

## Self Check

Self-check is used to automatically check the bus lines and hexadecimal code of the TV set. To enter Self-Check mode, keep pressing the down (-/v) button on the TV set and press the **STATUS**  button on the remote control. To exit Self Check, switch off the TV set at the power button.

TX-L42GW20

42FHD				Panasonic 2010LCD	
				Self Check Complete	
TUN	O.K.	PEAKS-SOFT	2.005	SUM	C722
STBY	O.K.	PEAKS-EEP	01.00.0009		
MEM1	O.K.	LSI-PACKAGE	0.024	MODEL ID	07
MEM2	O.K.	LSI-RELEASE	0.29		03097100
ADAM	O.K.	STBY-SOFT	1.00.00		00000020
AVSW	O.K.	STBY-EEP	1.08.3600	EDID	53 0afaeada
OFDM	O.K.	STBY-ROMCORR	1.01.00		
VIF	O.K.	ZWEI-SOFT	05000102		
LAN	O.K.				
ZWEI	O.K.				
2nd FE	O.K.				
ID	O.K.				

Display	Ref. No.	Description	P.C.B.
TUN	TU2901	TUNER	A-Board
STBY	IC1100	GENX	A-Board
MEM1	IC1101	EEPROM GENX	A-Board
MEM2	IC8950	EEPROM LDA2	A-Board
ADAM	IC8000	A CHIP LDA2	A-Board
AVSW	IC3000	AUDIO VIDEO SWITCH	A-Board
OFDM	IC8300	DIGITAL DEMODULATOR	A-Board
VIF	TU2901	TUNER	A-Board
LAN	IC8703	ETHERNET IF	A-Board
ZWEI	IC9006	ZWEI	TC-Board
2 <sup>nd</sup> FE	TU6700	TUNER DVB-S	XS-Board
ID	IC8950	EEPROM(LDA2)	A-Board

If the CCU ports have been checked and found to be incorrect or not located then " - - " will appear in place of "O.K.".

# Power LED blinking timing chart

1. Subject  
Information of LED Flashing timing chart.
2. Contents  
When abnormality has occurred the unit, the protection circuit operates and reset to the stand by mode. At this time, the defective block can be identified by number of blinking of the Power LED on the front panel of the unit.

Blinking times	Blinking timing	Contents	Check point
1		BL_SOS (BACKLIGHT SOS)	LCD PANEL A BOARD
2		FAN_SOS	A BOARD
3		SOS	A BOARD XS BOARD
4		SUB12V_SENSE_SOS	A BOARD P BOARD XS BOARD
7		SUB3.3V_SENSE_SOS	A BOARD XS BOARD
9		SOUND_SOS	A BOARD P UNIT
10		ZWEI	TC BOARD
13		EMERGENCY SOS	A BOARD

## Service Mode Function

MPU controls the functions switching for each IICs through IIC bus in this chassis. The following setting and adjustment can be adjusted by remote control in Service Menu

### How to enter SERVICE

While pressing (-/V) button on TV unit, press **0** on the remote control for 3 times within 2 seconds.

#### **Note:**

To exit from Service mode, press the exit button on remote control.

# SERVICE

SERVICE	Peaks SOFT	2.005	OPTION 1	1c
ADJUST	Peaks EEP	0100.0009	OPTION 2	ee
WB-ADJ	LSI PACKAGE	0.024	OPTION 3	01
OPTION	LSI DATA	0.0209	OPTION 4	20
SRV-TOOL	STBY SOFT	1.00.00	Model ID	07
	STBY EEP	1.08.3600		03097100
	STBY ROMCOR	1.01.00		00000020
	ZWEI SOFT	5.01.0002	R/E Cnt	0000000
	Alax_CE	0.8.6	INV Cnt	0000
			CMS data	L0.403

## Key Command

- Press the **3/4** button to change the adjustment values or function.
- Press the **1/2** button to step up/down through the functions and adjustments
- Press the numerical button **VOLUME (+/-)** to change option item.
- Press the **OK** button after each adjustment has been made to store the required values.



# Service Tool Mode

## How to access

1. Select [SRV-TOOL] in Service Mode.
2. Press [OK] button on the remote control.

	SRV-TOOL		
Display of TD2Microcode version →	TD2Microcode:005a0910		
Display of Flash ROM maker code →	Flash ROOM: AD – F1		
Display of SOS History →	PTCT:00.00.00.00.00	Time 00051:30	On/Off 0000042 ←
			POWER ON TIME/COUNT Press [MUTE] button (3sec)

## Display of SOS History

SOS History (Number of LED blinking) indication.

