TOSHIBA

Toshiba 39L22U User Manual

Integrated high definition led television

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Troubleshooting

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1 Overview of Installation, Setup, and Use

2 Tv Front and Side Panel Controls and Connections

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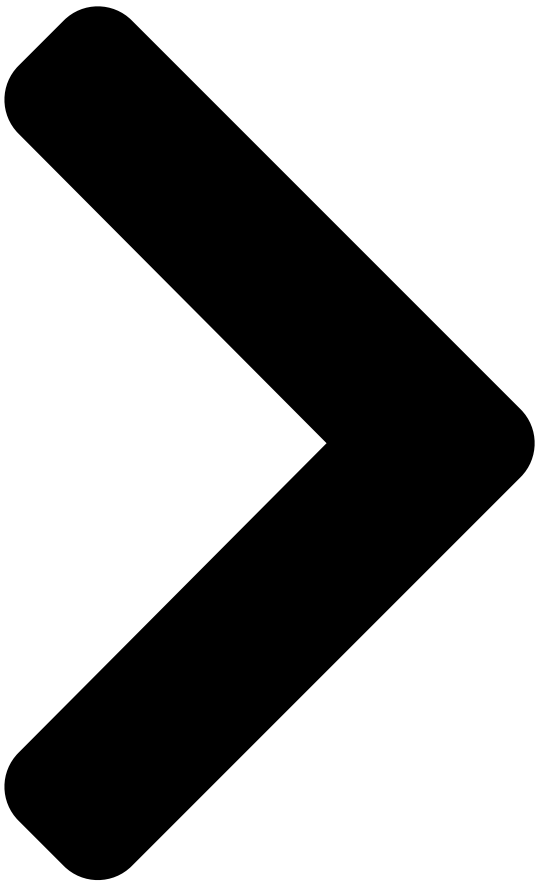

Integrated High Definition LED Television

TOSHIBA

Leading Innovation

39L22U

If you need assistance:

Toshiba's Support Web site
Call Toshiba Customer Support Center:
Within the United States at (800) 631-3811
Outside the United States at (949) 583-3050
For more information, see

Owner's Record

The model number and serial number are on the back and side of your TV. Record these numbers in the spaces below. Refer to these numbers whenever you communicate with your Toshiba dealer about this TV.

Model number: _____

Serial number: _____

Note: To display a high definition picture, the TV must be receiving a High Definition signal (such as an over-the-air High Definition digital cable program, or a High Definition Satellite program). For details, contact your TV antenna installer, cable provider, or satellite provider.

User's Guide:

support.toshiba.com

"Troubleshooting" on page 114
in this guide.

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Related Manuals for Toshiba 39L22U

HDTV Toshiba 39L22U Specification

Led hdtv (2 pages)

LED TV Toshiba 23L1350U Resource Manual

Integrated high definition led television (2 pages)

LED TV Toshiba 39L2300U User Manual

Integrated high definition led television (123 pages)

LED TV TOSHIBA 50L2300U User Manual

(123 pages)

LED TV Toshiba 23L2300U Resource Manual

Integrated high definition led television (2 pages)

LED TV Toshiba 39L4300UM User Manual

Integrated high definition led television (186 pages)

LED TV Toshiba 32L2300UM Resource Manual

Integrated high definition led television (2 pages)

LED TV TOSHIBA 65L7300U User Manual

(98 pages)

LED TV TOSHIBA 65L7300U User Manual

(90 pages)

LED TV Toshiba 32L4300UC User Manual

Integrated high definition led television (182 pages)

LED TV Toshiba 23L2300UC Resource Manual

Integrated high definition led television (2 pages)

LED TV Toshiba Esteem 399 User Manual

Low nox gas fired boiler (48 pages)

LED TV Toshiba 39L4300 Series Owner's Manual

With android (60 pages)

LED TV Toshiba 32L3300 Series Owner's Manual

(54 pages)

LED TV Toshiba 32P2300 Series Owner's Manual

(34 pages)

LED TV Toshiba 49L510U18 Manual

60hz led tv (81 pages)

Summary of Contents for Toshiba 39L22U

Page 1 The model number and serial number are on the back and side of your TV. Record these numbers in the spaces below. Refer to these numbers whenever you communicate with your Toshiba dealer about this TV. Model number: _____ Serial number: _____...

Page 2: Child Safety

Dear Customer, CHILD SAFETY: Thank you for purchasing this Toshiba LED TV. This manual will help you use the many exciting features of It Makes A Difference How and Where You Use Your Flat your new LED TV. Before operating your LED TV, Panel Display carefully read this manual

completely.

Page 3 glass and a toxic liquid. If the liquid comes in Important Safety Instructions contact with your mouth or eyes, or your skin is 1) Read these instructions. cut by broken glass, rinse the affected area 2) Keep these instructions. thoroughly with water and contact your doctor immediately.

Page 4 27) The product shall not be exposed to dripping or For better performance and safer operation of your splashing, and that no objects filled with liquids, TOSHIBA TV, follow these recommendations and such as vases, shall be placed on the apparatus. precautions:...

