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PLASMA TV SERVICE MANUAL

CHASSIS :AF-044A

MODEL : DU-42PX12XD

CAUTION
BEFORE SERVICING THE CHASSIS,
READ THE SAFETY PRECAUTIONS IN THIS MANUAL.



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Book Descriptions:

Du-42Px12Xd Manual

Retain this manual for future reference. Record model number and serial number of the TV in the See the label attached on the back cover and relate this Model Number. Serial Number. LG Electronics U.S.A., Inc. Warning The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance servicing instructions in the literature accompanying the appliance. This equipment generates, uses and can radiate radio frequency energy. However, there is no guarantee that interference will not occur in a particular installation. If this equipment Any changes or modifications not expressly approved by the party responsible for compliance could void the user's Unauthorized modification could void the user's authority to operate this product. LG Electronics U.S.A., Inc. Safety Instructions. Important safeguards for you and your new product. Your product has been manufactured and tested with your safety in mind. However, improper use can result in electrical To avoid defeating the safeguards that have been built into your new product, please read and observe Observing the simple precautions discussed in this manual can help you get many years of enjoyment and safe operation This product complies with all applicable U.S. Federal safety requirements, and those of the Canadian Standards Association. All the safety and operating instructions should be read Do not use attachments not recommended by the product All operating and use instructions should be followed. Slots and openings in the cabinet are provided for ventilation This product should not be placed in a builtin installation The safety and operating instructions should be retained for All warnings on the product and in the operating instructions Unplug this product from the wall outlet before cleaning. <http://grandp.ru/userfiles/daiwa-seaborg-750-mt-manual.xml>

- **du-42px12xd manual.**

Do Do not use this product near water, for example, near a bath Do not place this product on a slippery or tilted surface, or on The product Use only with a cart, Any mounting of the product should follow the manufacturer's instructions, and should A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may This product should be operated only from the type of power If you are not sure of For products intended to This product is equipped with a threewire grounding type This plug will only This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not Powersupply cords should be routed so that they are not Safety Instructions continued If an outside antenna or cable system is connected to the Article 810 of the National Electrical Example of Grounding According to National. Electrical Code Instructions. Ground Clamp. Antenna Lead in Wire. Antenna Discharge Unit Electric Service. Equipment. Grounding Conductor Ground Clamps. Power Service Grounding. Electrode System NEC. Art 250, Part H. NEC National Electrical Code For added protection for this product receiver during a lightning storm, or when it is left unattended and unused for long This will prevent damage to the An outside antenna system should not be located in the Do not overload wall outlets and extension cords as this can Never push objects of any kind into this product through Never spill liquid of any kind on the product. Do not attempt to service this product yourself as opening or Unplug this product from the wall outlet and refer servicing to Adjust only those controls that are When replacement parts are required, be sure the service Upon completion of any service or repairs to this product, The product should be mounted to a wall or ceiling only as The product may slide The product should be situated away from heat sources Contents. Auto Clock Setup.....25. Manual Clock Setup..... <http://ankarapianofestival.com/userfiles/daiwa-seaborg-500mt-manual.xml>

25. Option Menu Features. Aspect Ratio.....	27. Caption Option.....	29.
Cinema Mode Setup.....	29. ISM Method.....	30. Low power.....
30. Split Zoom.....	30. Lock Menu Options. Parental Lock Setup.....	32. TV
Program Selection for PIP.....	33. Moving the PIP sub picture.....	34. Adjusting Main and
34. Sub Picture Sizes for Twin Picture..	34. POP PictureoutofPicture Channel Scan...	34. Introduction.
Connection Options.....	8. Remote Control Key Functions.....	9. Installation. Antenna
Connection.....	12. PC Setup.....	16. Operation. Screen Setup for PC
mode.....	17. Turning the TV On.....	18. Onscreen Menus Language
Selection.....	18. Setup Menu Options. EZ Scan Channel Search.....	19. Channel
Edit.....	19. DTV Signal Strength.....	20. Channel Label Setup.....
20. Main Picture Source Selection.....	20. Video Menu Options. EZ Picture.....	21.
21. Manual Picture Control Off Option.....	21. Color Temperature Control.....	21. Video
21. Preset.....	21. Audio Menu Options. Audio Language.....	22. Manual Sound
23. Control Off Option.....	23. Front Surround.....	23. IR Codes. Programming the Remote.
23. Programming CodesProduct Specifications.....	46. Setup and Operation Checklist. Setup	and Operation ChecklistSee page 20. See page 9. See page 18. See Contents above. After reading this
manual, keep it handy for future reference. Owner's Manual 5	Introduction.	