From left side; Last SOS, before Last, three occurrence before, 2<sup>nd</sup> occurrence after shipment, 1<sup>st</sup> occurrence after shipment. This indication will be cleared by [Self/check indication and forced to factory shipment setting].

## Power ON Time, On/Off

Note: To display TIME/COUNT menu, highlight position, then press MUTE for 3sec.

Time: Cumulative power on time, indicated hour: minute by decimal.

On/Off: Number of On/Off switching by decimal.

Note: This indication will not be cleared by either of the self-checks or any other command.


## Exit

Disconnect the AC cord from wall outlet or switch off the power with [Power] button on the main unit.

# Hotel Mode

1. Purpose  
Restrict a function for hotels.
2. Access command to the Hotel mode setup menu.  
In order to display the Hotel mode setup menu, please enter the following command (within 2 second).  
[TV] : Vol.[Down] + [REMOTE] : AV (3 times)

Then, the Hotel mode setup menu is displayed.

Hotel mode	
Hotel mode	Off
Initial INPUT	Off
Initial POS	Off
Initial VOL Level	Off
Maximum Vol Level	Off
Button Lock	Off
Remote Lock	Off
Select 	

3. To exit the "Hotel mode" menu press the EXIT button on remote control.
4. Explain the Hotel mode setup menu.

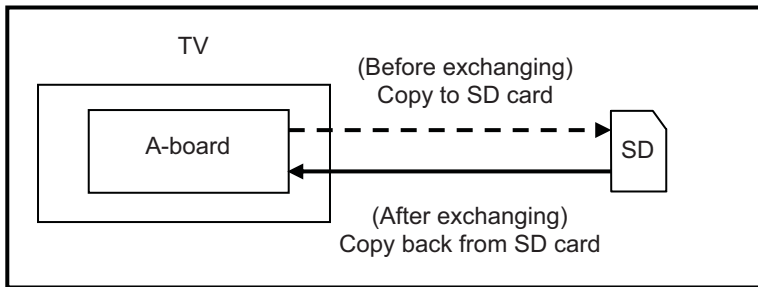
ITEM	Function
Hotel Mode	Select hotel mode ON/OFF
Initial INPUT	Select input signal modes. Set the input, when each time power is switched on. Selection: Off Analog /DVB-C/DVB-T/DVB-S AV1/AV2/AV2S/AV3/ Component/HDMI1/HDMI2/HDMI3/HDMI4 *Off: give priority to the last memory. However, Euro Model is compulsorily set to TV. *AVnS/AVnC: only Euro model selectable * PC:selectable with VGA option
Initial POS	Select programme number. Selection: Off/0 to 99 *Off: give priority to the last memory
Initial VOL Level	Adjust the volume when each time power is switched on. Selection/Range: Off/0 to 100 *Off: give priority to the last memory
Maximum VOL Level	Adjust maximum volume. Range: 0 to 100
Button Lock	Select local key conditions. Selection: Off/SETUP/MENU/ALL *Off: altogether valid *Setup: only F-key is invalid (Tuning guide (menu) can not be selected.) *MENU: only F-key is invalid (only Volume/Mute can be selected.) *All: altogether invalid.
Remote Lock	Select remote control key conditions. Selection: Off/SETUP/MENU *Off: altogether valid *Setup: only Setup menu is invalid MENU: Picture/Sound/Setup menu are invalid

# Data Copy by SD Card

## Purpose

### a) Board replacement (Copy the data when exchanging A-board):

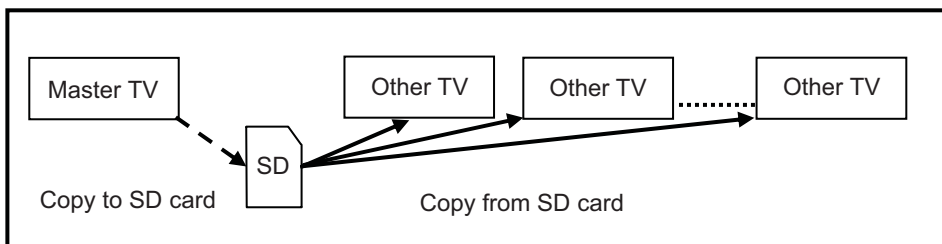
When exchanging A-board, the data in original A-board can be copied to SD card and then copy to new A-board.



