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You can read the recommendations in the user guide, the technical guide or the installation guide for YAMAHA YSP-5100. You'll find the answers to all your questions on the YAMAHA YSP-5100 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual YAMAHA YSP-5100
User guide YAMAHA YSP-5100
Operating instructions YAMAHA YSP-5100
Instructions for use YAMAHA YSP-5100
Instruction manual YAMAHA YSP-5100



English
for Europe, Asia, Africa, Oceania,
and Latin America



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Manual abstract:

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© 1996-2007 DTS, Inc. All Rights Reserved. About this manual · Make sure you read precautions in "Safety and Accessory Information" (separate booklet) carefully before using this unit. · This manual describes how to connect and operate this unit. For details regarding the operation of external components, refer to the supplied owner's manual for each component.

· Operations in this manual use keys on the supplied remote control of this unit unless otherwise specified. · y indicates a tip for your operation. · An illustration of the remote control in the left pages of this manual indicates the keys to be used in two facing (left and right) pages. · This manual is produced prior to production. Designs and specifications are subject to change in part as a result of improvements, etc. In case of differences between the manual and the product, the product has priority. 2 En INTRODUCTION CONTENTS INTRODUCTION Features....

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The Digital Sound Projector technology allows one slim unit to control and steer multiple channels of sound to generate multichannel surround sound, thus eliminates the need for satellite loudspeakers and cabling normally associated with conventional surround sound systems. This unit also employs the beam modes that let you enjoy the surround sound (5 Beam, Stereo+3 Beam, 3 Beam for 5.1-channel audio, 5 Beam plus 2, Stereo + 3 Beam plus 2, 3 Beam for 7.1-channel audio) and 2-channel stereo playback. HDMI (High-Definition Multimedia Interface) HDMI input x 4, HDMI output x 1 HDMI interface for standard, enhanced, or high-definition video (including 1080p video signal transmission) as well as multi-channel digital audio based on HDCP Automatic audio and video synchronization (lip sync) information capability Deep Color video signal transmission capability "x.v.Color" video signal transmission capability High definition digital audio format signals capability Multi-channel Linear PCM signal capability Simple and easy connections with HDMI supported external components Functional link which enables the remote control of your TV to control this unit (with an HDMI control-compatible TV) Power mode switch capability (on/standby) Volume adjustment capability TV sounds reproduce device selection capability (this unit/TV) Wireless connection (AirWired) Wireless connection with iPod/iPhone, using Yamaha wireless transmitter for iPod (PDX-50TX/PDX-50BC) Wireless connection with subwoofer, using Yamaha wireless subwoofer kit (SWK-W10) (not available in some countries) iPod/iPhone interlock feature to turn on/off this unit or switch the input source in conjunction with iPod/iPhone operations Versatile Remote Control The supplied remote control comes with preset remote control codes used to control external components connected to this unit. AUTO SETUP (IntelliBeam) This unit employs the automatic sound beam and acoustic optimization technology with the aid of the supplied IntelliBeam microphone. You can avoid troublesome listening-based speaker setup and achieve highly accurate sound beam adjustments that best match your listening environment.

Cinema DSP This unit employs the Cinema DSP technology developed by Yamaha Electronics Corp. that lets you experience movies at home with all the original dramatic sound impact. UniVolume This unit employs the automatic volume adjustment function. You can limit the volume level of the TV so that it will not increase suddenly when whenever the contents being broadcast change (due to commercials, etc.

). Various digital audio decoders includes newly added HD audio decoder, and sound technologies Dolby TrueHD, Dolby Digital Plus, Dolby digital Surround EX, Dolby Digital, Dolby Pro Logic, Pro Logic II, Pro Logic IIX DTS-HD Master Audio, DTS-HD High Resolution Audio, DTS 96/24, DTS-ES, DTS, DTS-ES (discrete and matrix), DTS Neo: 6 Music Enhancer to improve the sound quality of compression artifacts such as the MP3 format Bass Extension to produce powerful bass sounds Sophisticated FM tuner 40-station random and direct preset tuning Automatic preset tuning Radio Data System (Europe model only) This unit employs the Radio Data System that is a data transmission system used by FM stations.



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4 En INTRODUCTION General operation flow 1 Install this unit and connect to other components. "Installation" (page 10), "Connections" (page 12). PREPARATION 2 Run AUTO SETUP to optimize the beam and sound settings. "AUTO SETUP (IntelliBeam)" (page 15). 3 Play back a source. "Playback" (page 21). PLAYBACK FEATURES 4 Change the playback method (surround/stereo), CINEMA DSP and/or beam modes settings. "Playback mode" (page 22).

5 Configure this unit's settings and/or set remote control codes. "Customizing this unit (SET MENU)" (page 30), "Controlling external components" (page 39). SETTINGS APPENDIX 5 En Controls and functions Front panel 12 4 5 3 6 7 INPUT VOLUME INTELLIBEAM MIC 1 Remote control sensor Receives infrared signals from the remote control (page 14). 2 Power LED Lights up when the power is turned on (page 21). 3 Front panel display Shows information about the operational status of this unit (page 7). 4 INPUT Press repeatedly to switch between input sources. 5 VOLUME +/- Controls the volume level of all audio channels. Control range: MIN (minimum), 01 to 99, MAX (maximum) 6 Power (p) key Turns on the power of this unit or sets it to the standby mode (page 21). Note - In the standby mode, this unit consumes a small amount of power in order to receive infrared signals from the remote control or to search for HDMI signals. 7 INTELLIBEAM MIC jack Connect the supplied IntelliBeam microphone for AUTO SETUP (page 15).

6 En INTRODUCTION Front 2. G Cursor (///) keys, ENTER Select and adjust menu items. H TOP MENU Displays the top menu of a Blu-ray disc or DVD (page 39). H MENU Displays the menu of a Blu-ray disc or DVD (page 39). I OPTION Displays the option menu (page 28). The remote control turns to setting mode (ISETUP lights up). I SETUP Displays the SETUP menu (page 30). Press and hold to directly enter the LANGUAGE SETUP menu (page 15). Lights up when the remote control is turned into the setting mode of the main unit. I RETURN Returns to the previous menu screen (page 31).

J CH / Changes the channels of your TV/recorder (page 39). K VOLUME +/- Increase enough to support the weight of both this unit and your TV. When this unit is installed above your TV YSP-4100 (mm) TV 18 107 (mm) This unit Using a table top stand or a floor stand You can mount both your TV and this unit on a commercially available table top stand or floor stand. When this unit is installed under your TV 10 En Ideal installation condition : Object such as furniture INTRODUCTION Parallel installation (with 5 Beam) Corner installation (with Stereo+3Beam) 40° to 50° PREPARATION For better listening environment Example 1 Install this unit as close to the exact center of the wall as possible. PLAYBACK FEATURES Example 2 Install this unit so that the sound beams can be reflected off the walls. SETTINGS Example 3 Install this unit as close to the exact front of your normal listening position as possible.

