SONY

Technical Bulletin

Date	Ref. No.	Model	
08.09.10	**10TV019R2**	**AZ-1H_1A, AZ-1H_2A-1.5, AZ-1H_2A-2, AZ-1H_2A-2.5, AZ-1H_2A-3 Chassis**	TD
Subject			IRIS
Software Upgrading Procedure for AZ-1H Chassis [REVISION 2]			

This Technical Bulletin describes the upgrading procedure for the AZ-1H chassis, using a USB stick. An update is needed for software fixes, or after replacing the LCD panel or BEHS board.

Chassis	BEHS Board destination	Part number
1A	AEP	A-1783-050-A
	UK	A-1783-459-A
	Italy	A-1783-556-A
	AEP-S	A-1783-464-A
2A-2, 2A-3	AEP	A-1766-469-B
	UK	A-1770-313-B
	AEP-S	A-1769-011-B
2A-1.5, 2A-2.5	AEP	A-1788-128-A
	UK	A-1788-129-A
	AEP-S	A-1788-130-A

IMPORTANT: After a BEHS board or panel exchange, no picture appears anymore, while the amber and green LED are blinking. This is normal. Please proceed as indicated below.

PREPARATION

- Unzip the applicable software file(s) attached to Technical Bulletin **10TV021**.

- A folder "SONY_dtv*" will be created automatically. Copy this entire folder to a USB stick.

NOTE: It is allowed to copy SW files for different segments to the same USB stick for future use.

PROCEDURE

IMPORTANT
Board or Panel Exchange => Perform **ALL** steps of the below procedure.
(Skip step 3 in case the model is not applicable)
Regular software Update => Only perform steps **1 and 5**.

1. SW upgrade

1-1. Make sure the TV is powered OFF.

1-2. Remove all cables (RF, External input, Ethernet etcetera).

1-3. Insert the USB stick to the TV.

1-4. Power ON the TV. The software upgrade starts automatically.

1-5. When the upgrade process has started, the TV goes in Standby mode after 1 minute. The Standby LED will then be ON and the TIMER LED will blink. **Never remove the USB stick while upgrading.**

1-6. After the upgrading has finished, the power turns ON automatically.

1-7. An OSD message "Update Complete" appears. Click [OK].

1-8. Remove the USB stick.

2. EMMA Writing   Only Board / Panel Exchange ↓

2-1. How to enter the Service Menu?

2-1-1. Put the TV in Standby using the remote commander.

2-1-2. Press [DISPLAY] => [5] => [Volume+] => [TV power] on the remote.

2-1-3. The "Digital" service menu will appear. Whenever you press [OPTIONS],
the menu changes: [Digital] => [Chassis] => [Sub] => [Digital] => …

2-2. Setting **SEGMENT** and **DESTINATION**

IMPORTANT: Both segment and destination must be set before proceeding to step 2-3, otherwise the update may corrupt the software, which would require a B board replacement.

2-2-1. To set the segment, press button [2] (UP) and [5] (DOWN) on the remote to select the **category** ("MODEL").

2-2-2. Press button [1] (UP) and [4] (DOWN) on the remote to select the **item** ("SEG").

2-2-3. Press button [3] (UP) and [6] (DOWN) on the remote to change the **data** according to the list below.

Segment	000 SEG
1A	01
2A-1.5	21
2A-2	04
2A-2.5	22
2A-3	05

2-2-4. To set the destination, press button [1] (UP) and [4] (DOWN) on the remote to select the **item** ("DEST").

2-2-5. Press button [3] (UP) and [6] (DOWN) on the remote to change the **data** according to the list below.

Destination	001 DEST
AEP	09
UK	15
AEP-S	17
Italy	19

2-3. Writing Segment and Destination data

Press [0] + [Enter] on the remote. A red "Write" message appears when the writing is processing (takes a couple of seconds).

```
DIGITAL                SERVICE
002 MODEL
000 SEG    01 : 2a-3
           Write
```
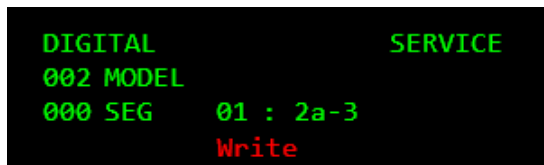
3. MIMAS Writing (2A-2, 2A-3 segment only)

3-1. Use the [OPTIONS] button on the remote to move from "Digital" service mode to "Sub" service mode.

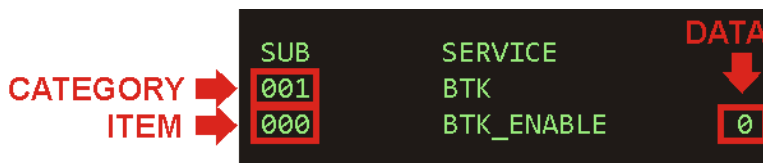3-2. Setting **BTK**

3-2-1. To set the segment, press button [2] (UP) and [5] (DOWN) on the remote commander to select the **category** ("BTK") = Blind Touch Key.