Following data can be copied.  
User setting data  
(inc. Hotel mode setting data)  
Channel scan data  
Adjustment and factory preset data

### b) Hotel (Copy the data when installing a number of units in hotel or any facility):

When installing a number of units in hotel or any facility, the data in master TV can be copied to SD card and the copy to other TVs.



Following data can be copied.  
User setting data  
(inc. Hotel mode setting data)  
Channel scan data

## Preparation

Make pwd file as startup file for (a) or (b) in an empty SD card.

1. Insert an empty SD card to your PC.
2. Right-click a blank area in a SD card window, point to New, and then click text document. A new file is created by default (New Text Document.txt).
3. Right-click the new text document that you just created and select rename, and then change the name and extension of the file to the following file name (a) or (b) and press ENTER.

File name:

- (a) For Board replacement: boardreplace.pwd
- (b) For Hotel: hotel.pwd

Note:

Please make only one file to prevent the operation error.  
No any other file should be in SD card.

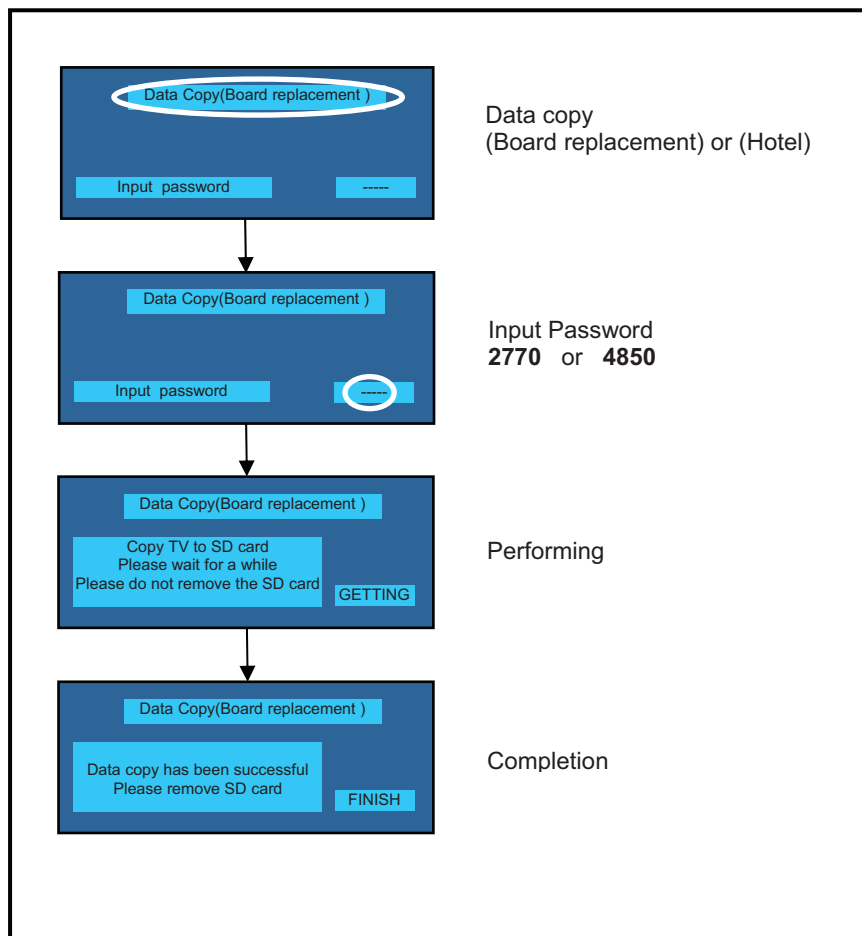
## Data Copy from TV set to SD Card

1. Turn on the TV set.
2. Insert SD card with a startup file (pwd file) to SD slot.  
On-screen Display will be appeared according to the startup file automatically.
3. Input a following password for (a) or (b) by using remote control.  
(a) For Board replacement: 2770  
(b) For Hotel: 4850  
Data will be copied from TV set to SD card.  
It takes around 2 to 6 minutes maximum for copying.
4. After the completion of copying to SD card, remove SD card from TV set.
5. Turn off the TV set.

### Note:

Following new folder will be created in SD card for data from TV set.