APPENDIX 11 En Connections Before connecting components Cables used for connections The symbols on the left of cable names (such as , , and) correspond with the symbols described in "Connecting your TV and Blu-ray disc player" (page 12) and "Connecting audio video components" (page 13). For audio and video HDMI cable Component video pin cable Information on HDMI An HDMI cable can transmit both audio and video signals at the same time. If your TV and other components have HDMI jacks, use HDMI cables for simpler and easier connections. See also: "Using the HDMI control function" (page 28), "INPUT MENU" (page 35) Input source Audio signal type Dolby Digital, Dolby Digital Plus, Dolby TrueHD, DTS, DTS-HD High Resolution Audio, DTS-HD Master Audio, 2-channel PCM, multi-channel PCM Dolby Digital, DTS, 2-channel PCM, multi-channel PCM 2-channel PCM, multi-channel PCM For audio Audio pin cable (supplied) Blu-ray disc HD DVD DVD video DVD audio Optical cable (supplied) y · This unit automatically converts input video signals and outputs the signals from the HDMI OUT jack.

· The HDMI of this unit supports High-Bandwidth Digital Content Protection (HDCP), · We recommend that you use an HDMI cable shorter than 5 m (16 ft) with the HDMI logo printed on it. Digital audio pin cable (supplied) Priority order for audio input signals For video Video pin cable (supplied) When digital and analog audio signals are simultaneously input from a single source component, this unit plays back digital audio signals by priority. For example, if audio signals are input to the DIGITAL IN (AUX 1) and AUDIO IN (AUX 1) jacks simultaneously, this unit plays back audio signals input to the DIGITAL IN (AUX 1) jack when "AUX1" is selected as the input source. Connecting external components Connect external components (TV, Blu-ray disc player, etc.) to this unit. Do not plug the power supply cable into an AC wall outlet until all connections are complete. Connecting your TV and Blu-ray disc player The following connection example shows a way to connect your TV and Blu-ray disc player by using the HDMI jacks. When you connect them by using the other jacks, refer to "Connecting audio and video components" (page 13). The symbols beside the cables correspond with the symbols described in "Cables used for connections" (page 12). TV Blu-ray disc player OUT HDMI output HDMI IN 1 1.

Pull out the cap (if attached) Optical digital output HDMI input IN 2 IN 3 IN 4 2. Check the direction AUX 2 AUX 1 TV DIGITAL IN Power cable to AC wall outlet 12 En Connecting audio and video components Determine the connection types depending on the jacks available on this unit and your external components. The symbols in the following table correspond with the symbols described in "Cables used for connections" (page 12). HDMI IN 1 INTRODUCTION IN 2 COMPONENT PR VIDEO IN SUB WOOFER L VIDEO OUT IN 3 PB Y L R TV AUX 2 AUX 1 TV SYSTEM CONNECTOR R AUX 1 IN 4 VIDEO AUDIO IN DIGITAL IN IR IN RS-232C PREPARATION VIDEO AUDIO IN DIGITAL IN VIDEO IN/OUT jacks AUDIO IN jacks DIGITAL IN jacks HDMI IN jacks Jacks to use External component TV Signal type On external component Video Audio External component with HDMI output External component with component video output Audio/video Audio Video Audio Composite video input Analog audio output HDMI output Coaxial digital output Component video output Optical digital output Analog audio output Video Composite video output On this unit VIDEO OUT AUDIO IN (TV) HDMI IN 1-4 DIGITAL IN (AUX 2) VIDEO IN (COMPONENT) DIGITAL IN (AUX 1) AUDIO IN (AUX 1) VIDEO IN (VIDEO) Cable to use Input selection key TV PLAYBACK FEATURES HDMI 1-4 AUX2 External component with composite video output AUX1 y · Video signals input from the VIDEO IN (VIDEO) jack can be output not only to the VIDEO OUT jack but also the HDMI OUT jack.



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Video signals input from the VIDEO IN (COMPONENT) jacks are output to the HDMI OUT jack.

Connecting a subwoofer Wireline connection Connect the monaural input jack on your subwoofer to the SUBWOOFER jack on this unit. SUB WOOFER SYSTEM CONNECTOR Wireless connection You can make a wireless connection of your subwoofer by using the Yamaha wireless subwoofer kit (SWK-W10). About SWK-W10, refer to "Safety and Accessory Information" (separate booklet). See also: "WIRELESS SETUP" (page 36) SETTINGS OUT AUX 1 TV AUX 2 AUX 1 TV AUDIO IN DIGITAL IN IR IN RS-232C INPUT VOLUME INTELLIBEAM MIC Subwoofer SWK-W10 Monaural input System connector y · For proper transmission, you need to set the group IDs of this unit and SWK-W10 to the same value. For the Group ID settings, refer to "Group ID" (page 36) and "Safety and Accessory Information (separate booklet)".

APPENDIX y · If the subwoofer is connected by using a system type connection, changing the power mode of this unit controls the power mode of the subwoofer (Yamaha subwoofer). Note · Be sure to use the product only in the country in where it was purchased. 13 En Connecting the FM antenna Connect the supplied FM antenna or your antenna to the FM ANTENNA jack on this unit. TV AV Antenna AUX 2 HDMI 3 TV AUX 1 HDMI 1 HDMI 2 HDMI 4 MOVIE MUSIC iPod ENTER TAINMENT FM OFF CINEMA DSP SURROUND STEREO ENTER G MENU FM ANTENNA TOP MENU OPTION SETUP RETURN I TV VOL CH VOLUME Preparing the remote control Note · Before installing batteries or using the remote control, make sure that you read precautions on the remote control and batteries in "Safety and Accessory Information" (separate booklet). TV MUTE TV INPUT MUTE UNIVOLUME SUR. DECODE INTELLIBEAM 1 4 7 0 CODE SET 2 5 8 +10 3 6 9 ENT Operation range of the remote control The remote control transmits a directional infrared beam. Use the remote control within 6 m (20 ft) of this unit and point it toward the remote control sensor of this unit during operation. Installing batteries in the remote control TUNING PRESET INFO MEMORY SLEEP Pull and hold INPUT VOLUME INTELLIBEAM MIC Within 6m (20ft) 30° 30° 1 2 Pull and hold the tab on the battery cover and then open the cover. Insert the two supplied batteries (R03P, UM4, AAA) into the battery compartment. Make sure you insert the batteries according to the polarity markings (+/-).

Close the battery cover. 3 GENTER G / ISETUP 14 En INTRODUCTION Changing OSD language You can select an OSD language among English, German, French, Spanish, Italian, Dutch and Russian. Before operating the following steps, select this unit as the video input on your TV. 1 Press and hold ISETUP until the "LANGUAGE SETUP" menu appears on your TV. 2 Press G / to select the desired language and then press GENTER. Changing OSD language AUTO SETUP (IntelliBeam) Using the system memory 3)LANGUAGE SETUP · ENGLISH DEUTSCH Francais ESPANOL ITALIANO NEDERLANDS []/[]:Up/Down [ENTER]:Enter Choices: ENGLISH (English), DEUTSCH (German), Français (French), ESPAÑOL (Spanish), ITALIANO (Italian), NEDERLANDS (Dutch), (Russian) Initial setting: ENGLISH (English) PREPARATION 3 To exit from the menu, press ISETUP. This unit creates a sound field by reflecting sound beams off the walls of your listening room and by broadening the cohesion of all the channels. Just as you would arrange the speaker position of other audio systems, you need to set the beam angle to enjoy the best possible sound from this unit. Notes · After you have completed the AUTO SETUP procedure, be sure to disconnect the IntelliBeam microphone.

