

*[Preparation]*

Confirm the Software Version in the displays Setup | Information menu.

If it is Ver.1.050 (or later), the firmware does not need to be upgraded.

Network adapters such as the BKM-FW50 must be removed during this operation.

Step 1 – Software preparation

1. Install “CGProbe Redistributable” into your PC.  
Double click “GProbe Redistributable 5.3.0.1.exe” and follow the instructions on the PC monitor.
2. Install “ISP Utility” into your PC.  
Double click “ISPUtility 2.0.0.3.exe” and follow the instructions on the PC monitor.

After finishing the above steps, an ISP Utility icon will be on your PC’s desktop.

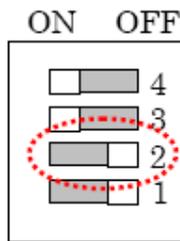


Step 2 – Display preparation

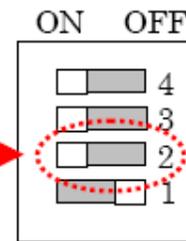
**AC power must be removed from the display!**

1. Remove the BKM-FW20 Monitor Control Adapter from the monitor then open its shield case.
2. **Set Dip SW #2 of SW3001 to “ON”.**  
*You must return Dip SW #2 to “OFF” after Firmware upgrade, otherwise the monitor may not operate normally.*

**【Setting of Dip SW on SW3001】**



Normal Operation  
#2 : OFF



To update Firmware  
#2 : ON

3. Reinsert the BKMFW20 into the Video/Com slot of the display.
4. Connect the PC and displays Remote Connector with an RS232 cross (null modem) cable.

**Reconnect AC power to the display, place in standby.**

## FWD-32LX2, FWD-40LX2, KLH-W26, & KLH-W32 Firmware Upgrade (continued)

### [Firmware update procedure]

#### Step 1 – ISP Utility setup

1. Double click the "ISP Utility".
2. Set the following conditions:  
 Connection -> "Serial"  
 Chip -> "FL18548"  
 Flash -> "SST39LF800A"
3. Click "Settings" then set the following conditions:  
 COM Port No.           **This setting depends on the PC.**  
 Baud Rate                "115200"  
 Data Bits                "8"  
 Parity                    "None"  
 Stop Bits                 "1"



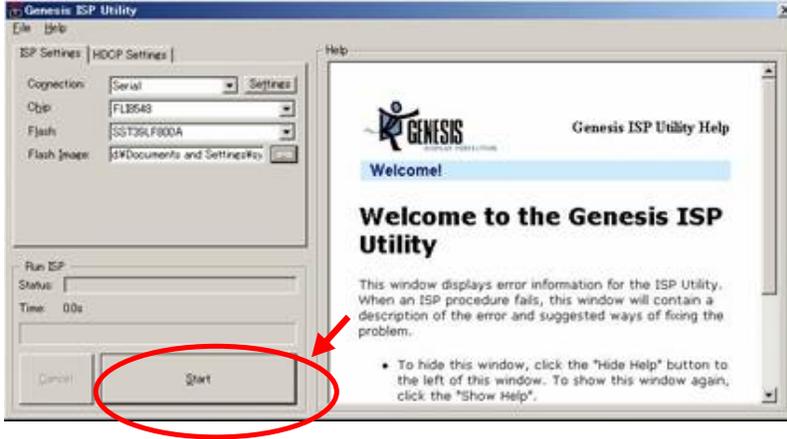
4. Click "OK" to close the Settings window.
5. Check the Chip Revision in the Factory Menu  
**(1) In the condition of Power ON, no OSD display and signal applied to the selected input.**  
 (2) Go to **FACTORY MODE** by entering the following keys on the remote commander within five seconds: "Enter" – "Enter" – "Mute" – "Enter" – "Mute" – "Menu"  
 (3) Check and record the Chip Revision at the bottom of the page (if Chip Revision is not listed use AB/AC).  
 (4) Push MENU to Save / Exit.
6. Check the Panel type in the Service Menu  
**(1) In the condition of Power ON, no OSD display and signal applied to the selected input.**  
 (2) Go to **SERVICE MODE** by entering the following keys on the remote commander within five seconds: "Enter" – "Enter" – "Mute" – "Enter" – "Mute" – "Volume +" – "Menu"  
 (3) Check and record the Dimmer setup at the bottom of the page (if not listed use "OLD").  
 (4) Push MENU to Save / Exit.
7. Browse to the correct Flash Image file for the display model and panel type:

Model	Panel	Firmware "hex" file
KLH-W26	AB/AC	HTLX0315A_2_4_RC5_JR_VER1050_DVT32.hex
KLH-W26	BD/BE	HTLX0315A_2_4_RC5_JR_VER1050_DVT32_bd_be.hex
KLH-W32	AB/AC	HTLX0315A_2_4_RC5_JR_VER1050_DVT32.hex
KLH-W32	BD/BE	HTLX0315A_2_4_RC5_JR_VER1050_DVT32_bd_be.hex
FWD-32LX2	AB/AC	HTLX041307A_2_4_RC5_BB_VER1050_DVT32.hex
FWD-32LX2	BD/BE	HTLX041307A_2_4_RC5_BB_VER1050_DVT32_bd_be.hex
FWD-40LX2	AB/AC	HTLX041307A_2_4_RC5_BB_VER1050_DVT40.hex
FWD-40LX2	BD/BE	HTLX041307A_2_4_RC5_BB_VER1050_DVT40_bd_be.hex

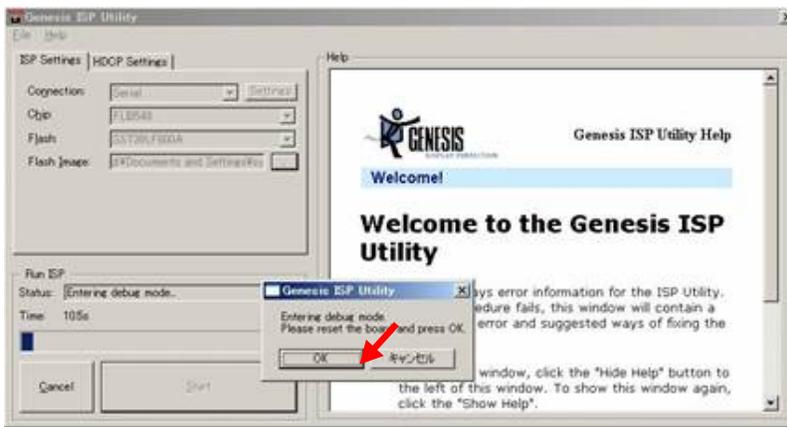
## FWD-32LX2, FWD-40LX2, KLH-W26, & KLH-W32 Firmware Upgrade (continued)

### Step 2 - Write firmware

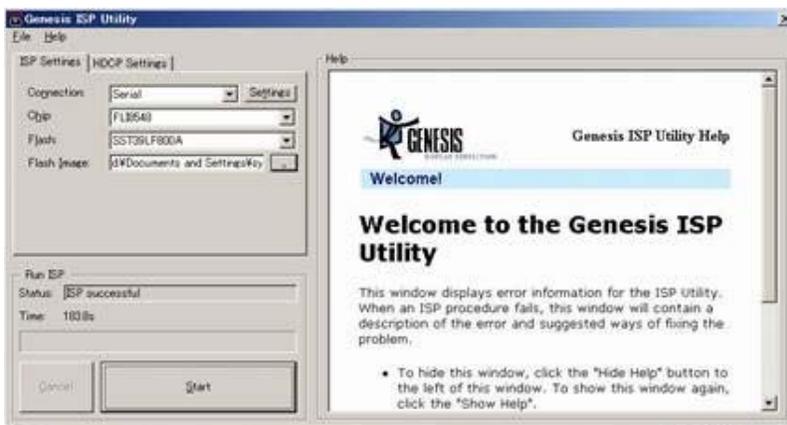
1. Switch display power on then click "Start" to write the firmware.