Page 5: Choosing Location For Led Tv

If these sounds become frequent or continuous, To Display your LED TV using a Wall Bracket: unplug the power cord and contact a Toshiba If you decide to wall mount your LED TV, always use a Authorized Service Provider.

Page 6 • Consult the dealer or an experienced radio/TV technician for help. Caution: Changes or modifications to this equipment not expressly approved by Toshiba could void the user's authority to operate this equipment.

Page 7 •Manufactured under license from Dolby LCD Display technology and are not an indication of Laboratories. Dolby ® and the double-D malfunction; therefore, Toshiba is not responsible for ® symbol are trademarks of Dolby Laboratories. perceived issues resulting from these symptoms.

Page 8 Systems, Inc. with all rights reserved. Under the copyright laws, this guide cannot be reproduced in any form without the prior written permission of Toshiba. No patent liability is assumed, however, with respect to the use of the information contained herein.

Page 9: Table Of Contents

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Page 10 Contents Connecting a Blu-ray™/DVD Player/Satellite receiver ® with ColorStream (component video), or a VCR .....25 ® Connecting an HDMI or DVI device to the ® HDMI input .....27 ® HDMI CEC connection.....29 Connecting a digital audio system .....30 Connecting an analog audio system .....32 Connecting a computer.....32 Connecting a computer to the TV's PC IN terminal.....32...

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Page 13 Contents ® Using HDMI CEC.....103 ® HDMI CEC playback device (DVD player, etc.) control .....104 ® Other HDMI CEC functions.....106 ® Setting up HDMI CEC.....107 Displaying TV status information .....107 Understanding the Last Mode Memory feature ..108 Chapter 7: Using the TV's Advanced Features .....109 Using the advanced picture settings .....109 Dynamic Contrast .....109 Static Gamma .....110...

Page 14 Contents Speaker type .....121 Video/audio terminals .....121 Video/audio input.....121 ® ColorStream (component video) HD input ..121 ® HDMI input .....121 Digital audio output.....122 PC input .....122 Dimensions (with stand).....122 Mass (weight with stand).....122 Operating conditions.....122 Supplied accessories .....122 ®

Acceptable signal formats for PC IN, HDMI ..122 PC IN signal formats .....122 ®...

Page 15: Chapter 1: Introduction

Chapter 1 Introduction Safety icons This manual contains safety instructions that must be observed to avoid potential hazards that could result in personal injuries, damage to your equipment, or loss of data. These safety cautions have been classified according to the seriousness of the risk, and icons highlight these instructions as follows: Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

Page 16: Features

Features Features The following are just a few of the many exciting features of your new Toshiba wide screen, integrated HD, LED TV: ❖ Integrated digital tuning (8VSB ATSC and QAM)— Eliminates the need for a separate digital converter set-top box (in most cases).

Page 17: Overview Of Installation, Setup, And Use

Place the TV far enough from walls and other objects to allow proper ventilation. Inadequate ventilation may cause overheating, which will damage the TV. THIS TYPE OF DAMAGE IS NOT COVERED UNDER THE TOSHIBA WARRANTY. Do not plug in any power cords until after you have connected all cables and devices to your TV.

Page 18: Tv Front And Side Panel Controls And Connections

Introduction TV front and side panel controls and connections Program channels into the TV's channel memory. See "Auto Tuning" on page For details on using the TV's features, see chapters 6 and 7. For help, refer to "Troubleshooting" on page 114.

Page 19: Tv Back Panel Connections

Introduction TV back panel connections INPUT—Changes the source you are viewing. Press it repeatedly to change from one source to the next. USB port—Accesses JPEG or MP3 files, or updates TV firmware. TV back panel connections For explanations of cable types and connections, see "Overview of cable types"...

Page 20

Introduction TV back panel connections ® ColorStream HD—High-resolution component video input and shared composite video input. See "Connecting a ® Blu-ray™/DVD Player/Satellite receiver with ColorStream (component video), or a VCR" on page NOTE Component/Standard (composite) video cables carry only video information;...

Page 21: Chapter 2: Connecting Your Tv

Chapter 2 Connecting Your TV Overview of cable types Before purchasing cables, know the connector types your devices require. You can purchase cables from most stores that sell audio/video devices. Coaxial (F-type) cable (Sample Illustration) Coaxial cable Coaxial (F-type) cable connects your antenna, cable TV service, and/or cable converter box to the ANT/CABLE input on your TV.

Page 22: Component Video Cables (Red/Green/Blue)

Component video cables come in sets of three and connect with ® video devices with component video output. (ColorStream Toshiba's brand of component video.) These cables are typically color-coded red, green, and blue. Separate audio cables are required for a complete connection.

Page 23: Optical Audio Cable

Connecting Your TV Overview of cable types Optical audio cable (Sample Illustration) Optical audio cable ® Optical audio cable connects receivers with Dolby Digital or PCM (pulse-code modulation) optical audio input to the TV's Digital Audio Out terminal. See "Connecting a digital audio system" on page Analog RGB (15-pin) computer cable (Sample Illustration) Analog RGB (15-pin) computer cable...