· The IntelliBeam microphone is sensitive to heat. Keep the IntelliBeam microphone away from direct sunlight. Do not place the IntelliBeam microphone on top of this unit. · You cannot use the AUTO SETUP when "PREOUT" is selected in "SOUND OUT" (page 35). · You cannot run the AUTO SETUP while playing back the iPod/iPhone by using PDX-50TX.

To run the AUTO SETUP, stop playback and then disconnect the iPod/iPhone from PDX-50TX. About PDX-50TX, refer to "Safety and Accessory Information" (separate booklet). Installing the IntelliBeam microphone Follow the procedure below to connect the IntelliBeam microphone to this unit and place it in a proper location. p p AUTO SETUP (IntelliBeam) PLAYBACK FEATURES y · Use the supplied cardboard microphone stand or a tripod to place the IntelliBeam microphone at the same height as your ears would be when you are seated. IntelliBeam microphone Upper limit Center height of this unit Within 1 m (3.

3 ft) Within 1 m (3.3 ft) 1 Connect the supplied IntelliBeam microphone to the INTELLIBEAM MIC jack on the front panel. Cardboard microphone stand 1.8 m (6.0 ft) or more INPUT VOLUME INTELLIBEAM MIC SETTINGS Listening position Lower limit INTELLIBEAM MIC 2 Place the IntelliBeam microphone on a flat level surface at your normal listening position. Place the IntelliBeam microphone on the extended center line of this unit and 1.8 m (6.0 ft) or more away from it. Also, make sure place the IntelliBeam microphone within 1 m (3.3 ft) upper or lower from the center height of this unit.

APPENDIX Center line Cardboard microphone stand IntelliBeam microphone 15 En Assembling the supplied cardboard microphone stand "BEAM OPTIMZ ONLY" (Beam optimization only) Use to optimize the beam angle so that the parameter best matches your listening environment. This menu takes about one minute. "SOUND OPTIMZ ONLY" TV AV 1 AUX 2 HDMI 3 FM OFF 2 Remove Fit in TV AUX 1 HDMI 1 HDMI 2 HDMI 4 MOVIE MUSIC iPod ENTER TAINMENT CINEMA DSP SURROUND STEREO ENTER G MENU TOP MENU OPTION SETUP RETURN I TV VOL CH VOLUME 3 TV MUTE TV INPUT MUTE UNIVOLUME SUR. DECODE INTELLIBEAM Fit in 4 Place horizontally M (Sound optimization only) Use to optimize the beam delay, volume, and quality so that the parameters best match your listening environment. You must optimize the beam angle with "BEAM OPTIMZ ONLY" before starting "SOUND OPTIMZ ONLY". It is recommended that you should select this optimization feature in the following cases: · If you have opened or closed the curtains in your listening room before using this unit · If you have manually set the beam angle. This menu takes about three minutes. Notes 1 4 7 0 CODE SET 2 5 8 +10 3 6 9 ENT 5 TUNING PRESET Run through SLEEP INFO MEMORY y · If a subwoofer with adjustable volume and crossover frequency controls is connected to this unit, turn it on, set the volume to about half way and then set the crossover frequency to the maximum as shown below.



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VOLUME CROSSOVER HIGH CUT · It is normal for loud test tones to be output during the AUTO SETUP procedure. Make sure that there are no children around in the listening room while the AUTO SETUP procedure is in progress.

· Make sure that your listening room is as quiet as possible. For accurate measurement, turn off air conditioner or other devices that make noises. · To achieve the best results possible, vacate your listening room until the AUTO SETUP procedure is completed so that you may not obstruct the path of sound beams. · If there are curtains in your listening room, we recommend following the procedure below. 1. Open the curtains to improve sound reflection. 2. Run "BEAM OPTIMZ ONLY". 3. Close the curtains.

4. Run "SOUND OPTIMZ ONLY". y · To return to the previous screen while using SET MENU, press IRETURN. 1 Press ISETUP. The remote control keys to be used and available operations in each step are displayed at the bottom of the screen. MIN MAX MIN MAX Subwoofer SET MENU Using AUTO SETUP (IntelliBeam) You can select one of the following AUTO SETUP types depending on your purpose. "BEAM+SOUND OPTIMZ" (Beam optimization and sound optimization) Use to optimize the beam angle, delay, volume, and quality so that the parameters best match your listening environment. It is recommended that you should select this optimization feature in the following cases: · If you make settings for the first time · If the unit has been relocated · If your listening room has been restructured · If the objects in your listening room (furniture, etc.) have been rearranged This menu takes about three minutes. y · You can also start the "BEAM+SOUND OPTIMZ" procedure simply by holding down MINTELLIBEAM for more than two seconds.

In this case, proceed to step 4. ·;MEMORY ;AUTO SETUP ;MANUAL SETUP ;SOUND SET MENU ;SOUND OUT MENU ;INPUT MENU ;DISPLAY MENU []/[]:Up/Down [ENTER]:Enter p p GENTER G / IRETURN ISETUP MINTELLIBEAM 16 En INTRODUCTION 2 Press G / to select "AUTO SETUP" and then press GENTER. y · If "ENVIRONMENT CHECK [FAILED]" is displayed, refer to "Error messages for AUTO SETUP" (page 18), press IRETURN, and then run the AUTO SETUP procedure again. · If "SUBWOOFER :NOT APPLICABLE" is displayed even though a subwoofer is connected to this unit and turned on, check the connection and then increase the volume level of the subwoofer and run the AUTO SETUP procedure again. · Depending on the environment of your listening room, the beam angles of front right and left and surround left and right may be set to the same value even if "BEAM MODE :5 BEAM" is displayed as a result. B)AUTO SETUP 1)BEAM+SOUND OPTIMZ 2)BEAM OPTIMZ ONLY 3)SOUND OPTIMZ ONLY []/[]:Up/Down [ENTER]:Enter Changing OSD language AUTO SETUP (IntelliBeam) Using the system memory PREPARATION p p 3 Press G / to select "BEAM+SOUND OPTIMZ", "BEAM OPTIMZ ONLY" or "SOUND OPTIMZ ONLY" and then press GENTER. 6 Press GENTER to confirm the results. The menu screen disappears in two seconds. AUTO SETUP PREPARATION & CHECK Please connect the MIC.

Please place the MIC at least 1.8m/6ft away from the unit. The MIC should be set at ear level when seated. Measurement takes about 3min. After [ENTER] is pressed, please leave the room.

