SDHD INPUT CARD PBX200AKA CARD ISSUE 4

[Firmware Version 5 23rd November 2004]

NOTES …..

INPUT CONNECTIONS

422 Input Signal is always connected to BNC1

444 Input Signal is always connected to BNC1 [A link] and BNC2 [B link]

BNC's 3 +4 will be used by Reference Wipe Option [coming soon !!]

Inputs are HDTV and SDTV compatible

DIP SWITCH

Not used in this version suggest set to '0' .

LEDS

LED 1 =	RED or YEL	Clock Error
	GREEN	**Flashes Firmware Version Number** [i.e. 5x]
	Note that the rate of flash is driven by incoming Vsync so if no input attached then no flash !!!	
LED 2 =	GREEN	SDTV MODE
	RED	HDTV MODE
	YELLOW	DATA [iQ] MODE

LED 3 – 6 adjacent BNC Connectors

RED =	Error Detected on Input Signal [TRS or Bad CRC]
GREEN =	Flashing Slow = SDTV
	Flashing Faster = HDTV

Note LED's are turned off if no input expected.
So for 422 operation LED4 is always dark.
Inputs 3 + 4 are not used in this revision so always dark as well.

All LEDs will flash when the board is first powered up.

SDHD OUTPUT CARD PBX200BKA CARD ISSUE 4

[Firmware Version 3 23rd November 2004]

DIP SWITCH

MUST BE set to ZERO.

OUTPUTS

Outputs 3 + 4 [The bottom two] are the Main Output as these were found at ILM to give the best performance.
The operational Mode of outputs 3 + 4 are set in the SCC CONTROL PANEL.

When set to 444 mode A link is on BNC3 and B link is on BNC4.
When set to 422 Mode Both outputs are the same.

Output's 1+2 are for the moment permanently set to 422 YUV operation.
New control bits have been defined so that Martin can add these to a future versions of software.

LEDS

LED1 [the top one] Flashes the Firmware Version Number.
This is driven by Vsync so a valid output signal must be present.

LED 3 + 4
Flash GREEN = SDTV
Flash RED = HDTV