is captured, converted to serial, and sent over the serial link by the ALE726. On the receiving side, the ALE716 adapter receives the LANC commands and converts them back to LANC format for communication to the camera.



The GREEN LED on the ALE726 will be steady on when power is applied and will flicker each time a LANC command is received from the wired remote connected to it.

#### Using other communication mediums

By using optional communication adapters, you can convert the serial (RS-232) communication between the ALE726 and the ALE716 to other forms of serial communication. This is useful in situations when long distances are required between the remote and the camera being controlled.

- RS-232 to RS-422
- RS-232 to RS-485
- Serial to Fiber Optic modems
- Serial to Ethernet converters

## Troubleshooting

The LED on the ALE726 adapter is not GREEN or FLASHING GREEN

- Is the adapter plugged into a USB power source?

After connecting the ALE726 to the ALE716 and applying power to both adapters, I see a flashing GREEN LED on the ALE726 and a steady BLUE LED on the ALE716, but nothing works

- Are you using a standard (straight through) serial cable? Cables that cross the XMT/RECV lines will not work.
- Is the ALE716 adapter properly connected to the camera?
- Is the ALE726 adapter properly connected to the wired LANC remote?

After connecting the ALE726 to the ALE716 and applying power to both adapters, I see a steady GREEN LED on the ALE726 and a steady BLUE LED on the ALE716, but nothing works

- Is the ALE716 adapter properly connected to the camera?
- Is the ALE726 adapter properly connected to the wired LANC remote?