Page 24: Connecting A Vcr, Antenna, Cable Tv, Or Camcorder

Connecting Your TV Connecting a VCR, antenna, cable TV, or camcorder Connecting a VCR, antenna, cable TV, or camcorder (Sample Illustration) Connecting to a VCR, antenna, cable TV, or camcorder Items needed: ❖ Coaxial cables ❖ Standard AV cables If you have a mono VCR,

connect L/MONO on the TV to your VCR’s audio out terminal using the white audio cable only.

Page 25: (Component Video), Or A Vcr

Connecting Your TV Connecting a Blu-ray™/DVD Player/Satellite receiver with NOTE The unauthorized recording, use, distribution, or revision of television programs, videotapes, DVDs, and other materials is prohibited under the Copyright Laws of the United States and other countries, and may subject you to civil and criminal liability. Connecting a Blu-ray™/DVD Player/Satellite receiver with ®...

Page 26

Connecting Your TV Connecting a Blu-ray™/DVD Player/Satellite receiver with ❖ If your DVD player or satellite receiver does not have component video, connect a standard A/V cable to the AUDIO/VIDEO terminal. If your DVD player has ® ® HDMI video, see “Connecting an HDMI or DVI device ®...

Page 27: Connecting An Hdmi Or Dvi Device To The Hdmi Input

Connecting Your TV ® ® Connecting an HDMI or DVI device to the HDMI input ® ® Connecting an HDMI or DVI device to the HDMI input ® The HDMI input on your TV receives digital audio and ® uncompressed digital video from an HDMI source device, or uncompressed digital video from a DVI (Digital Visual Interface) source device.

Page 28

Connecting Your TV ® ® Connecting an HDMI or DVI device to the HDMI input ® To view the HDMI device video: Select HDMI 1 or HDMI 2 video input source on the TV. (Press the INPUT button on the remote control. For more information, see “Selecting the video input source”...

Page 29: Hdmi ® Cec Connection

Connecting Your TV ® HDMI CEC connection ® HDMI CEC connection You can control the basic functions of connected audio/video devices using the TV’s remote control if you connect a ® HDMI CEC-compatible audio receiver or playback device. The ® HDMI CEC Control feature uses CEC technology as regulated by ®...

Page 30: Connecting A Digital Audio System

Connecting Your TV Connecting a digital audio system ❖ This feature is limited to models incorporating Toshiba’s ® HDMI CEC. However, Toshiba is not liable for those operations. Refer to the individual instruction manuals for compatibility information. NOTE This feature may not work properly depending on the devices that are connected.

Page 31

Connecting Your TV Connecting a digital audio system Press the (/ arrow) buttons to highlight Audio Setup, and then press the ENTER button. (Sample Illustration) Sound menu - Audio Setup selection Press the (/ arrow) buttons to select Digital Output Format.

Page 32: Connecting An Analog Audio System

Connecting Your TV Connecting an analog audio system Connecting an analog audio system This connection allows you to use external speakers with an external analog audio amplifier to adjust the level. You will need standard audio cables. Dolby ® Digital decoder or TV back panel other digital audio system (Sample Illustration) Connecting an analog audio system...

Page 33

Connecting Your TV Connecting a computer To use a computer, set the monitor output resolution on the computer before connecting it to the TV. The supported signal formats are VGA, SVGA, XGA, WXGA and SXGA. For detailed signal specifications, see “Acceptable signal formats for PC IN, ®...

Page 34: Connection To The Tv's Hdmi

Connecting Your TV Connecting a computer ® Connection to the TV’s HDMI terminal When connecting a computer with a DVI terminal on the TV, use an ® HDMI -to-DVI adapter cable and analog audio cables. ® When connecting a computer with an HDMI terminal, use an ®...

Page 35: Chapter 3: Using The Remote Control

Chapter 3 Using the Remote Control Installing batteries To install batteries: Remove the battery cover from the back of the remote control. Squeeze tab and lift cover (Sample Illustration) Removing the remote back cover Insert two AAA batteries, corresponding to the (+) and (-)

markings on the battery compartment.

Page 36: Remote Control Effective Range

Using the Remote Control Remote control effective range NOTE ❖ Be sure to use AAA size batteries. ❖ Dispose of batteries in a designated disposal area. ❖ Always consider the environment when disposing of batteries. Always follow applicable laws and regulations. ❖...

Page 37: Learning About The Remote Control

Using the Remote Control Learning about the remote control Learning about the remote control The buttons used for operating the TV are described below. For the ® ® HDMI CEC remote control functions, see “HDMI CEC playback device (DVD player, etc.) control” on page 104.

Page 38 Using the Remote Control Learning about the remote control The POWER button turns the TV On/Off. When the TV is on, the power LED indicator on the TV front glows green. The PIC SIZE button cycles through the picture sizes. See “Selecting the picture size”...

Page 39 “Tuning channels using the Channel Browser” on page The MENU button accesses the main TV menu system. See “Navigating the menu system” on page The following key functions allow you to control Toshiba ® ® HDMI CEC-compatible devices via HDMI connection.

Page 40: Chapter 4: Menu Layout And Navigation

Chapter 4 Menu Layout and Navigation Main menu layout The tables below and on the following pages provide a quick overview of your TV’s menu system. To open the Installation menus (illustrated below), press MENU on the remote control or TV control panel.