2. Click OK on the "Entering debug mode" message.



3. When "ISP successful" is shown the firmware has been written.



## FWD-32LX2, FWD-40LX2, KLH-W26, & KLH-W32 Firmware Upgrade (continued)

### 4. Reassemble display

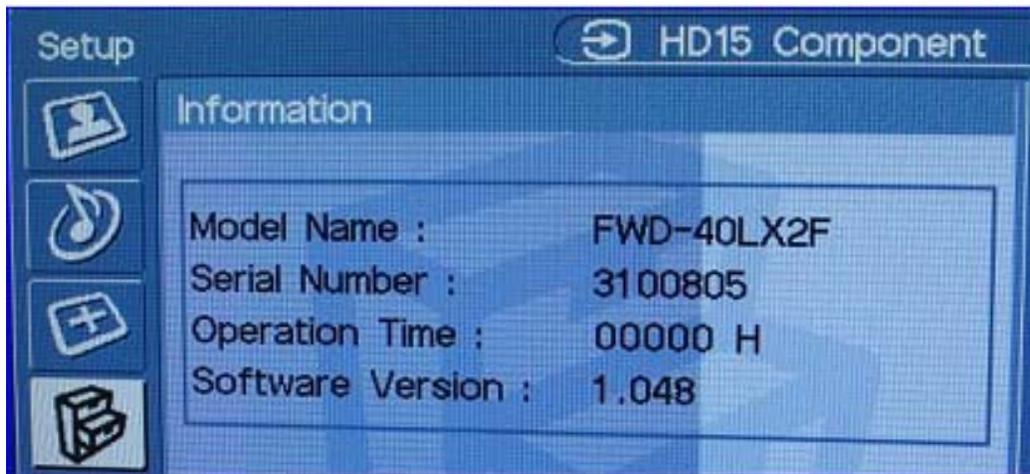
**AC power must be removed from the display!**

1. Disconnect the PC to display Remote Connector RS232 cable.
2. Remove the BKM-FW20 Monitor Control Adapter and open its shield case.
3. **Set Dip SW #2 of SW3001 to "OFF".**
4. Replace the shield case
5. Reinsert the BKMFW20 into the Video/Com slot of the display.

Reconnect AC power and power on the display.

### Step 3 - Confirming the result

1. Confirm the Software Version is "1.050" under the "Information" menu. (V1.048 shown)



### Step 4 – Initialize display

1. Recall W/B (not needed if upgrade was performed concurrently with a panel or A board replacement).
  - (1) In the condition of Power ON, no OSD display and signal applied to the selected input.
  - (2) Go to **FACTORY MODE** by entering the following keys on the remote commander within five seconds: "Enter" – "Enter" – "Mute" – "Enter" – "Mute" – "Menu"
  - (3) Cursor down to "Recall WB Data" , toggle to ON and execute (press enter to execute)
  - (4) Push MENU to Save / Exit.
2. Perform Factory reset
  - (1) In the condition of Power ON, no OSD display and signal applied to the selected input.
  - (2) Go to **FACTORY MODE** by entering the following keys on the remote commander within five seconds: "Enter" – "Enter" – "Mute" – "Enter" – "Mute" – "Menu"
  - (3) Cursor down to "Factory Reset" , toggle to ON and execute (press enter to execute)
  - (4) Remove then reconnect AC power
3. Set Panel type - **FOR 40LX2 ONLY!**
  - (1) In the condition of Power ON, no OSD display and signal applied to the selected input.
  - (2) Go to **SERVICE MODE** by entering the following keys on the remote commander within five seconds: "Enter" – "Enter" – "Mute" – "Enter" – "Mute" – "Volume +" – "Menu"
  - (3) Cursor down to "Dimmer Setup" , set panel type to "OLD" or "NEW" (from Step 1.6 on page 2) then execute (press enter to execute)
  - (4) Remove then reconnect AC power