- (a) For Board replacement: user\_setup
- (b) For Hotel: hotel



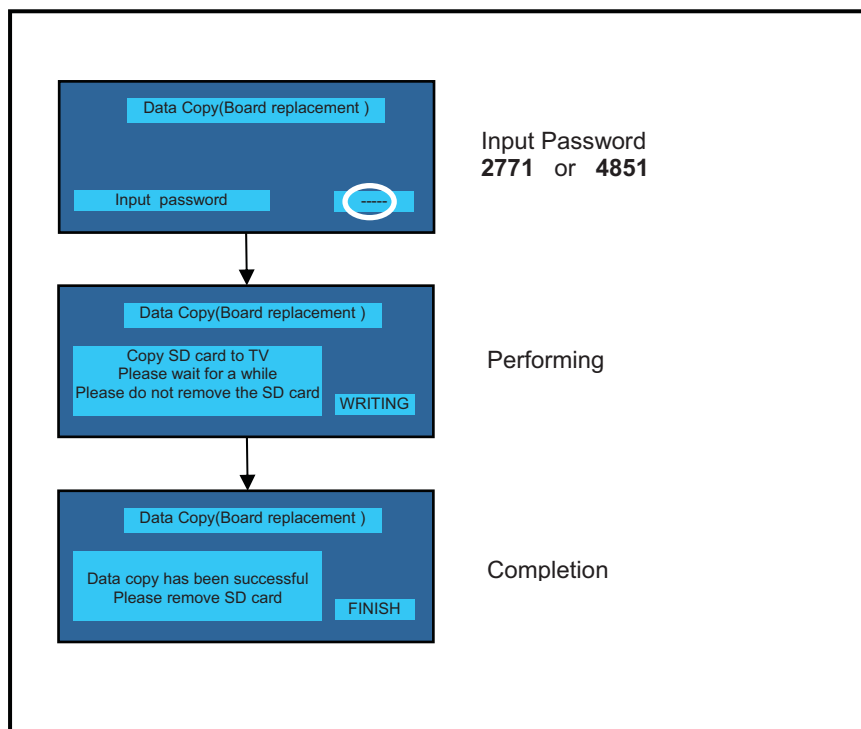


## Data Copy from SD Card to TV set

1. Turn on the TV set.
2. Insert SD card with Data to SD slot.  
On-screen Display will be appeared according to the Data folder automatically.
3. Input a following password for (a) or (b) by using remote control.
  - (a) For Board replacement: 2771
  - (b) For Hotel: 4851Data will be copied from SD card to TV set.
4. After the completion of copying from SD card, remove SD card from TV set.
  - (a) For Board replacement: Data will be deleted after copying (Limited one copy).
  - (b) For Hotel: Data will not be deleted and can be used for other TVs.
5. Turn off the TV set.

### Note:

1. Depending on the failure of boards, function of Data for board replacement does not work.
2. This function can be effective among the same model numbers.



## Option Bytes Description

OPTION1		
b0	ATP Search Speed	Slow (1) / Fast (0)
b1	TXT Ch Refresh	On (1) / Off (0)
b2	ID-1	On (1) / Off (0)
b3	Macrovision Auto-Judge	On (1) / Off (0)
b4	Surround enable low bit (*1)	On (1) / Off (0)
b5	Surround enable low bit (*1)	On (1) / Off (0)
b6	Pre Emphasis	On (1) / Off (0)
b7	TINT_COMPONENT_HDMI	On (1) / Off (0)
OPTION2		
b0	Adjust lgain enable	On (1) / Off (0)
b1	A2 BC enable (5.5)	On (1) / Off (0)
b2	A2 DK1 enable (6.26)	On (1) / Off (0)
b3	A2 DK3 enable (5.742)	On (1) / Off (0)
b4	NICAM scan	On (1) / Off (0)
b5	NICAM BG enable (5.5)	On (1) / Off (0)
b6	NICAM I enable (6.0)	On (1) / Off (0)
b7	NICAM DK enable (6.5)	On (1) / Off (0)
OPTION3		
b0	NICAM priority	On (1) / Off (0)
b1	Starhub scan enable	On (1) / Off (0)
b2	add H264 enable	On (1) / Off (0)
b3	A2 DK2 enable	On (1) / Off (0)
b4	Inhibition of countermeasure for SIF signal drop	On (1) / Off (0)
b5	get onid from physical CH	On (1) / Off (0)
b6		
b7	SASO mute	On (1) / Off (0)
OPTION4		
b0	All country DVB-S enable	On (1) / Off (0)
b1	All country DVB-C enable	On (1) / Off (0)
b2	3DYC color motion detected	On (1) / Off (0)
b3		On (1) / Off (0)
b4		On (1) / Off (0)
b5		On (1) / Off (0)
b6	PIP	On (1) / Off (0)
b7	RF remote control	On (0) / Off (1)