DOLBY LINE UP

This line-up sheet is based on a 24 track line up for dolbies hooked up to a multitrack. However the theory involved can also be applied to conventional ½" and ¼" 2-track machines.

1. Preparation.

1.1   After the dolby rack has been installed put all channels on the dolby rack into bypass by using the large push button switch at the bottom of each dolby channel - not by switching dolby off by using the small toggle switch mid-way up the dolby card.

1.2   Carry out a full line up of the multitrack machine.

2. Line-up from Desk → Multitrack.

2.1   Select the master switches at the top of the dolby rack as follows :

NR off		OUT	Green LED will be ON
Dolby tone / cal		OUT	Red LED will be OFF
	Normal	IN	Green LED will be ON
Monitor	Check Tape	OUT	Red LED will be OFF
	Line in	OUT	Red LED will be OFF

Also check that none of the channels are in 'Uncal', the level to tape pot should be pressed IN, there is a Red LED on the dolby channel that will be ON if it is set to 'Uncal'.

2.2   Turn the desk oscillator on and send 1 kHz @ 0VU (ppm5) to the group outputs.

2.3   Take the dolby cards out of bypass using the large push button switch, but leave the dolby card switched off (toggle switch).

2.4   Adjust the top preset on the dolby card, marked 'from console' so that the two green lights marked with the dolby symbol are both illuminated. Repeat this for all 24 channels.

2.5   Put the multitrack into Input and monitor the input signal on the multitrack. Adjust the second pre-set down on the dolby card, marked 'to rec' so that the input on the multitrack reads 0VU. Repeat this for all 24 channels.

3. Line up from Multitrack → Desk.

3.1   Continue to send 1 kHz @ 0VU (ppm5) from the desk to the dolby rack. At the top of the dolby rack, at the master switches, press the button marked 'Monitor Line In' - the Red LED will come ON.

3.2   Go to the desk and monitor the multitrack returns on the desk channel meters. If you are on your own this next bit will be some what tricky, so go and find someone to help you and save yourself a load of hassle.

3.3   Return to the dolby rack and adjust the bottom pre-set marked 'to console' adjust this preset so that the meter on the desk (hence the second person) reads 0VU (ppm5). Repeat this for all channels.

3.4   Turn the desk oscillator off and return the 'Monitor Line In' switch to OUT - Red LED should be off.

3.5   Play the 1 kHz session tones on the multitrack and adjust the third pre-set down on the dolby channel, marked 'from rec', so that the 1 kHz from the multitrack monitors on the dolby so that the two green LEDs marked with the dolby symbol are both illuminated.

3.6   Repeat this for all channels.

3.7   As a final check put the dolby master switch marked 'Dolby tone / cal' IN, the Red LED will come On, and play the dolby noise recorded on the multitrack. Check on the dolby rack meters that there is no level jump as the rack automatically switches,every 5 secs. or so, between dolby tone and cal Switch 'Dolby tone / cal' OUT again after this check.

4. Final Rack Setup

4.1   The master Switches should be set as follows:

NR off		OUT	Green LED will be ON
Dolby tone / cal		OUT	Red LED will be OFF
	Normal	IN	Green LED will be ON
Monitor	Check Tape	OUT	Red LED will be OFF
	Line in	OUT	Red LED will be OFF

As a quick check there should be 2 Green LEDs on and nothing else on.

4.2   Switch bypass OFF, with the large push button at the bottom of the channel, on all channels except channel 24 which should be left on bypass - because timecode should not be dolbied

4.3   Switch 'SR In' on all channels with the toggle switch halfway up the dolby channel.