

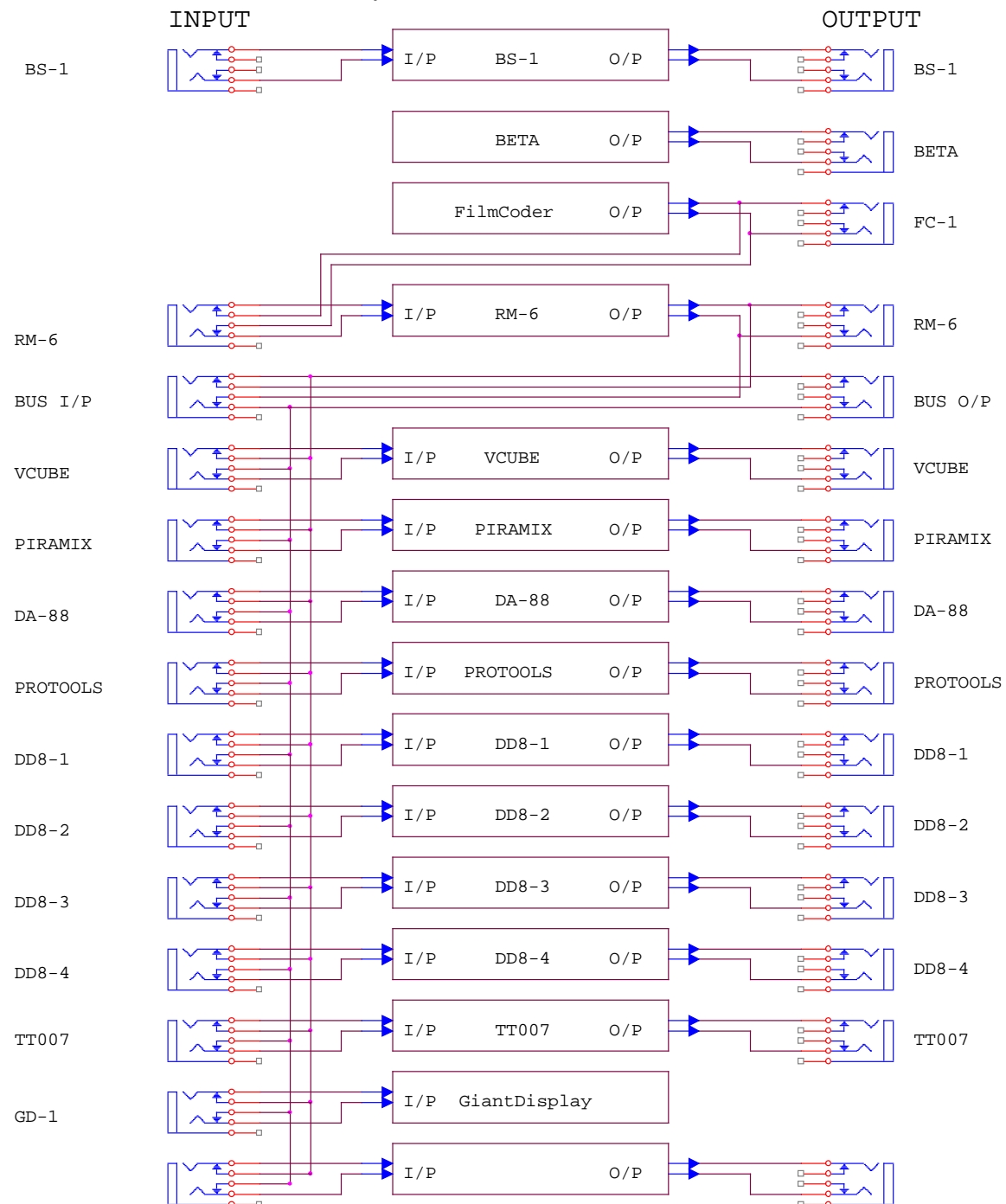


TimeCode Patch

The Timecode patch is not always required but on larger systems it allows different parts of the system to be used independently, for instance a transfer between a player and recorder in the machine room at the same time as the studio is being used. (Note, this will also require patching or switching of the audio and or video)