[ENTER]:Start [RETURN]:Cancel AUTO SETUP COMPLETE Please remove the MIC from the unit and the listening position. PLAYBACK FEATURES 4 Prepare to leave the room. The best setting may not be done if you are in the room. Prepare to leave the room in 10 seconds after pressing GENTER in step 5. y · Wait outside the room during the AUTO SETUP procedure.

· The AUTO SETUP procedure takes about 3 minutes. · To cancel the AUTO SETUP procedure after it is started, press IRETURN. y · If you do not want to reflect the results, press IRETURN. 7 Disconnect the IntelliBeam microphone. INPUT VOLUME INTELLIBEAM MIC 5 Press GENTER to start the AUTO SETUP procedure and then leave the room within 10 seconds. AUTO SETUP START Will begin in 10sec Please leave the room *-----[RETURN]:Cancel The measurement results are stored in the internal memory of this unit until you run the AUTO SETUP procedure again or configure the settings manually. SETTINGS The setup screen automatically changes during the AUTO SETUP procedure. If an error occurs, an error buzzer sounds and an error message is displayed. For details on error messages, see "Error messages for AUTO SETUP" (page 18). If the AUTO SETUP procedure is complete, this unit rings the chimes.

XXXXXXXXXXSHOW RESULTXXXXXXXXXX MEASUREMENT COMPLETE BEAM MODE :5Beam/Plus2 SUBWOOFER :YES APPENDIX [ENTER]:Save set-up. [RETURN]:Do not save set-up. 17 En Error messages for AUTO SETUP If an error message is displayed on your TV, check the error message list to solve the problem and then follow the procedure below. [ERROR E-1]: Press GENTER to run the AUTO SETUP procedure again or IRETURN to cancel the operation Other errors: Press IRETURN to cancel the operation and then run the AUTO SETUP procedure again. Note If the problem is difficult to be solved, configure the settings manually in "MANUAL SETUP" (page 31). Error message ERROR E-1 Please test in quieter environment. TV AV TV AUX 1 AUX 2 HDMI 1 HDMI 2 HDMI 3 HDMI 4 MOVIE MUSIC iPod ENTER TAINMENT FM OFF CINEMA DSP SURROUND STEREO ENTER G MENU Cause There is too much unwanted noise in your listening room. Remedy Make sure that your listening room is as quiet as possible. You may want to choose certain hours during the day when there is not much noise coming from outside. Connect the IntelliBeam microphone to this unit firmly.

Do not perform any other operations while the AUTO SETUP procedure is in progress. Make sure that the IntelliBeam microphone is installed in front of this unit. Make sure that the IntelliBeam microphone is installed more than 1.8 m (6.0 ft) from the front of this unit and within 1 m (3.

3 ft) from the center height of this unit. Make sure that the IntelliBeam microphone is firmly connected to this unit and placed in a proper location. If the problem persists, contact the nearest authorized Yamaha service center for assistance. Repeat the AUTO SETUP procedure. See page -- TOP MENU OPTION SETUP RETURN I TV VOL CH VOLUME TV MUTE TV INPUT MUTE UNIVOLUME SUR.

DECODE INTELLIBEAM ERROR E-2 No MIC detected. Please check MIC connection and re-try. ERROR E-3 Unexpected control is detected. Please re-try. ERROR E-4 Please check MIC position. MIC should be set in front of the unit and re-try. The IntelliBeam microphone is not connected to this unit or disconnected during the AUTO SETUP procedure.



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Some other operations were performed on this unit while the AUTO SETUP procedure was in progress. The IntelliBeam microphone is not placed in front of this unit. 15 1 4 7 0 CODE SET 2 5 8 +10 3 6 9 ENT -- 15 TUNING PRESET INFO MEMORY SLEEP ERROR E-5 Please check MIC position.

MIC should be set above 1.8m/6.0ft and re-try. ERROR E-6 Volume level is lower than expected. Please check MIC position/connection and re-try. The IntelliBeam microphone is not placed in the right distance from this unit. 15 The IntelliBeam microphone cannot collect the sound produced by this unit because the sound output level is too low. 15 ERROR E-7 Unexpected error happened. Please re-try. An internal system error occurred.

-- GENTER G / IRETURN ISETUP 18 En INTRODUCTION Using the system memory You can save the current beam and sound settings in the system memory of this unit. It is handy to save certain settings according to the varying conditions of your listening environment. For example, if there are curtains in the path of sound beams, the effectiveness of the sound beams will vary depending on whether the curtains are open or closed. y · If there are curtains in your listening room, we recommend following the procedure below. 1.

While the curtains are open, run "BEAM+SOUND OPTIMZ" (page 16) and then save the settings to "MEMORY1". 2. While the curtains are closed, run "SOUND OPTIMZ ONLY" (page 16) and then save the settings to "MEMORY2". Changing OSD language AUTO SETUP (IntelliBeam) Using the system memory PREPARATION Saving settings 1 Press ISETUP. 5 Press GENTER.

The current beam and sound settings are saved to the selected memory number. SET MENU . ;MEMORY ;AUTO SETUP ;MANUAL SETUP ;SOUND SET MENU ;SOUND OUT MENU ;INPUT MENU ;DISPLAY MENU []/[]:Up/Down [ENTER]:Enter 2)MEMORY SAVE MEMORY1 Saving... p p PLAYBACK FEATURES 2 Press GENTER. Loading settings A)MEMORY 1)LOAD 2)SAVE 1 Press ISETUP. SET MENU . ;MEMORY ;AUTO SETUP ;MANUAL SETUP ;SOUND SET MENU ;SOUND OUT MENU ;INPUT MENU ;DISPLAY MENU []/[]:Up/Down [ENTER]:Enter []/[]:Up/Down [ENTER]:Enter p p p 3 Press G / to select "SAVE" and then press GENTER. 2 Press GENTER.

2)MEMORY SAVE a)MEMORY1 b)MEMORY2 c)MEMORY3 A)MEMORY 1)LOAD 2)SAVE []/[]:Up/Down [ENTER]:Enter p p SETTINGS []/[]:Up/Down [ENTER]:Enter p p 4 Press G / to select the desired memory number and then press GENTER. 3 Press GENTER again. 2)MEMORY SAVE MEMORY1 Save Now? 1)MEMORY LOAD a)MEMORY1 b)MEMORY2 c)MEMORY3 [ENTER]:Enter []/[]:Up/Down [ENTER]:Enter p p APPENDIX y · If system settings are already stored in the selected memory number, this unit overwrites the old settings. 19 En 4 Press G / to select the memory number to be loaded and then press GENTER. TV AV C AUX 2 HDMI 3 TV AUX 1 HDMI 1 HDMI 2 D 1)MEMORY LOAD MEMORY1 Load Now ? HDMI 4 MOVIE MUSIC iPod ENTER TAINMENT FM OFF CINEMA DSP SURROUND STEREO ENTER G MENU Push [ENTER] to Load TOP MENU OPTION SETUP RETURN TV VOL CH VOLUME K TV MUTE TV INPUT MUTE UNIVOLUME SUR. DECODE INTELLIBEAM 5 Press GENTER. The beam and sound settings saved in the selected memory number are loaded. 1 4 7 0 CODE SET 2 5 8 +10 3 6 9 ENT 1)MEMORY LOAD MEMORY1 Loading... TUNING PRESET INFO MEMORY SLEEP CPower DAUX1/2 DHDMI1 DHDMI1-4 DInput selector keys DTV GENTER G / KMUTE KVOLUME +/- 20 En PLAYBACK FEATURES Playback Playing back sources This section describes how to playback source input from your external components. For details on your external components, refer to the owner's manual supplied with each component. INTRODUCTION Playing back a player 1 2 Select the player as the video input on the TV. Press DHDMI1-4 or DAUX1/2 to select the player as the input source. For example, if the player is connected to the HDMI IN 1 jack of this unit, press DHDMI1.