Page 41 Menu Layout and Navigation Main menu layout Icon Item Option Preferences CC Selector Launches the temporary CC Selector Base CC Mode Off/CC1/CC2/CC3/CC4/T1/T2/T3/T4 Digital CC Settings Opens the Digital CC Setup menu Input Labeling Opens the Input Labeling menu AV Input Selects ColorStream HD/Video input Menu Language English/Français/Español...

Page 42: Setup/Installation Menu Layout

Menu Layout and Navigation Setup/Installation menu layout Setup/Installation menu layout The Installation menu contains the Terrestrial and System Status menus. To open the Installation menu, press the MENU button on the remote control or TV control panel, open the Setup menu, select Installation, and then press the ENTER button.

Page 43 Menu Layout and Navigation Navigating the menu system Press the ENTER button to save your menu settings or select a highlighted item. A highlighted menu item appears in a different color in the menu. All menus close automatically if you do not make a selection within approximately 60 seconds, except the signal meter menu, which closes automatically after a few minutes.

Page 44: Chapter 5: Setting Up Your Tv

Chapter 5 Setting up your TV Initial Setup When you first turn on or reset the TV, the Initial Setup window will appear. In the Menu Language field, press the (/ arrow) buttons to select your preferred language. Press the (/ arrow) buttons to select Time Zone Setup.

Page 45 Setting up your TV Initial Setup Menu language You can choose from three different menu language settings (English, Français, and Español) for the on-screen display of menus and messages. To select the menu language: Press the MENU button, open the Preferences menu, and then highlight Menu Language.

Page 46: Storing Channels In Memory (Optional)

Setting up your TV Storing channels in memory (optional) Open the Terrestrial menu, highlight Input Configuration, and then press the ENTER button. (Sample Illustration) Terrestrial menu - Input Configuration selection Highlight ANT/CABLE In and press the (/ arrow) buttons to select the input source (Cable or Antenna).

Page 47 Setting up your TV Storing channels in memory (optional) NOTE ❖ You must set up the ANT/CABLE input source before programming channels. See “ANT/CABLE IN” on page ❖ The automatic channel programming process will erase channels that were previously programmed

into the TV’s memory.

Page 48 Setting up your TV Storing channels in memory (optional) A new set of Installation menu icons appears. Open the Terrestrial menu, highlight Channel Program to open the Start Scan window, and then press the ENTER button to begin channel programming. (Sample Illustration) Terrestrial menu - Channel Program selection (Sample Illustration) Auto tuning program channels The TV will automatically cycle through all the antenna channels,...

Page 49: Setting Channel Skip

Setting up your TV Setting channel skip Setting channel skip To prevent a channel from being viewed, you can set it to be skipped. From the Setup menu, highlight Installation, and then press the ENTER button. Press the (/ arrow) buttons to select Channel Options, and then press the ENTER button.

Page 50: Setting The Av Input Mode

Setting up your TV Setting the AV input mode NOTE Skipped channels cannot be selected with the CH arrow buttons, however, they can be accessed using the number keys on the remote control. If an encrypted channel is accidentally added to the channel list while programming channels, you can remove the unwanted encrypted (non-viewable) channel while you are channel surfing.

Page 51: Viewing The Digital Signal Meter

Setting up your TV Viewing the digital signal meter Press the (/ arrow) buttons to select HDMI 1 Audio, and then press the (/ arrow) buttons to select the HDMI 1 audio mode (Auto, Digital, or Analog). (Auto is the recommended ®...

Page 52: Setting The Time Zone

Setting up your TV Setting the time zone To view the digital signal meter: Press the MENU button and open the Setup menu. Highlight Installation, and then press the ENTER button. A new set of Installation menu icons appears. Open the Terrestrial menu, highlight Signal Meter, and then press the ENTER button.

Page 53: Viewing The System Status

Setting up your TV Viewing the system status Viewing the system status Press the MENU button and open the Setup menu. Highlight Installation, and then press the ENTER button. A new set of Installation menu icons appears. Open the System Status menu, highlight System Information, and then press the ENTER button.

Page 54: Chapter 6: Using The Tv's Features

Chapter 6 Using the TV’s features Selecting the video input source To select the video input source to view: Press the INPUT button on the remote control or TV control panel. Do one of the following: ❖ Press 0-4. ❖ Repeatedly press the (/ arrow) buttons on the remote control, and then press the ENTER button to change the...

Page 55 Using the TV’s features Selecting the video input source The current signal source displays in the top right corner of the Input Selection screen. (Sample Illustration) Input Selection screen NOTE ❖ You can label the video input sources according to the specific devices you have connected to the TV.

Page 56: Labeling The Video Input Sources

Using the TV’s features Labeling the video input sources NOTE ❖ ® When you select HDMI CEC input sources from the pop-up ® window using the INPUT button, some HDMI CEC devices may automatically turn on. ❖ When selecting input sources using the (/ arrow) buttons, you will need to press the ENTER button to actually select a particular device from the pop-up window.

Page 57 Using the TV’s features Labeling the video input sources Highlight Input Labeling, and then press the ENTER button. AV Input ColorStream HD English HDMI-CEC Player Control (Sample Illustration) Preferences menu - Input Labeling selection Press the (/ arrow) buttons to highlight the video source you wish to label.