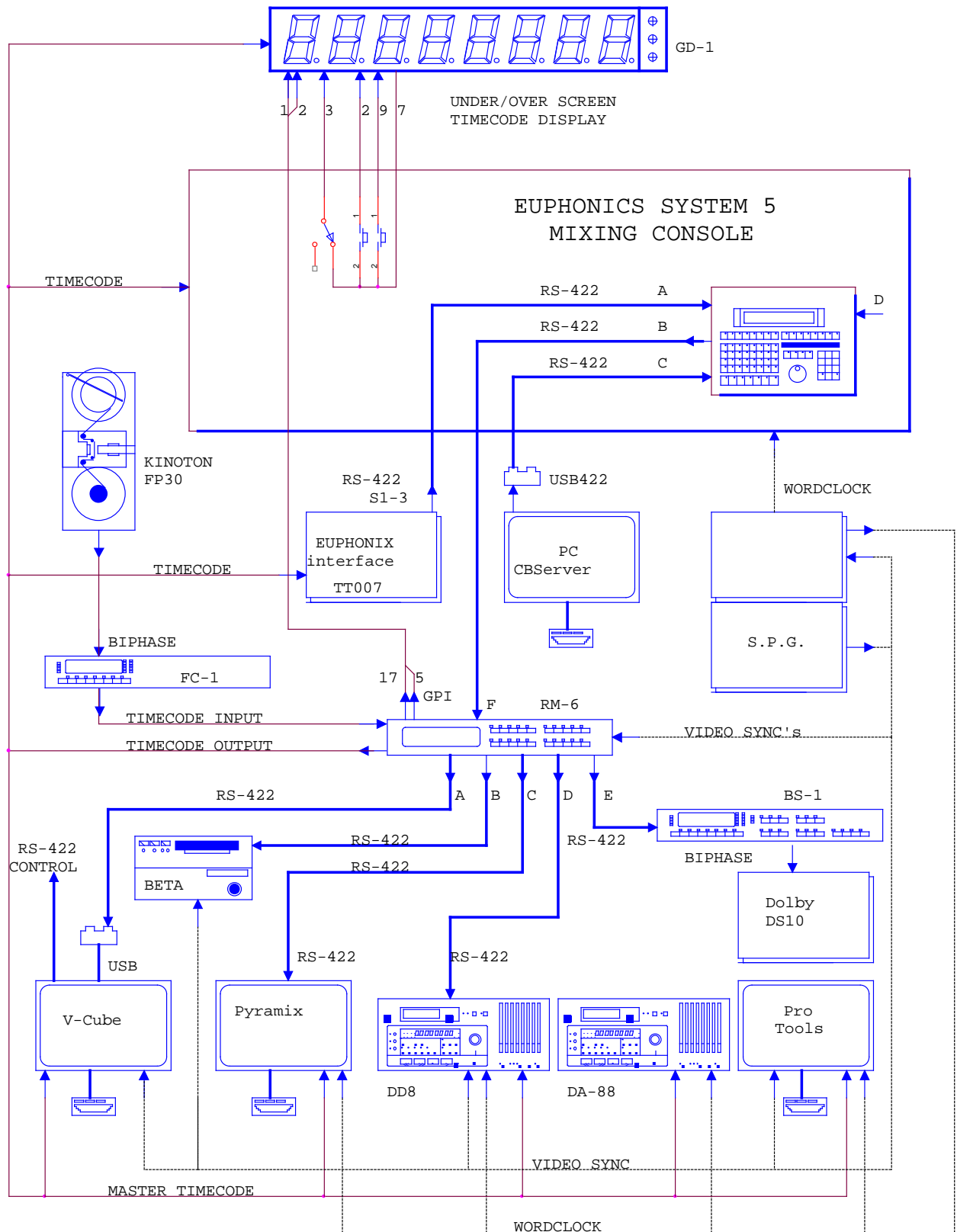
The first example is of a un-buffered timecode patch as used in Anand Film Studios Mumbai, a block diagram on the studio synchronisation is included. The FC-1 FilmCoder is used to convert the biphase from the film projector, an old Kinoton FP35 that can only be used as a master.