3-2-2. Press button [1] (UP) and [4] (DOWN) on the remote to select the **item** ("BTK_ENABLE").

3-2-3. Press button [3] (UP) and [6] (DOWN) on the remote to change the **data** according to the list below.

Segment	BTK_ENABLE
2A-2	1: Enable
REST	0: Disable

```
                                           DATA
             SUB          SERVICE
CATEGORY ➤   001          BTK
    ITEM ➤   000          BTK_ENABLE       0
```

NOTE: The "**GAISO**" category value should be "**0**" by default. Confirm this by selecting "GAISO" as category and "VARIATION" as item. If not "0", modify using the [6] button.
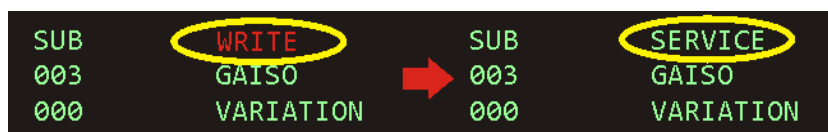
3-3. Writing BTK data

3-3-1. Press "Mute". Green "SERVICE" changes to green "WRITE".

```
 MUTE BUTTON
              SUB    SERVICE         SUB    WRITE
              003    GAISO      ➤    003    GAISO
              000    VARIATION       000    VARIATION
```

3-3-2. Press [0] on the remote. Green "WRITE" changes to red "WRITE", indicating the writing process has started.

3-3-3. When the writing process is finished, "WRITE" changes again to "SERVICE".

```
              SUB    WRITE           SUB    SERVICE
              003    GAISO      ➤    003    GAISO
              000    VARIATION       000    VARIATION
```

3-3-4. It is necessary to reboot the TV by pulling out the AC plug in order to apply the data change.

4. Model name verification (User Menu)

4-1. Press the [HOME] button to access the TV Home menu.

4-2. Select the setting icon using the [Left] or [Right] direction buttons.

4-3. Highlight the Product Support icon using the [Up] or [Down] buttons, and press [Enter] to select. Press 2 times [Down] to select "System Information", and then press [Enter].
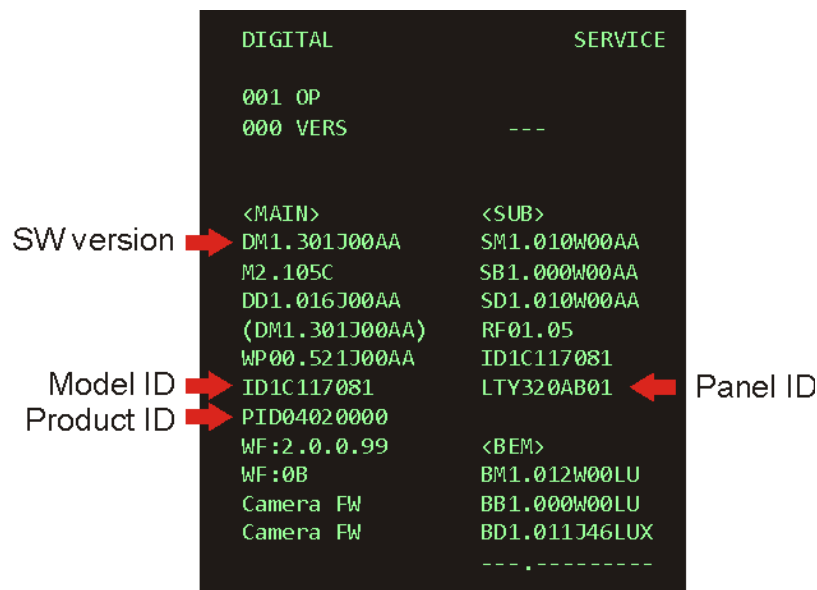
4-4. Verify the model name.

5. Verify SEG/DEST/BTK and SW version (Service Menu)　　ALL ↓

5-1. Go to TV Standby condition by remote commander.

5-2. Enter the Service Menu by pressing [DISPLAY] => [5] => [Volume+] => [TV power] on the remote.

5-3. Verify Model ID, Product ID and Software Version. In order to do so, use the attached **AZ1H Board Exchange Table**, being available both as Excel and PDF document.

NOTE for AEP-S models

- After updating, DEST "09 : AEP (AEP grp)" appears in the Service Menu, although the Product ID and Model ID are correct. The TV functioning is not affected by this.

- If wanted, the setting can be changed manually following the guidelines outlined in step 2-2 of this procedure.