Page 58: Tuning Channels Using The Channel Browser

Using the TV’s features Tuning channels using the Channel Browser Input labeling example: The screen below left shows the default Input Selection screen (with none of the inputs labeled as a specific device). The screen below right is an example of how you can label the inputs if you ®...

Page 59: Favorites Browser

Using the TV’s features Tuning channels using the Channel Browser Favorites browser The Favorites Browser allows you to quickly set up a favorite channels/inputs list that is integrated into the Channel Browser. To add a favorite channel/input: Tune to the channel or input. Press and hold the FAV button for a few seconds.

Page 60: Elements Of The Channel Browser

Using the TV’s features Tuning channels using the Channel Browser Press the (arrow) button to highlight Inputs List, and then press the (/ arrow) buttons to select On or Off. Press the (arrow) button to highlight Favorites List, and then press the (/ arrow) buttons to select On or Off.

Page 61

Using the TV’s features Tuning channels using the Channel Browser Channel or input currently being viewed. Channel or input that is currently highlighted in the browser. Channels stored in the History List. To toggle among the available lists: After opening the Channel Browser, press the (/ arrow) buttons to toggle through the History, ANT/CABLE, Inputs, Favorites, or ®...

Page 62: Adding And Clearing Channels And Inputs In The History List

Using the TV’s features Tuning channels using the Channel Browser Adding and clearing channels and inputs in the History List As a channel or input is tuned, the Channel Browser adds it to the History List and displays it on the right side of the Channel Browser.

Page 63: Tuning To A Specific Channel (Programmed Or Unprogrammed)

Using the TV’s features Tuning channels using the Channel Browser Tuning to a specific channel (programmed or unprogrammed) To tune analog channels: Press the Channel Number (0–9) on the remote control. For example, to select channel 125, press 1, 2, 5, and then press the ENTER button.

Page 64: Selecting The Picture Size

Using the TV’s features Selecting the picture size Press and hold the CH RTN button for a few seconds until the message “Memorized” appears on the screen. The channel has been programmed to the CH RTN button. You can then change channels repeatedly, and when you press the CH RTN button, the memorized channel will be tuned.

Page 65: Full

Using the TV’s features Selecting the picture size To select the picture size using the menus: Select Picture Size in the Theater Settings menu. Press the (/ arrow) buttons to select the desired picture size setting. Highlight Done, and then press the ENTER button. NOTE Some of the picture sizes may not be available depending on the receiving signal format (those will be grayed out in the Picture Size...

Page 66: Theaterwide 1

Using the TV’s features Selecting the picture size The Full setting is for viewing in 1080i, 1080p, and 720p program source. (Sample Illustration) Picture size - Full The edges of the picture may be hidden. TheaterWide 1 This setting is for viewing in 4:3 format programs. (Sample Illustration) Picture size - TheaterWide 1 The center of the picture remains close to its original proportion, but the left and right edges are stretched horizontally to fill the...

Page 67: Theaterwide 3

Using the TV’s features Selecting the picture size TheaterWide 3 This setting is for viewing letter box programs with subtitles. (Sample Illustration) Picture size - TheaterWide 3, letter box with subtitles The picture’s top and bottom edges are hidden.* * To view the hidden areas (such as subtitles or captions), see ®...

Page 68: Normal

Using the TV’s features Selecting the picture size (Sample Illustration) Picture size - 4:3 Some program formats will display with sidebars and/or bars at the top and bottom. Normal This setting is for viewing VGA, SVGA, XGA, WXGA, and SXGA sources. (Sample Illustration) Picture size - Normal This size is a non-stretched display.

Page 69: Scrolling The Theaterwide Picture (Theaterwide 2 And 3 Only)

Using the TV’s features ® Scrolling the TheaterWide picture (TheaterWide 2 and 3 only) ® Scrolling the TheaterWide picture (TheaterWide 2 and 3 only) You can set separate scroll settings for the TheaterWide 2 and TheaterWide 3 modes for each input. To set the scroll settings: Press the MENU button and open the Picture menu.

Page 70: Using The Auto Aspect Feature

Using the TV’s features Using the Auto Aspect feature Using the Auto Aspect feature When this feature is set to On, the TV will automatically select the picture size when one of the following input sources is received: ❖ A 480i, 480p, 720p, 1080i digital signal from the ANT/CABLE input.

Page 71: Selecting The Cinema Mode

Using the TV’s features Selecting the Cinema Mode Selecting the Cinema Mode When you view a DVD (3:2 pulldown processed) from a DVD ® player connected to the VIDEO, ColorStream HD (component ® video), or HDMI inputs on the TV, smoother motion can be obtained by setting the Cinema Mode to Film.

Page 72: Adjusting The Picture

Using the TV’s features Adjusting the picture Adjusting the picture Selecting the picture mode You can select your desired picture settings from the modes described below. Mode: Description: Dynamic Bright and dynamic picture (factory setting) Standard Standard picture settings (factory setting) Movie Lower contrast for darkened room (factory setting) Designed for viewing of PC tables and documents...