Start playback of the player. Mute the sound output on the TV. Changing OSD language AUTO SETUP (IntelliBeam) Using the system memory PREPARATION 1 2 3 Press CPower (p) key to turn on this unit. Turn on external components (TV, Blu-ray disc player, etc.) connected to this unit. Press one of the DInput selector keys to select an external component as an input source. Input source name 3 4 y Playback HDMI1 y · You can change the input source name displayed on the front panel display (page 35). 4 Start playback of the external component that you have selected as the input source, or select a radio station on the tuner. · FM tuning (page 25) · Playing back iPod/iPhone (page 27) Press KVOLUME +/- to adjust the volume. Volume · If your player supports the HD audio, check whether the audio output setting on the player is set to the value which supports HD audio output ("Auto", "Bitstream", etc.). · If your player does not support the HD audio, check whether the audio output setting on the player is set to multi-channel linear PCM. · If your player is connected to this unit through the digital connection, check whether the audio output setting on the player is set to digital output ("Bitstream", "Dolby Digital", "DTS", etc.). · To enhance the surround sound effect, set the audio setting of your player to the multi-channel audio mode.

· You can use the supplied demonstration DVD to check the digital signals being input from the player through the digital connection (HDMI, optical or coaxial). The DIGITAL indicator lights up when this unit detects the digital audio signal input. Playback mode PLAYBACK FEATURES FM tuning Playing back iPodTM Useful features 5 Muting audio output 1 Press KMUTE to mute the audio output. Press KMUTE again to resume audio output. Volume 40 2 6 Press CPower (p) key to turn this unit to the standby mode. Decoder and input channel indicators SETTINGS Playing back TV sounds 1 2 3 Select the desired TV channel. Press DTV to select the TV as the input source. Mute the sound output on the TV. Decoder indicators Depending on the input source and the selected decoder, the indicators in the front panel display light up as follows: APPENDIX 21 En Status When PCM signals are being input TV AV TV AUX 1 AUX 2 Indicator PCM y · You can select an audio signal to be played back (Auto or DTS) In "Decoder Mode" (page 29). When Dolby TrueHD signals are being input Input channel indicators Center Front L Surround L Extra 1 Surround back HDMI 1 HDMI 2 HDMI 3 HDMI 4 MOVIE MUSIC iPod ENTER TAINMENT FM OFF E F G When Dolby Digital Plus signals are being input When Dolby Digital signals are being input When Dolby Pro Logic is selected as the surround decoder When Dolby Pro Logic II is selected as the surround decoder When Dolby Pro Logic IIx is selected as the surround decoder When DTS HD Master Audio signals are being input When DTS HD High Resolution signals are being input When DTS digital signals are being input + HD + MSTR L SL C SB R SR Front R Surround R Extra 2 CINEMA DSP SURROUND STEREO DIGITAL PL PL EX1 LFE EX2 LFE ENTER TOP MENU MENU OPTION SETUP RETURN I TV VOL CH VOLUME Depending on the channel component of the current digital input signal, the input channel indicators in the front panel display light up as follows: Input signal 2-channel stereo Indicator TV MUTE TV INPUT MUTE UNIVOLUME SUR.



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DECODE INTELLIBEAM 1 4 7 0 CODE SET 2 5 8 +10 3 6 9 ENT 5.1-channel + HD + HI RES 6.1-channel + TUNING PRESET INFO MEMORY SLEEP
When DTS 96/24 signals are being input When DTS ES discrete is selected as the surround decoder When DTS ES matrix is selected as the surround decoder
When DTS Neo:6 is selected as the surround decoder 7.1-channel + ES + DSCRT + ES + MTRX + Neo:6 y · Extra (EX1/EX2) indicators light up when
7.1-channel signals recorded in a Blu-ray disc (etc).

) are being input. Normally, surround back channel signals are recorded in the extra channels. This may vary depending on the disc. Playback mode You can select the playback method (surround or stereo), desired CINEMA DSP program and decoder to enjoy playback of the input source. Selecting surround or stereo playback Use to select the playback method (surround or stereo).

See also: "Enjoying CINEMA DSP programs" (page 22), "Changing the audio output method for surround playback" (page 23). Press FSURROUND or FSTEREO. You can enjoy high realistic sensation with surround playback and hi-fi sound with stereo playback. ECINEMA DSP EOFF FSTEREO FSURROUND GENTER G G G ISETUP // Enjoying CINEMA DSP programs This unit is equipped with a Yamaha CINEMA DSP (digital sound field processing) chip containing several sound field programs used to enhance your playback experience. Most of the CINEMA DSP programs are precise digital recreations of actual acoustic environments of famous concert halls, music venues, and movie theaters. · When you enjoy the CINEMA DSP programs, press F SURROUND to select the surround playback, and then follow the steps below. · The CINEMA DSP programs are not available in the following conditions. Stereo playback is selected. HD audio signals are being played back. Audio signals with sampling frequency of higher than 96 kHz are being played back.

Audio signals are output from the PRE OUT jacks. y y · Normal sounds (not sound beams) are output from the front right and front left channels. When you play back multi-channel sources, all signals except those from the front right and left channels are mixed down and output from the front right and left channels. · When the stereo playback is selected, CINEMA DSP (page 22) and the decoder (page 24) become ineffective. 22 En 1 Press the desired ECINEMA DSP key. The CINEMA DSP category name appears in the front panel display and the CINEMA DSP indicator (page 7) lights up. While the category name is displayed, press the ECINEMA DSP key repeatedly. Each time you press the key, program switches. y · To turn off the CINEMA DSP program, press EOFF. 2 Game This program is suitable for role-playing and adventure games.

