SHARP

LCD TELEVISION TECHNICAL BULLETIN

MODELS   LC39LE651K   LC39LE751K   LC50LE651K   LC50LE751K

LC60LE651K   LC60LE751K

REASON   Unit turns on (Blue LED), but no picture is on the display and no errors are recorded.

ACTION   This could be the result of firmware corruption.

To recover the unit, download and install the BOOT version of the firmware.
The unit is updated as follows:

1. Download the BOOT firmware from the Technical Website.
2. Extract the file and copy folder and file to a USB stick.
   The boot file should appear in a folder marked "boot".
3. Unplug the TV from the mains outlet.
4. Insert the USB stick to one of the USB ports on the TV.
5. Plug the unit into the mains.
6. When the front panel LED becomes blue, keep pressing front panel "VOL-".
7. Wait until the front panel LED becomes RED (Flashing), then release the front panel "VOL –" key.
   Note - If the LED does not flash RED, repeat steps 3 to 7.
   This may take several attempts.
8. The software upgrade operation will start, and the Red LED will blink as follows (1s Red, 1s OFF).
9. Once the upgrade operation has completed successfully, the red LED will blink as follow (1s RED, 4s OFF).
   Note - If a different flashing sequence appears, refer to page 2 for more details of the error code.
10. Remove the power cord from the mains outlet, and then remove the USB memory stick.

White – Carry out as required
Yellow – Carry out as required and whenever the unit comes in for service
Red – Carry out on all units

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Classification: White

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Action performed	Led flashing period	Meaning
USB insertion without AC power	OFF	-
Power on the TV via AC cord	OFF	STM8 is starting up the FP2K controller
USB is being read and file containing the SW upgrade is identified	OFF	FP2K started and is able to perform USB connection and read from external device.
Writing process of FP2K starts	LED FLASHING: 1 second ON, 1 second OFF (RED LED).	Software from USB is being downloaded to the nand-flash
Writing process of STM8 starts	LED FLASHING: 1 second ON, 1 second OFF (RED LED).	FP2K downloads the software for STM8 via SWIM link.
Writing process stops successfully.	LED FLASHING: 1 second ON, 4 second OFF (RED LED)	Writing process OK.
Writing process stops erroneously because FP2K is not well written.	LED FLASHING: 2 flashes ON, 1 second OFF (RED LED)	FP2K writing failed
Writing process stops erroneously because STM8 is not well written.	LED FLASHING: 3 flashes ON, 1 second OFF (RED LED)	STM8 writing failed
Writing process stops erroneously because USB is not detected.	LED FLASHING: 4 flashes ON, 1 second OFF (RED LED)	USB connection failed

Sharp Electronics (UK) Limited

Reference – RG15102013-6

Revision - 1

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