Page 73: Adjusting The Picture Quality

Using the TV’s features Adjusting the picture Press the (/ arrow) buttons to select the picture mode you prefer, and then press the ENTER button. (Sample Illustration) Mode selections screen Adjusting the picture quality You can adjust the picture quality (Contrast, Backlight, DynaLight™, Brightness, Color, Tint, and Sharpness) to your personal preferences.

Page 74: Using Closed Captions

Using the TV’s features Using closed captions Press the (/ arrow) buttons to select the picture quality you wish to adjust (Contrast, Backlight, DynaLight, Brightness, Color, Tint, or Sharpness), and then press the (/ arrow) buttons to adjust the setting. To save the new settings, highlight Done, and then press the ENTER button.

Page 75: Digital Cc Settings

Using the TV’s features Using closed captions NOTE If the program or video you selected is not closed captioned, no captions will display onscreen. To view text, highlight T1, T2, T3, or T4. (Sample Illustration) Captions - text NOTE If text is not available in your area, a black rectangle may appear on screen.

Page 76: Cc Selector

Using the TV’s features Using closed captions Press the (/ arrow) buttons to highlight the characteristic you wish to change, and then press the (/ arrow) buttons to select the format for that characteristic. To save the new settings, highlight Done, and then press the ENTER button.

Page 77: Adjusting The Audio

Using the TV’s features Adjusting the audio Press the EXIT button. Adjusting the audio Muting the sound Press the MUTE button to partially reduce (1/2 Mute) or turn off (Mute) the sound. Each time you press the MUTE button, the mute mode changes in the following order: 1/2 Mute, Mute, Volume, 1/2 Mute, etc.

Page 78: Selecting Stereo/Sap Broadcasts

Using the TV’s features Adjusting the audio Highlight Digital Audio Selector, and then press the ENTER button. (Sample Illustration) Sound menu - Digital Audio Selector selection Press the (/ arrow) buttons to select Digital Audio, and then press the (/ arrow) buttons to select the desired service.

Page 79: Adjusting The Audio Quality

Using the TV’s features Adjusting the audio To listen to an alternate language on an ATSC digital station (if available), highlight the Language field in step 3 above, and then press the (/ arrow) buttons to select the language you prefer. To listen to a second audio program on an analog station, if available, select SAP in step 3...

Page 80: Audyssey ® Technologies

Using the TV’s features Adjusting the audio ® Audyssey technologies These televisions use the following technologies for better sound quality: ❖ ® Audyssey EQ —Provides clear, accurate and natural sound right out of the box. This technology ensures you enjoy your audio experience as much as your video.

Page 81: Selecting The Optical Audio Output Format

Using the TV’s features Adjusting the audio Selecting the optical audio output format You can select the optical audio output format when you connect a ® Dolby Digital decoder or other digital audio systems to the TV’s Optical Audio Out terminal (see “Connecting a digital audio system”...

Page 82: Using The Locks Menu

Using the TV’s features Using the Locks menu Using the Locks menu The Locks menu includes the Enable Rating Blocking, Edit Rating Limits, Input Lock, Panel Lock, GameTimer and New PIN Code features. You can use these features after entering the correct PIN code.

Page 83: Forgotten Pin Code

Using the TV’s features Using parental controls (for USA region) ❖ Highlight Retry, and then press the ENTER button. ❖ Enter the code again, and then press the ENTER button. When the correct PIN code is entered, the Locks menu opens. NOTE The PIN code cannot be set to “...

Page 84: Downloading An Additional Rating System

Using the TV’s features Using parental controls (for USA region) Enter your four-digit PIN code, and then press the ENTER button. Press the (arrow) button to highlight Enable Rating Blocking. Press the (arrow) button to select On, and then press the ENTER button.

Page 85

Using the TV’s features Using parental controls (for USA region) NOTE The currently tuned station must be receiving a digital signal before an additional rating system can be downloaded. To download the additional rating system, if available: Press the MENU button and highlight the Locks menu icon. Press the (arrow) button to display the PIN code entry screen.

Page 86: Rating System

❖ The additional rating system is not designed, transmitted, or controlled by the TV or Toshiba, nor is the availability of an additional rating system determined or controlled by Toshiba. Similarly, the rating of programs in an additional rating system is not determined, transmitted, or controlled by the TV or Toshiba.

Page 87: Displaying Ratings

Using the TV’s features Using parental controls (for USA region) Independent rating system for movies: Ratings: Description and Content themes: X-rated (For adults only.) NC-17 Not intended for anyone 17 and under. Restricted (Under 17 requires accompanying parent or adult.) PG-13 Parents Strongly Cautioned (Some material may be inappropriate for children under 13.)

Page 88: Blocking Tv Programs By Canadian Rating

Using the TV’s features Using parental controls (for USA region) Blocking TV programs by Canadian rating Press the MENU button, and then highlight the Locks menu icon. Press the (arrow) button to display the PIN code entry screen. Enter your four-digit PIN code, and then

press the ENTER button.

Page 89: Unlocking Programs Temporarily

Using the TV’s features Using the Input Lock feature Rating system for programs in French: Ratings: Description and Content themes: Exempt shows General programming 8 ans+ Not recommended for ages under 8 13 ans+ Not recommended for ages under 13 16 ans+ Not recommended for ages under 16 18 ans+...

