AE-6B SELF DIAGNOSTIC SOFTWARE

The identification of errors within the AE-6B chassis is triggered in one of two ways :- 1: Busy or 2: Device failure to respond to IIC. In the event of one of these situations arising the software will first try to release the bus if busy (Failure to do so will report with a continuous flashing LED) and then communicate with each device in turn to establish if a device is faulty. If a device is found to be faulty the relevant device number will be displayed through the LED (Series of flashes which must be counted) See table 1., non fatal errors are reported using this method.

Each time the software detects an error it is stored within the NVM. See Table 2.

Table 1

Error Message	LED Code
No error	00
Reserved	01
OCP (Over Current Protection)	02
Over Voltage Protection	03
No Vertical Sync	04
IKR Error at power on	05
IIC bus clock and/or data lines low at power on	06
NVM no IIC bus acknowledge at power on	07
Horizontal Protection	08
Tuner no acknowledge at power on	09
Sound Processor Error	10
Reserved	11
Scanrate Error	12
DAC Error	13
Backend Error	14
Dynamic Convergence Error	15
PIP Error	16

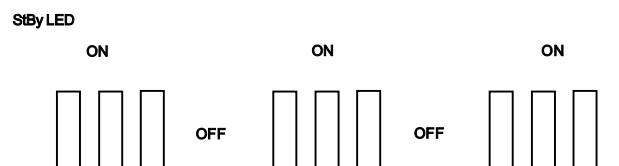**Flash Timing Example : e.g. error number 3**

StBy LED

How to enter into Table 2

1. Turn on the main power switch of the TV set.
2. Program Remote Commander for Operation in Service Mode. [See Page 20].
2. Press 'VIDEO' 'VIDEO' > 'MENU' > ERROR MENU on the Remote Commander.
3. The following table will be displayed indicating the error count.

Table 2

```
ERROR MENU

E02        OCP        (0, 255)   0
E03        OVP        (0, 255)   0
E04        VSYNC      (0, 255)   0
E05        IKR        (0, 255)   0
E06        IIC        (0, 255)   0
E07        NVM        (0, 255)   0
E08        HPROT      (0, 255)   0
E09        TUNER      (0, 255)   0
E10        SOUNDP     (0, 255)   0
E11        -          (0, 255)   0
E12        SCANRATE   (0, 255)   0
E13        DAC        (0, 255)   0
E14        BACKEND    (0, 255)   0
E15        DYN CON    (0, 255)   0
E16        PIP        (0, 255)   0

WORKING TIME
HOURS                            14
MINUTES                          7
```

Note: To clear the error count data press '80' on the Remote commander.