It utilizes the sound field effects for movies to represent the depth and spatial feeling of the field during play, while offering movie-like surround effects in the movie scenes in the game. Mch Stereo This program downmixes multi-channel source to 2 channels and then outputs the sound from all speakers and produces stereo sounds in wide range. It is ideal for background music at parties, etc. INTRODUCTION PREPARATION Movie (MOVIE) Sci-Fi This program clearly reproduces dialogs and special sound effects of the latest science fiction films and lets you feel a broad and expansive cinematic space. Adventure This program reproduces the thrilling environment of the latest action films and lets you feel the dynamic and excitement of fast-moving scenes. Spectacle This program reproduces the wide and grand environment and lets you have added impressions on spectacular scenes with strong visual impacts. Changing the audio output method for surround playback You can set the number of beam output channels and audio output method. 1 2 Press ISETUP. The "SET MENU" screen appears on the TV. Use G / and GENTER to select "SOUND OUT MENU"- "SOUND BEAM OUT CONFIG" - "CHANNEL OUT". Press G / to select the number of output channels. Choices: 5.1ch, 7.1ch Initial setting: 7.1ch Press G to select "BEAM MODE". Playback Playback mode PLAYBACK FEATURES 3 FM tuning Music (MUSIC) Music Video This program produces a vibrant environment and lets you feel as if you are at an actual jazz or rock concert. Concert Hall This program creates a rich surround effect of a large round concert hall with a great deal of presence, emphasizing the extension of sounds, and lets you feel as if you are seated close to the center of the stage. Jazz Club This program recreates the acoustic environment of "The Bottom Line", a famous jazz club in New York once and lets you feel as if you are seated right in front of the stage. Playing back iPod™ 4 5 6 Press G to select the desired audio output method. To exit from the menu, press ISETUP.

Useful features Beam modes for "5.1ch" 5 Beam Entertainment (ENTERTAINMENT) Sports This program reproduces the energetic environment of live sports broadcasting, converging a commentator's voice on the center and broadening the overall atmosphere of the stadium, and lets you feel as if you are seated at an actual stadium or a ball park. Talk Show This program reproduces excitement of live talk shows. It enhances the ambience of gaiety while keeping the conversations at a comfortable volume. Drama This program stables reverberations that match a wide range of movie genres from serious dramas to musicals and comedies, and offers an optimum 3D feeling, reproducing effects tones and background music softly but cubically around clear words. SETTINGS Outputs sound beams from the front right and left, center, and surround right and left channels. This mode is ideal for enjoying surround sound effects to the fullest when you watch 5.1-channel audio discs. Stereo+3Beam APPENDIX Outputs normal sound from the front right and left channels and sound beams from the center and surround right and left channels. This mode is ideal for watching live recordings on a DVD.

23 En 3 Beam Enjoying 2-channel sources in surround sound This unit can decode 2-channel sources for 7.1-channel or 5.1-channel playback so that you can enjoy a variety of surround sound effects by switching the decoder. y TV AV TV AUX 1 AUX 2 HDMI 1 HDMI 2 HDMI 3 D HDMI 4 MOVIE MUSIC iPod ENTERTAINMENT FM OFF CINEMA DSP SURROUND STEREO ENTER G MENU TOP MENU OPTION SETUP RETURN I TV VOL CH VOLUME Outputs sound beams from the front right and left and center channels. For playback of multi-channel sources, surround right and left channel sources are mixed into the front right and left channels.

This mode is ideal for enjoying movies with the whole family. In addition, you can use this mode when the listening position is close to the backside of the wall. · The decoders are available only when surround playback (page 22) is selected.



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· Available decoders vary depending on the "CHANNEL OUT" setting (page 23). Press MSUR.

DECODE repeatedly to switch between decoders. 2ch 5ch Decoder Pro Logic (Dolby Pro Logic) PLII (Dolby Pro Logic II) Neo:6 (DTS Neo:6) -- Movie Music Game Cinema Music Recommended source All sources Movies Music Games Movies Music TV MUTE TV INPUT MUTE Beam modes for "7.1ch" M N UNIVOLUME SUR. DECODE INTELLIBEAM 5Beam Plus2 1 4 7 0 CODE SET 2 5 8 +10 3 6 9 ENT P TUNING PRESET INFO MEMORY SLEEP Outputs sound beams from the front right and left, center, and surround back right and left channels. Surround right and left channel sources are mixed into the front right and left and surround back right and left channels. This mode is ideal for enjoying surround sound effects to the fullest when you watch 7.1-channel audio discs. ST+3BeamPlus2 2ch 7ch Decoder PLIIx (Dolby Pro Logic IIx) Neo:6 (DTS Neo:6) Movie Music Game Cinema Music Recommended source Movies Music Games Movies Music Playing back 5.1-channel sources in 7.1-channel surround Outputs normal sound from the front right and left channels and sound beams from the center and surround back right and left channels.

Surround right and left channel sounds are output by using front right and left channel sound and surround back right and left sound beams. This mode is ideal for watching live recordings on a DVD. 3 Beam This unit decodes 5.1-channel sources and then playback them in up to 7.1-channel surround. One of the following decoders is automatically selected depending on the input signals. Set "CHANNEL OUT" to "7.1ch" (page 23). 5.1ch input source PCM, Dolby Digital, Dolby Digital EX, Dolby TrueHD, Dolby Digital Plus DTS Digital, DTS ES matrix, DTS HD Master Audio, DTS HD High Resolution Audio DTS ES discrete Decoder Dolby Pro Logic IIx Movie/ Music DTS ES matrix DRADIO GENTER G / IOPTION IRETURN MSUR.

DECODE NNumeric keys PTUNING PMEMORY / DTS ES discrete y Outputs sound beams from the front right and left and center channels. For playback of multi-channel sources, surround right and left and surround back right and left channel sources are mixed into the front right and left channels. This mode is ideal for enjoying movies with the whole family. In addition, you can use this mode when the listening position is close to the backside of the wall. · Press MSUR.

DECODE to switch between Dolby Pro Logic Movie and Music. To switch to the Dolby Pro Logic IIx Music decoder, select "PLIIxMusic". To switch to the Dolby Pro Logic IIx Movie decoder, select one of the decoders other than "PLIIxMusic". 24 En INTRODUCTION FM tuning The FM tuner of this unit provides the following two modes for tuning. · Frequency tuning mode You can tune into a desired FM station by searching or specifying its frequency. · Preset tuning mode You can preset the frequencies of FM stations by registering them to specific numbers, and later just select those numbers to tune into. Note Adjust the FM antenna connected to this unit for the best reception. Note · When you press NNumeric keys during preset tuning, a preset number is selected. Set the tuner to the frequency tuning mode using PTUNING / prior to the operation. · You do not need to enter zero if it comes at the end of a decimal number. For example, enter "889" for "88.90 MHz" or "94" for "94.00 MHz". PREPARATION y · The reception is noisy and the sound is hard to listen, switch to monaural mode to get better reception. In the option menu, select "Mono" in "FM Mode" (page 29).

Tuning into the desired FM station (Frequency tuning) 1 Press DFM to select the FM station as the input source. Note · If you select "FM" with INPUT on the front panel, press DFM on the remote control prior to step 2 so that you can operate the procedures from step 2. Registering FM stations and tuning in (Preset tuning) Playback You can register up to 40 FM stations automatically or manually. Registering stations automatically The tuner automatically detects FM stations with strong signals and registers up to 40 stations. Note · Only Radio Data System broadcasting stations are stored automatically by automatic station registration. Playback mode PLAYBACK FEATURES FM tuning 2 Press PTUNING / to specify the frequency. The TUNED indicator on the front panel display lights up when the tuner is tuned into a station. The STEREO indicator also lights up if the program being broadcasted is in stereo. See also: "FM Mode" (page 29) Lights up TUNED STEREO 1 2 Press DFM to select the FM station as the input source. Press IOPTION.