Page 90: Locking Channels

Using the TV’s features Locking channels Enter your four-digit PIN code, and then press the ENTER button. Press the (arrow) button to highlight Input Lock, and then press the (arrow) button to select the level of video input locking you prefer.

Page 91: Using The Gametimer

Using the TV’s features Locking channels Press the ENTER button. PIN code entry will be required to set a locked channel. NOTE If the PIN code has not yet been set, a warning message appears. A check appears in the box. To remove the check, press the ENTER button.

Page 92: Using The Panel Lock Feature

Using the TV’s features Using the PC Settings feature Using the Panel Lock feature You can lock the control panel to prevent your settings from being changed accidentally (by children, for example). When Panel Lock is set to On, none of the controls on the control panel can operate except POWER.

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Using the TV’s features Using the PC Settings feature To adjust the PC settings: Repeatedly press the INPUT button to select PC Input mode. For instructions, see “Selecting the video input source” on page Press the MENU button and open the Setup menu. Press the (/ arrow) buttons to select PC Settings, and then press the ENTER button.

Page 94: Setting The Pc Audio

Using the TV’s features Using the PC Settings feature Mode: Description: Vertical Position Moves the picture up/down. The adjustment range is within ±10 from center.* Clock Phase Helps to reduce noise and sharpen the picture. The adjustment range is within ±16 from center.* Sampling Clocks Helps to reduce noise and minimize periodic vertical stripes on the screen.

Page 95: Using The Media Player

Do not use a USB Hub. ❖ You must obtain any required permission from copyright owners to use copyright content. Toshiba cannot and does not grant such permission. ❖ Depending on the file size and amount in your USB storage device, it may take some time to load before content is viewable.

Page 96: Auto Start Function

Using the TV’s features Using the Media Player Auto Start function When Auto Start is enabled, you will be asked if you want to start the Media Player when a USB device is inserted. If Auto Start is disabled, you must manually start the Media Player from the menu. To change the Auto Start setting: Press the MENU button, and then open the Setup menu.

Page 97: Viewing Photo Files

Using the TV’s features Using the Media Player Press the (arrow) button to select Media Player, and then press the ENTER button. Press the (/ arrow) buttons to highlight Photo or Music, and then press the ENTER button. (Sample Illustration) Media Player screen NOTE ❖...

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Using the TV’s features Using the Media Player in photo list when there are more photos than will fit on one screen. When you select a folder, press the ENTER button to move to the next layer, or press the CH RTN button to return to the previous layer.

Page 99: Playing Music Files

Using the TV’s features Using the Media Player Playing music files You can listen to music from a list of available files. (Sample Illustration) Media Player - music list After opening Media Player and selecting Music (see “To open the Media Player” on page 96) press the (/ arrow) buttons to

select a file or folder.

Page 100: Viewing Photo Files And Playing Music Files At The Same Time

Using the TV’s features Using the Media Player To set the repeat mode: Press the MENU button to open the Quick Menu. Press the (/ arrow) buttons to select Repeat. Press the (/ arrow) buttons to select Off, All, or 1. Press CH RETURN.

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Using the TV’s features Using the Media Player ❖ Increasing order New – From new to old according to the date and time when the picture was taken. Old – From old to new according to the date and time when the picture was taken.

Page 102: Setting The Sleep Timer

Using the TV’s features Setting the sleep timer Setting the sleep timer You can set the sleep timer to turn off the TV after a set length of time (maximum of 12 hours). To set the sleep timer using the remote control: Press the SLEEP button on the remote control to set the length of time until the TV turns off.

Page 103: No Signal Power Down

A warning message will appear 1 minute before the TV turns off. ® Using HDMI This is a new feature that uses CEC technology and allows you to ® control Toshiba HDMI CEC compatible devices from the TV ® ® remote via HDMI connection (see “HDMI...

Page 104: Hdmi ® Cec Playback Device (Dvd Player, Etc.) Control

Using the TV’s features ® Using HDMI ® HDMI CEC playback device (DVD player, etc.) control ® With your TV’s remote control, or using the HDMI CEC Player ® Control menu, you can control the connected HDMI playback device you are watching. Available remote control key functions Button: Description:...

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Using the TV’s features ® Using HDMI ® Highlight HDMI CEC Player Control, and then press the ENTER button. ® (Sample Illustration) Preferences menu - HDMI CEC Player Control Press the (/ arrow) buttons to select the item you wish to control, and then press the ENTER button.

Page 106: Other Hdmi Cec Functions

Using the TV’s features ® Using HDMI VOLUME and MUTE controls of Audio Receiver With your TV’s remote control, you can adjust or mute the sound volume of the Audio Receiver. ❖ VOL (+ –) buttons adjust the volume level. ❖...

Page 107: Setting Up Hdmi ® Cec

Using the TV’s features Displaying TV status information ® Setting up HDMI ® To set the HDMI CEC Setup: ® From the Setup menu, highlight HDMI CEC Setup and press the ENTER button. Press the (/ arrow) buttons to highlight Enable ®...