What is a Plasma Display Panel PDP A plasma display panel is the latest display technology and the best way to achieve flat panel displays with excellent image qualityThe PDP can be thought of as a descendant of the neon lamp and it can be alsoHow does it work PDP is an array of cells, known as pixels, which are comprised of 3 sub pixels, corresponding to the colors red, green, and blue. Gas in a plasma state is used to react with phosphors in each subpixel to produce colored light red, green, or blue. These phosphors are the same types used in Cathode Ray Tube CRT devices such as televisions and common computer monitors. You get the rich, dynamic colors that you expect. Each subpixel is individually controlled by advanced electronics to produce overAll of this means that you get perfect images that are easily viewable in a display that is less than 5Your flat panel plasma screen offers an exceptionally broad viewing angle over 160 degrees. This means that the display isWide Screen. The screen of the Plasma Display is so wide that your viewing experience is as if you are in a theater. Multimedia. Connect your plasma display to a PC and you can use it for conferencing, games, and Internet browsing. The PictureinPictureVersatile. The light weight and thin size makes it easy to install your plasma display in a variety of locations where conventional TVs will notThe PDP Manufacturing Process a few minute colored dots may be present on the PDP screen. The PDP Plasma Display Panel, which is the display device of this product is composed of 0.9 to 2.2 million cells. A few cellSeveral tiny, minute colored dots visible on the screen should beThe tiny dots appearing does not mean that this PDP is defective. Thus a few cell defects are not sufficient cause for the PDP to be exchanged or returned. Our production technology minimizes these cell defects during the manufacture and operation of this product.ControlsImage shown may be somewhat different from your TV.

<http://www.bosport.be/newsletter/ads1102cal-manual>

Front Panel ControlsRemote Control SensorVOLUME F,G Buttons. Power Standby Indicator. Illuminates red in standby mode. Illuminates green when the TV isOwner's Manual 7Connection Options. Back Connection Panel. SVIDEO Input. A connection available to provide betterConnects the video signal from a videoUse to connect to hear stereo soundRemote Control. Port. Connect your wiredInput. Connect the monitor output connector from a PC to the appropriate input port. SVideo Input. Connect SVideo out from anVIDEO input.Monitor Output. Connect a second TV or. Monitor.Digital Audio Output. Connect digital audio from various typesPower Cord Socket. This TV operates on an AC power. The voltage is indicated on the Specifications page. Never attempt to operate the TV on DC power.Remote Control Key FunctionsVCR, DVD, CABLE, HDSTB or AUDIO.

Select other operating modes, for the Selects DTV, Analog, Video12. Component 12, RGBDTV or RGBPC. DVIDTV or DVIPC input sources. NUMBER buttons Not available in. Component 12, RGB and DVI mode. Change the audio language in DTV mode. Off, EZ Mute, and On. TV viewing from any menu. Control some video cassette recorders or Installing Batteries. Replace cover. Owner's Manual 9 Installation. Ensure that the following accessories are included with your plasma display. If an accessory is missing, please contact the dealer Owner's Manual Remote Control. Attaching the TV assembly to the wall Insert the 2 bolts and tighten securely, in the holes on the bracket. Match the height of the TV brackets and the wall brackets. Check to be sure the brackets are tightened securely. Installation Instructions. The speakers shown are optional. Supply Do not try to ground the Shortcircuit. Breaker. Desktop Pedestal Installation. Wall Mount Horizontal installation. For proper ventilation, allow a clearance of 4" on each Detailed installation instructions are available from your dealer, see the optional. Wall Mounting Bracket Installation and Setup Guide. To Mount on a Wall.

Wall mount minimum allowable clearances for adequate ventilation. For proper ventilation, allow a clearance of 4" on each Guide available from your dealer. To Install on a Desktop. Pedestal mount minimum allowable clearances for Owner's Manual 11 External Equipment Connections. Antenna Connection. Analog and Digital TV signals provided on one antenna Wall Antenna. Socket. Copper Wire VHF Antenna. Turn clockwise to tighten. UHF Antenna. Copper Wire. Outdoor. Antenna. Be careful not to bend the Copper wire when Antenna Amplifier. Analog and DTV signals provided on two separate antennas. Wall Antenna. RF Coaxial Wire 75 ohm. Analog Antenna. Turn clockwise to tighten. Copper Wire. NOTE If you are not sure of the type of signals you are receiving, let EZ Scan complete all the channel signal type searches. The TV will let you know when the analog, cable, and digital channel scans are complete. NOTE All cables shown are not included with the TV. VCR Setup Typically a frozen still picture from a VCR. If the 4:3 picture format is used; the fixed images on the sides of the screen may Connection Option 1. Set VCR output switch to 3 or 4 and then tune. TV to the same channel number. Connection Option 2 VCRs output jacks to the TV input jacks, as When connecting the TV to VCR, match the. If you connect an SVIDEO output from VCR to VCR to the Video input. PLAY on the VCR. Refer to the VCR owner's SVideo at the same time. Cable TV Setup The TV cannot display TV programming unless a TV tuner device or cable TV converter box is connected to the TV. Connection Option 1 Connection Option 2 Cable Boxes output jacks to the TV input jacks, When connecting the TV to a Cable Box, Cable Box. Owner's Manual 13 How to connect. Connect the audio and video cables from the external equipments output jacks to the TV input jacks, as shown in the When connecting the TV to external equipment, match the Video 1 input source. Camcorder.

