



DLP TV

Chassis : L67B(N)_Orchid
Model : HLT5076SX/XAA

SERVICE *Manual*

DLP TV



HL-T5076S

FEATURES

- HD Built in TV
- NTSC/ATSC Tuner Embedded
- 3D Ready
- PC input
- 3HDMI Interface Adopted
- Digital Audio output (OPTICAL) jack
- Firmware upgrade by USB Port

Refer to the service manual in the GSPN (see the rear cover) for the more information.



GSPN (Global Service Partner Network)

Area	Web Site
North America	service.samsungportal.com
Latin America	latin.samsungportal.com
CIS	cis.samsungportal.com
Europe	europe.samsungportal.com
China	china.samsungportal.com
Asia	asia.samsungportal.com
Mideast & Africa	mea.samsungportal.com

This Service Manual is a property of Samsung Electronics Co.,Ltd.
Any unauthorized use of Manual can be punished under applicable
International and/or domestic law.

© Samsung Electronics Co., Ltd. Apr. 2007
Printed in Korea
AA82-04611A

Table of Contents

Chapter 1 Precaution

■ 1-1 Safety Precautions	1-1
■ 1-2 Servicing Precautions	1-3
■ 1-3 Static Electricity Precautions	1-4
■ 1-4 Installation Precautions	1-5

Chapter 2 Product Specification

■ 2-1 Product Features	2-1
■ 2-2 Key Features	2-3
■ 2-3 Specifications Analysis	2-5
■ 2-4 Accessories	2-6

Chapter 3 Alignment & Adjustment

■ 3-1 Service Instruction	3-1
■ 3-2 How to Access Service Mode	3-2
■ 3-3 Factory Data	3-3
■ 3-4 Service Adjustment	3-14
■ 3-5 Software Upgrade	3-18
■ 3-6 Replacements & Calibration	3-19

Chapter 4 Exploded View & Part List

■ 4-1 HLT5076SX/XAA	4-1
---------------------------	-----

Chapter 5 Electrical Part List

■ 5-1 HLT5076SX/XAA Service Item	5-1
--	-----

Chapter 6 Troubleshooting

■ 6-1 Checkpoints by Error Mode	6-1
■ 6-2 Troubleshooting Procedures by Error Modes	6-6

Chapter 7 Block Diagram

■ 7-1 Overall Block Diagram	7-1
■ 7-2 Partial Block Diagram	7-2

Chapter 8 Wiring Diagram

■ 8-1 Overall Wiring	8-1
■ 8-2 Main Board Layout	8-3

Chapter 9 PCB Diagram

■ 9-1 Power Board	9-1
■ 9-2 Main Board	9-2
■ 9-3 Jack Board	9-3
■ 9-4 DMD Board	9-4

Chapter 10 Schematic Diagram

■ 10-1 Main Board	10-1
■ 10-2 Jack Board	10-20
■ 10-3 DMD Board	10-21
■ 10-4 Power	10-31