Page 108: Understanding The Last Mode Memory Feature

Using the TV’s features Understanding the Last Mode Memory feature ❖ Aspect ratio of incoming video signal (4:3 or 16:9) ❖ V-Chip rating status ❖ GameTimer (if set) To close the Recall screen, press the RECALL button again. To display TV status information using INFO, press the INFO button.

Page 109: Chapter 7: Using The Tv's Advanced Features

Chapter 7 Using the TV’s Advanced Features Using the advanced picture settings Dynamic Contrast Dynamic Contrast detects changes in picture quality that affect the appearance of your contrast settings, and then automatically adjusts the video. To select Dynamic Contrast preference: From the Picture menu, highlight Picture Settings, and then press the ENTER button.

Page 110: Static Gamma

Using the TV’s Advanced Features Using the advanced picture settings Press the (/ arrow) buttons to select High, Middle, Low, or Off. Static Gamma The static gamma feature lets you adjust the levels of black in the picture. To adjust the static gamma settings: Press the MENU

button, and open the Picture menu.

Page 111: Cableclear ® Digital Noise Reduction

Using the TV's Advanced Features Using the advanced picture settings To select the color temperature: Press the MENU button and open the Picture menu. Highlight Picture Settings, and then press the ENTER button. Highlight Advanced Picture Settings, and then press the ENTER button.

Page 112: Mpeg Noise Reduction

Using the TV's Advanced Features Using the advanced picture settings In the CableClear field, select the desired setting. The available selections are Off, Low, Middle, and High. Low, Middle, and High will reduce the noise in varying degrees, from lowest to highest, respectively. NOTE If the current input is ANT/CABLE or VIDEO, then the menu will ®...

Page 113

Using the TV's Advanced Features Using the advanced picture settings NOTE To use the Game Mode feature, the current video input must be ® Video, ColorStream HD, HDMI 1, or HDMI 2. The Game Mode cannot be turned on when any other video input (other than the above-mentioned) is selected.

Page 114: Chapter 8: Troubleshooting

Troubleshooting General troubleshooting Before calling a service technician, review this chapter or visit the Toshiba technical support Web site at support.toshiba.com possible causes and solutions for the problem you are experiencing. Before you begin to troubleshoot any problem, first unplug the TV from the AC wall outlet, wait approximately one minute, and then plug the TV back into the AC wall outlet.

Page 115: Picture Problems

Troubleshooting Picture problems Other problems. If your TV's problem is not addressed in this Troubleshooting section or the recommended solution has not worked, then use the Reset Factory Defaults procedure. For instructions, see "Resetting Factory Defaults" on page TV will not turn on. Ensure the power cord is plugged in properly, and then press the POWER button.

Page 116: Sound Problems

Troubleshooting Sound problems Video Input Selection problems. If the Input Selection window does not appear when you press INPUT on the remote control or TV, try pressing INPUT a second time. This will cause a change to the next video input source and will display the Input Selection window.

Page 117: Remote Control Problems

Troubleshooting Remote control problems If you hear no sound, try setting the MTS feature to Stereo mode. "Selecting stereo/SAP broadcasts" on page If you are not receiving a second audio program from a known SAP source, make sure the MTS feature is set to SAP mode. See "Selecting stereo/SAP broadcasts"...

Page 118: Closed Caption Problems

"Using parental controls (for USA region)" on page ® No HDMI CEC operation ® ® The HDMI CEC feature is available for Toshiba HDMI CEC- compatible devices. ® Ensure that HDMI cables with the ( ) logo are used. ®...

Page 119: Hdmi ® Problems

Media Player" on page If the problem persists after trying the solutions Contact Toshiba at: Toshiba's Support Web site: support.toshiba.com. For technical support, call the Toshiba Customer Support Center: Within the United States, at 800-631-3811 Outside the United States, at 949-583-3050...

Page 120: Appendix A: Specifications

Appendix A Specifications NOTE ❖ These models comply with the specifications listed below. ❖ Designs and specifications are subject to change without notice. ❖ These models may not be compatible with features and/or specifications that may be added in the future. Television system NTSC standard ATSC standard...

Page 121: Power Source

Specifications Power source Power source 120V AC, 60 Hz Power maximum current 39L22U 1.3A Power consumption 39L22U 0.2W in standby mode Audio power 39L22U 7W + 6 Speaker type 39L22U Two 5.98" x 1.57" x 1.42" (152mm x 40mm x 36mm) Video/audio terminals Video/audio input Video...

Page 122: Digital Audio Output

Specifications Dimensions (with stand) Digital audio output Optical type PC input 15-Pin D-sub Analog RGB Dimensions (with stand) Width 34.9" (886mm) 39L22U Height 22.3" (566mm) Depth 7.9" (200mm) Mass (weight with stand) 39L22U 16.5 lbs (7.5 kg) Operating conditions Temperature 32 - 95º...

Page 123: Hdmi ® Signal Formats

Specifications ® Acceptable signal formats for PC IN, HDMI Format Resolution V. Frequency H. Frequency Pixel Clock Frequency 640 x 480 59.940 Hz 31.469 kHz 25.175 MHz SVGA 800 x 600 60.317 Hz 37.879 kHz 40.000 MHz 1024 x 768 60.004 Hz 48.363 kHz 65.000 MHz...

Page 124: Appendix B: License Agreement

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