Video Game Set The TV has a special signal output capability which allows you to See the Operating Manual of the second TV or monitor for further How to connect PB, PR INPUT jacks on the TV and connect the DVD audio outputs AUDIO INPUT jacks on the TV, as shown in the figure. NOTE If your DVD player does not have component video output, use. SVideo. To get better picture quality, connect a DVD player to the component input ports as shown below. Component ports Pr. PbCb Ante HDSTB Setup. However, if you do receive Digital How to connect. Use the TV's COMPONENT Y, PB, PR INPUT, RGB or DVI jack for How to use Component 1, Component 2, RGBDTV, or DVIDTV source. Signal Yes. No. Yes. Digital Audio Output. Send the TV's audio to external audio equipment stereo system via How to connect Output port. See the external audio equipment instruction manual for operation. Looking at the laser beam may damage Owner's Manual 15 PC Setup The TV sends configuration information EDID to the PC using the Video Electronics Standard Association VESA Display Data Channel DDC How to connect Interface INPUT port for video connections, If using a sound card, adjust the PC sound as There may be noise associated with the resolution, vertical pattern, contrast or brightness in PC mode. If noise is present, change the PC

mode to another resolution, change the refresh rate to another. If the refresh rate of the PC graphicThe fixed image may become permanently imprinted on the screen. Use the Orbiter screen saver when possible. ResolutionHorizontal. Vertical. FrequencyKHz FrequencyHzHorizontal. FrequencyKHz FrequencyHzOperation. Screen Setup for PC modeAdjustment for screen Position, Clock, and PhaseCLOCK, or PHASE.Adjust Close. Initializing Reset to original factory valuesOwner's Manual 17Turning the TV On. Turning on the TV just after installationAt this moment, the TV is switched to standby mode.Turning on the TV power cord is still connectedFirst select your language.

From this point on, the onscreen menus will be shown in the selected language.English. Cinema. Espanol. Demo. Francais. ISM Method. Low PowerCaption Mode. Caption OptionAspect RatioSetup Menu Options. EZ Scan Channel SearchCable. Ch.EditSelect antenna input,Ch. LabelSelect DTV cable band,Select antenna input,Sub InputWatching the Overtheair, cable, and digital overtheair signals via antenna 1 input port. Watching the Overtheair, cable, and digital cable signals via antenna 1 input port. Watching the Overtheair, and cable signal via antenna 1 input port and the digital overtheair signal via antenna 2 input port. Watching the Overtheair, and cable signal via antenna 1 input port and the digital cable signal via antenna 2 input portChannel EditOnce a channel is highlighted, you will be able to see whether the channel isIt appears at the bottomleft corner of the screen. Use the SURF button on theEZ Scan.Ch.EditSelection G or leads youCh. LabelSub InputOwner's Manual 19DTV Signal StrengthThe higher the signal strength, the less likely you are to experience picture degradation.Channel Label SetupCh.EditCh. LabelSelection G or leads youSub InputMain Picture Source SelectionVideo1, Video2, Component1, Component2, RGBDTV or RGBPC, DVIDTVCh.EditAnalog. Ch. LabelVideo1. Video2. Sub Input. Component1V ideo Menu Options. EZ PictureSelect the preset value in the EZ Picture menu based on thePicture automatically changes to Off.Off your own settings, Day Light, Normal, Night Time, Movie, Video Game, and Sports.Manual Picture Control Off optionContrastVideo PresetColor Temperature ControlSet to warm to enhance hotterContrastBrightness. ColorTintWarm. Video Preset. MediumPrev. V ideo PresetContrastColorTintVideo PresetPrev. Owner's Manual 21Audio Menu Options. Audio LanguageEnglish. Spanish. EZ Sound. French. Treble. BassFrench. EZ SoundRite. BalanceAudio Language. Front Surround. TV SpeakerEZ SoundRiteSoundRite makes sure that the volume levelEZ SoundRiteOff. On.