The option menu (page 28) appears on the front panel display. Press G / to select "Auto Preset" and then press GENTER. Playing back iPodTM Useful features 3 XXXFMX88.90MHz The frequency changes in the following manner according to how you press PTUNING /. When you press the key more than 1 second The tuner searches the frequency of a station that is detectable around the current frequency.

This is effective when the tuner can receive strong signals without any interference. Once the search starts, release the key. When you keep holding the key, the search continues even when a station is detected. This is useful when you want to tune in to a specific station. When you press and release the key The tuner increases or decreases the frequency in steps.

Use this method when the tuner cannot receive strong signals and stations are skipped during the search. 3.Auto Preset This unit starts to preset FM radio stations in 5 seconds. AUTO MEMORY SETTINGS P01:FM 87.50MHz Preset number Frequency y · You can select the preset number at which the preset starts by pressing G / after pressing GENTER. · To cancel the operation, press IRETURN. If auto preset is complete, "Preset Complete" appears. 4 To exit from the menu, press IOPTION. 3 To directly specify the frequency, use NNumeric keys to enter the frequency of the station. Registering stations manually You can manually register FM stations with weak signals.

APPENDIX 1 2 Tune into the desired FM station. Press PMEMORY. 25 En "Manual Preset" appears on the front panel display, followed soon by the preset number to which the station will be registered. y TV AV TV AUX 1 AUX 2 4 HDMI 1 HDMI 2 HDMI 3 D HDMI 4 MOVIE MUSIC iPod ENTER TAINMENT FM OFF · By holding down PMEMORY for more than 2 seconds, you can skip the following steps and automatically register the selected station to an empty preset number (next to the lastly-registered preset number). Press G / to select a preset station to be cleared, and then press GENTER. The selected preset station is cleared. If the operation is completed, "Cleared" appears.



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To clear the multiple preset stations, repeat step 4. To exit from the menu, press IOPTION. 5 CINEMA DSP SURROUND STEREO 3 G ENTER TOP MENU MENU OPTION SETUP RETURN I K TV VOL CH VOLUME Press PPRESET / to select the preset number to which the station will be registered.

When you select a preset number to which no station is registered, "Empty" appears. When you select a preset number to which any station has been already registered, the frequency of the station is displayed. MEMORY Displaying the Radio Data System information (Europe model only) Radio Data System is a data transmission system used by FM stations. You can display the four types of the Radio Data System information: PS (program service), PTY (program type), RT (radio text), and CT (clock time). The corresponding indicators light up in the front panel display.

Notes · You can select the Radio Data System display modes only when the corresponding Radio Data System indicators are lit in the front panel display. It may take a while for this unit to receive all of the Radio Data System data from the station. · If the signals being received are not strong enough, this unit may not be able to utilize the Radio Data System data. In particular, the "RT" mode requires a large amount of data and may not be available even when the other Radio Data System display modes are available. · In case of poor reception conditions, tune into the desired station manually (page 25).

· In case the signal strength is weakened by external interference while this unit is receiving the Radio Data System data, the reception may be cut off unexpectedly and "...WAIT" appears in the front panel display. · If the reception is cut off when the "CT" mode is selected, "CT WAIT" appears in the front panel display. TV MUTE TV INPUT MUTE UNIVOLUME SUR. DECODE INTELLIBEAM P02:Empty N Preset number 1 4 7 0 CODE SET 2 5 8 +10 3 6 9 ENT y P · You can also specify a preset number using the NNumeric keys. TUNING PRESET 4 SLEEP INFO MEMORY Press PMEMORY. When registration is complete, the front panel display returns to the original state. y · To cancel registration, press IRETURN or leave this unit without any operations for about 30 seconds.

R Calling a preset station (Preset tuning) You can call preset stations registered automatically or manually. Press PPRESET preset number. y · Preset numbers to which no stations are registered are skipped. · "No Presets" is displayed if no stations are registered. · You can directly select a preset number by pressing the NNumeric keys while calling a preset station. · When you press NNumeric keys during normal frequency tuning, a frequency is entered. Set the tuner to the preset tuning mode using PTUNING / prior to the operation. / to select the desired I Tune into the desired Radio Data System broadcasting station. We recommend automatic preset tuning to tune into the Radio Data System broadcasting stations (page 25). Note The AUTO PS feature of this unit changes the frequency display to the "PS" mode if the Radio Data System station broadcasts the PS data.

Clearing preset stations Use to clear the preset FM stations. 2 Press RINFO repeatedly to select the desired Radio Data System display mode. PS PTY RT CT I DFM DiPod GENTER G / IOPTION IRETURN KVOLUME +/- NNumeric keys PMEMORY PPRESET PTUNING RINFO // Press DFM to select the FM station as the input source. Press IOPTION. The option menu (page 28) appears on the front panel display.

Press G / to select "Clear Preset" and then press GENTER. A preset station is displayed. 2 Decoder Frequency 3 C01:FM 92.50MHz Preset station · Select "PS" to display the name of the Radio Data System program. · Select "PTY" to display the type of Radio Data System program.

· Select "RT" to display the information on the Radio Data System program. · Select "CT" to display the current time. Note In the "RT" mode, this unit can scroll the display with a maximum of 64 alphanumeric characters, including the umlaut symbol. Unavailable characters are displayed with the "_"

(underscore). y · To cancel the clearing operation, press IRETURN. 26 En INTRODUCTION Program type Descriptions News Current Affairs Information Sport News Current Affairs Information Sport Education Drama Cultures Science Varied Speech Pop Music Rock Music Easy Listening Light Classics Serious Classic Other Music PREPARATION Education Drama Cultures Science Varied Speech Pop Music Playback Rock Music Easy Listening Music

Playback mode PLAYBACK FEATURES Light Classical Music Serious Classical Music FM tuning Other Music Playing back iPod™ Playing back iPod™/iPhone™ By using the Yamaha wireless transmitter for iPod (PDX50TX/PDX-50BC), you can use the iPod/iPhone as a remote control and enjoy playback of your iPod/iPhone on this unit. About PDX-50TX/PDX-50BC, refer to "Safety and Accessory Information" (separate booklet). See also: "iPod Interlock" (page 36) y · This unit supports the following iPod/iPhone models. iPod 5th generation iPod classic iPod touch iPod nano iPhone iPhone 3G Connect your iPod/iPhone and PDX-50TX, and then start playback. Useful features INPUT VOLUME INTELLIBEAM MIC MENU y · When you start playback of your iPod/iPhone, this unit automatically operates as follows.