Anand Film Studios timecode patch



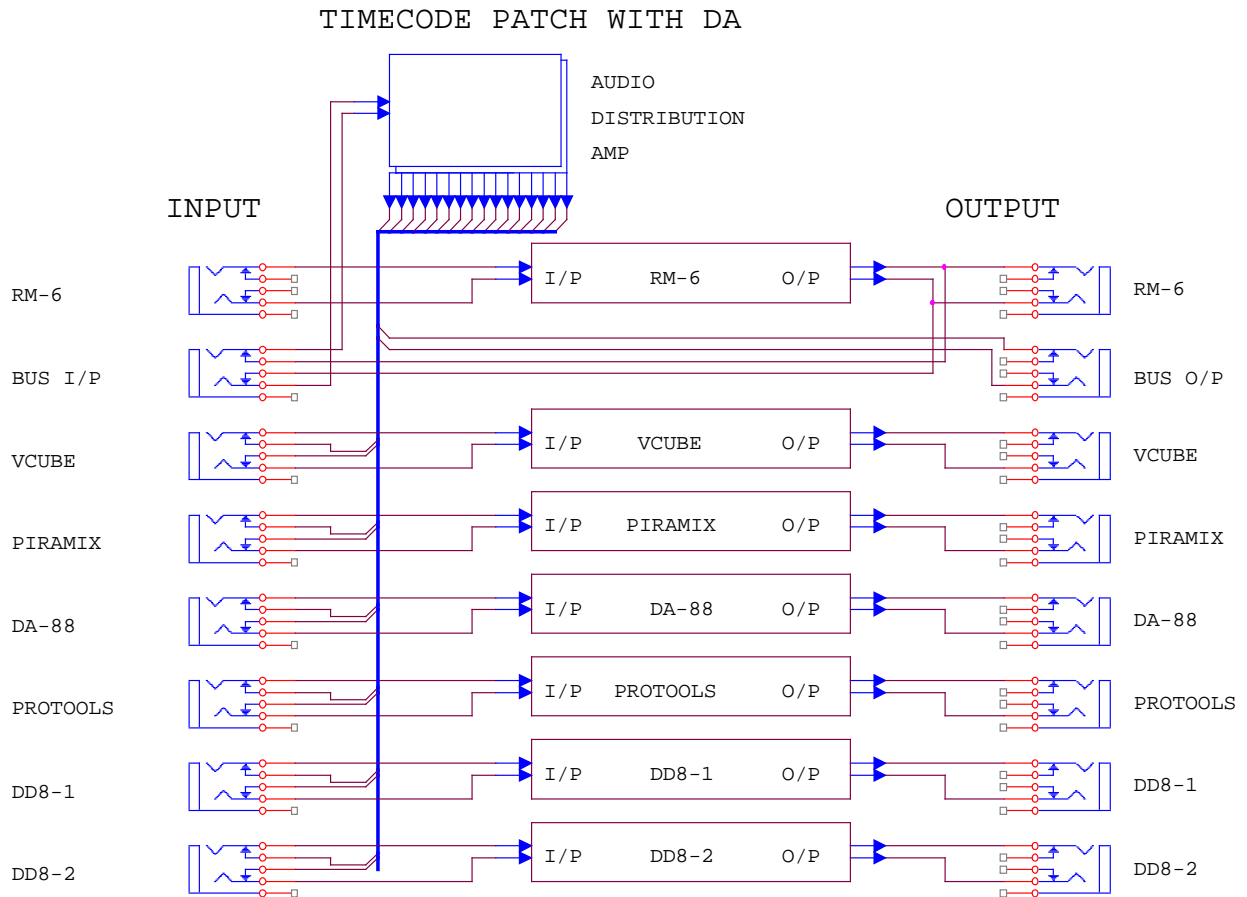
Anand Film Studios Mumbai: Synchronisation Block Diagram

The BS-1 is used to provide Biphase for the Dolby DS-10 and Sondor OMA-S dubbers. Master Video Sync and Wordclock is provided by the Nanosyncs HD sync pulse generator.



Care must be taken to ensure that the timecode outputs are not overloaded and that the wiring is compatible with unbalance inputs and outputs. Unbalanced inputs and outputs may be connected with telephone transformers to balance either inputs or outputs.

The timecode patch may also include a timecode distribution amplifier as shown in the following diagram:



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