BalanceBassTV SpeakerEZ SoundOff your own settings, Normal, Stadium, Theater, and Music.Audio Menu Options continued. Manual Sound Control Off optionEZ SoundRiteEZ Sound. BalanceAudio LanguageTV SpeakerEach time you press the SAP button, Mono. Stereo, or SAP appear in turn.Front SurroundSystem or SRS Sound Retrieval System TruSurround XT. Takes advantage of any multichannel format without needing to add extraDialog clarity, bass enrichment, and the addition ofEZ SoundRiteBalanceBassOff. TV SpeakerCreates a stunning simulated stereo effects from any mono sound and a realistic threedimensional sound with a very wide and deep sound stage intoOwner's Manual 23Feature turns the TV. Speakers option On or Off.EZ SoundRiteEZ Sound. BassTV SpeakerOnEZ SoundRiteEZ Sound. BalanceBassTV SpeakerOff. OnT ime Menu Options. Auto Clock SetupOff. Manual Clock. Off Timer. Time Zone Eastern. On TimerAuto OffManual Clock SetupManual ClockAuto ClockDateTimeAuto OffTimer function operates only if current time has been set. OffTimer function overrides OnTimer function if they are set both set to the same time. The TV must be in standby mode for the OnTimer to work. If you do not press any button within 2 hours after the TV turns on with the On Timer function, the TV will automatically revert toPress the G button and then use. Press the G button and then useManual ClockOn TimerOff. Auto Off. Time 6Owner's Manual 25Sleep TimerNote that this setting is cleared when the TV is turned off.First the Off option appears on the screen,The timer begins to countAuto Off. OffManual ClockOff Timer. Sleep Timer. Auto OffOnOption Menu Features. Aspect Ratio ControlWhen you receive an analog picture with a 43 aspect ratio on your 169 TV, you need to specify how the picture is to be displayed.You can also adjust Aspect Ratio in the OPTION menu.

Choose 43 when you want to view a picture with an original 43 aspect ratio, with black bars appearing at bothChoose 169 when you want to adjust the picture horizontally, in a linear proportion to fill the entire screen. Choose Horizon when you want to adjust the picture in a nonlinear proportion, that is, more enlarged at bothChoose Zoom 1 when you want to view the picture without any alteration. However, the top and bottom portionsChoose Zoom 2 when you want the picture to be altered, both horizontally extended and vertically cropped. TheChoose Cinema Zoom when you want to enlarge the picture in correct proportion. Note When enlarging orOwner's Manual 27CaptionCaption Mode. Analog Broadcasting System Captions. Select a caption mode for displaying captioning information if provided on a program. Analog caption displays information at any position on the screen usually the programs dialog. Text displays information, usually at the bottom position and is used for a data service, generally not program related. CC4, Text1, Text2, Text3, or Text4.Aspect RatioText 1. Text 2. Text 3. Low Power. Text 4Digital Broadcasting System CaptionsCaptionFrench. Low PowerEnglish. Language. CinemaOption Menu Features continued. Caption OptionSize Set the size the words will appear in. Font Select a typeface for the words. Text Color Choose a color for the text. Text Opacity Specify the opacity for the text color. Bg Background Color Select a background color. Bg Background Opacity Select the opacity for the background color. Edge Type Select an edge type. Edge Color Select a color for the edges. Aspect Ratio. Style. Custom. Caption. Size. A Standard. Font. Font 0. Caption Mode. Caption OptionText Opacity. CinemaLow PowerSolid. Bg Color. DemoBlack. Bg Opacity. Solid. Edge Type. None. Edge Color. Black. Prev.Cinema Mode SetupCaptionAspect Ratio. Caption OptionCinemaOn. Low PowerDemoCaption Mode. Caption OptionPress EXIT button to stop EZ. Demo or XD Demo. CaptionLanguage.

CinemaISM Method. EZ Demo. Low PowerOwner's Manual 29ISM Image Sticking Minimization MethodAvoid allowing any fixed image to remain on the TVs screenInversion, or White Wash.Aspect RatioCaption Option. If image sticking is never a problem, ISM is not necessary set to Normal. When image is stopped, screen light automatically get dark to prevent ghostOrbiter may help prevent ghost images. However, it is best not to allow anyTo avoid a permanent image on the. Inversion will automatically invert the plasma display panel color every 30 minutes. White Wash remove s permanent images from the screen. Note An excessiveCinemaISM MethodOrbiter. Inversion. White Wash. Prev.Low PowerAspect RatioCaptionCaption OptionCinemaISM MethodSplit Zoom DTV 720p, or 1080i mode onlyOff. OnLock Menu Options. Parental Control can be used to block specific channels, ratings and other viewing sources. The Parental Control Function VChip is used to block program viewing based on the ratings sent by the broadcasting station. The default setting is to allow all programs to be viewed. Viewing can be blocked by the type of program and by the categoriesIt is also possible to block all program viewing for a time period. To use this function, the following must beVChip rating and categories. Rating guidelines are provided by broadcasting stations. Most television programs and television movies can be blocked by TV. Movies that have been shown at the theaters or directtovideo movies use the Movie Rating. System MPAA only. Ratings for Movies previously shown in theaters. Movie RatingsIf you set PG13 G and PG movies will be available, PG13, R, NC17 and X will be blocked.

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