When this unit is on, this unit selects "iPod" as the input source. When this unit is in the standby mode, this unit turns on and selects "iPod" as the input source. · You can also select the input source with DiPod. · To adjust the volume level, use the volume control on the iPod/iPhone or KVOLUME +/- on this unit. · This unit automatically turns to the standby mode in the following conditions. The iPod/iPhone is disconnected from PDX-50TX. The iPod/iPhone is turned into sleep mode. Notes · Be sure to use the product only in the country in where it was purchased. · This unit does not support iPod (4th generation or before), iPod without Dock connector, iPod photo and iPod mini. · You cannot run the AUTO SETUP while playing back the iPod/iPhone by using PDX-50TX.

To run the AUTO SETUP, stop playback and then disconnect the iPod/iPhone from PDX-50TX. SETTINGS APPENDIX 27 En Useful features TV AV TV AUX 1 AUX 2 HDMI 1 HDMI 2 HDMI 3 D Adjusting volume level automatically (UniVolume) This function adjusts the volume level of the TV so that it will not increase suddenly when whenever the contents being broadcast change (due to commercials, etc).



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2 3 Turn on the HDMI control device (Blu-ray disc or DVD player) connected to this unit. Select the HDMI control device (Blu-ray disc or DVD player) as the input source of this unit to check the video input.

Note HDMI 4 MOVIE MUSIC iPod ENTER TAINMENT FM OFF CINEMA DSP SURROUND STEREO ENTER G MENU TOP MENU OPTION SETUP RETURN I Press MUNIVOLUME. The UNIVOLUME indicator lights up on the front panel display. y · To turn off the UniVolume function, press MUNIVOLUME again. · We recommend turning off the UniVolume function during playback of music. <Note> TV VOL CH VOLUME · In case the HDMI control function does not work, check the followings.

Also, turning off (unplug) and turning on (plug) the TV may be effective. "HDMI CONTROL" is set to "ON" on this unit (page 36). The HDMI control function is enabled on the TV. If you changed the connection method or connected components, repeat steps 1-3. TV MUTE TV INPUT MUTE UNIVOLUME SUR. DECODE INTELLIBEAM M Using the sleep timer Use this feature to automatically set this unit to the standby mode after a specified period of time. 1 4 7 0 CODE SET 2 5 8 +10 3 6 9 ENT Using the HDMITM control function You can operate the following functions of this unit with the remote control of your TV when the TV (HDMI control function supported) is connected to the HDMI OUT jack of this unit. · Turning on this unit or to the standby (conjunction with TV) · Adjusting the volume · Selecting a device to reproduce TV sounds (this unit or TV) y · Even if your TV supports the HDMI control function, some functions may not be available. For details, refer to the manual supplied with your TV. · If you connect this unit and Blu-ray disc player or DVD player (HDMI control function supported) with HDMI, you can also control those devices with the HDMI control function.

For details, refer to the manual supplied with each device. · We suggest that you use products (TV, Blu-ray disc/DVD player, etc.) from the same manufacturer. · The HDMI control-compatible components include Panasonic VIERA Link compatible TV, DVD player/recorder and Blu-ray disc player. 1 TUNING PRESET INFO MEMORY SLEEP Q R Press QSLEEP repeatedly to set the interval for the sleep timer. The SLEEP indicator (page 7) flashes in the front panel display while switching the interval for the sleep timer. Sleep Sleep Sleep Sleep Sleep 120 min. 90 min. 60 min. 30 min.

Off 2 To use this function, you need to set HDMI control function and register the HDMI components to the TV. y · For some HDMI components, you only need to set the HDMI control function. Registering HDMI components to TV is not required in this case. Wait for a few seconds without operating this unit to confirm the setting for the sleep timer. The SLEEP indicator lights up in the front panel display, indicating that the sleep timer is activated.

y · If this unit is set to the standby mode, the sleep timer setting is canceled. Setting the HDMI control function Configuring settings for each input source (Option menu) You can configure various settings for each input source (TV, AUX1/2, HDMI1-4, iPod, and FM). Available menu items vary depending on the selected input source. 1 2 DInput selector keys GENTER G G // Turn on all devices connected to this unit with HDMI. Enable the HDMI control function on each device.

For this unit, set "HDMI CONTROL" to "ON" (page 36). For external devices, refer to the manual supplied with each device. Turn off the TV and then turn on it again. 1 2 Press DInput selector keys to select the desired input source. Press IOPTION. The first item of the option menu for the selected input source appears on the front panel display. IOPTION MUNIVOLUME QSLEEP RINFO 3 Registering HDMI components to TV 1. Volume Trim 1 28 En Select this unit as the input source of the TV. INTRODUCTION 3 4 5 Press G / to select the desired menu item and then press GENTER. Press G / to select the desired setting and then press GENTER.

To exit from the menu, press IOPTION. Displaying the input signal information Use to display information of the sampling frequency, video signal type, and resolution for each input source on the front panel display. Option menu items The following menu items are provided for each input source. Input source HDMI1-4 TV AUX1-2 FM iPod Volume Trim Volume Trim Volume Trim Volume Trim Menu items Decoder Mode Decoder Mode Decoder Mode FM Mode Auto Preset Clear Preset 1 Select an input source (TV, AUX1/2, and HDMI1-4) and then press RINFO. PREPARATION Audio Sampling 2 Press RINFO repeatedly to change items to be displayed. Sampling frequency (Audio Sampling) The sampling frequency per second in analog- to-digital conversion. Video signal (Video Signal In) Signal type and resolution of video input signal. Playback Playback mode PLAYBACK FEATURES Details of the menu items are as follows. The configuration will be reflected to the input source currently selected. y · The initial settings are marked with "*".

FM tuning Playing back iPodTM Volume Trim (Volume trim) Use to reduce any change in volume when switching input sources by correcting volume differences between input sources. Adjustable range: 6.0dB to +6.0dB (in 0.5 dB steps) Initial setting: 0.

0dB Decoder Mode (Decoder mode) Use to select DTS digital audio signals for reproduction. Choices: Auto*, DTS · Select Auto to automatically select audio input signals. · Select DTS to select DTS signals only. Other input signals are not reproduced. FM Mode (FM receiving mode) Use to set the FM broadcasting receiving mode.

Choices: Stereo*, Mono · Select Stereo to receive in stereo mode by priority. · Select Mono to receive in monaural mode. Auto Preset (Automatic preset) Use to automatically detect FM radio stations and registers them as preset stations (page 25). Clear Preset (Clear preset station) Use to clear the preset FM stations (page 26). Useful features SETTINGS APPENDIX 29 En SETTINGS TV AV TV AUX 1 AUX 2 Customizing this unit (SET MENU) D HDMI 1 HDMI 2 HDMI 3 HDMI 4 MOVIE MUSIC iPod ENTER TAINMENT FM OFF You can manually configure various settings for this unit in "SET MENU". CINEMA DSP SURROUND STEREO SET MENU items G Menu MEMORY LOAD SAVE Sub menu Features Loads the beam and sound settings saved in the memory. Saves the current beam and sound settings to the memory. Optimizes the beam and sound settings automatically. Optimizes the beam settings automatically. Optimizes the sound settings automatically.

Adjusts the listening room and listening position settings. Adjusts the various sound beam settings. Adjusts the sound position of the front right and left channels.



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