



## APPLICATION NOTE

## AIF-1 (AND -1A)

### USE OF THE AIF-1 AND AIF-1A SONY ANALOG INTERFACE

The Sony analog interface (AIF-1) works with almost all of the Sony vtrs which require analog control voltages. These are all of the 1", all of the Betas, including the digital Betas, the BVT-series timebase correctors, BVU-950's, the 9850 high-eight decks, and several others.

There are a couple of notes regarding use of these interfaces.

- 1) When using the interface with BVH-series 1" decks, turn dipswitch #6 on. This replaces the Y/C delay control on pin 13 with the Color frame control voltage. This pin has these two different functions and depends on the machine type.
- 2) Several of the older-vintage Sony products have 100-ohm (or greater) resistors in series with the power pins on the tbc remote connector. I used to suggest replacing these resistors with a low value (like 4.7 ohms), but this proved to be inconvenient in a number of cases.

We now have an externally-powered version of this interface, the AIF-1A. It is identical to the AIF-1, except that the logic power comes from an external wall transformer. This interface draws virtually no power from the tbc, and so the resistors are not a problem.

The machines needing this are (so far as I know):

BVT-2000  
BVT-800/810  
BVH-2000/2500 (some serial numbers)  
BVU-950 (internal TBC)

There may be some others, but these are the ones I'm aware of.