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You can read the recommendations in the user guide, the technical guide or the installation guide for ONKYO TX-NR515. You'll find the answers to all your questions on the ONKYO TX-NR515 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual ONKYO TX-NR515
User guide ONKYO TX-NR515
Operating instructions ONKYO TX-NR515
Instructions for use ONKYO TX-NR515
Instruction manual ONKYO TX-NR515

ONKYO

AV RECEIVER

TX-NR515

Instruction Manual

Contents

Safety Information and Introduction2

 Table of Contents.....6

Connections12

Turning On & Basic Operations.....20

Advanced Operations.....45

Controlling Other Components.....68

Appendix.....75

Internet Radio Guide

Remote Control Codes



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Manual abstract:

A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. @@ 10. @@ 11. Only use attachments/accessories specified by the manufacturer. 12. @@ When a cart is used, use caution when moving the cart/apparatus combination to S3125A avoid injury from tip-over. 13. Unplug this apparatus during lightning storms or when unused for long periods of time. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

15. *Damage Requiring Service* Unplug the apparatus from the wall outlet and refer servicing to qualified service personnel under the following conditions: A. when the power-supply cord or plug is damaged, B. If liquid has been spilled, or objects have fallen into the apparatus, C. If the apparatus has been exposed to rain or water, D.

If the apparatus does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the apparatus to its normal operation, E. If the apparatus has been dropped or damaged in any way, and F. When the apparatus exhibits a distinct change in performance this indicates a need for service. 16.

Object and Liquid Entry Never push objects of any kind into the apparatus through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases shall be placed on the apparatus. Don't put candles or other burning objects on top of this unit. 17. *Batteries* Always consider the environmental issues and follow local regulations when disposing of batteries. 18. If you install the apparatus in a built-in installation, such as a bookcase or rack, ensure that there is adequate ventilation. Leave 20 cm (8") of free space at the top and sides and 10 cm (4") at the rear. The rear edge of the shelf or board above the apparatus shall be set 10 cm (4") away from the rear panel or wall, creating a flue-like gap for warm air to escape. **WARNING RISK OF ELECTRIC SHOCK DO NOT OPEN AVIS RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR** The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance. Do not use this apparatus near water. Clean only with dry cloth. Do not block any ventilation openings. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat. en-2 *Safety Information and Introduction Precautions* 1. *Recording Copyright*—Unless it's for personal use only, recording copyrighted material is illegal without the permission of the copyright holder. 2. *AC Fuse*—The AC fuse inside the unit is not userserviceable. If you cannot turn on the unit, contact your Onkyo dealer.

3. *Care*—Occasionally you should dust the unit all over with a soft cloth. For stubborn stains, use a soft cloth dampened with a weak solution of mild detergent and water. Dry the unit immediately afterwards with a clean cloth. Don't use abrasive cloths, thinners, alcohol, or other chemical solvents, because they may damage the finish or remove the panel lettering.

Make sure that the voltage in your area meets the voltage requirements printed on the unit's rear panel (e. The power cord plug is used to disconnect this unit from the AC power source. Make sure that the plug is readily operable (easily accessible) at all times. For models with [POWER] button, or with both [POWER] and [ON/STANDBY] buttons: Pressing the [POWER] button to select OFF mode does not fully disconnect from the mains. If you do not intend to use the unit for an extended period, remove the power cord from the AC outlet.

For models with [ON/STANDBY] button only: Pressing the [ON/STANDBY] button to select Standby mode does not fully disconnect from the mains. If you do not intend to use the unit for an extended period, remove the power cord from the AC outlet. 5. *Preventing Hearing Loss* Caution Excessive sound pressure from earphones and headphones can cause hearing loss. 6. *Batteries and Heat Exposure* Warning Batteries (battery pack or batteries installed) shall not be exposed to excessive heat as sunshine, fire or the like. 7. *Never Touch this Unit with Wet Hands*—Never handle this unit or its power cord while your hands are wet or damp. If water or any other liquid gets inside this unit, have it checked by your Onkyo dealer. 8.

Handling Notes • If you need to transport this unit, use the original packaging to pack it how it was when you originally bought it. □ Do not leave rubber or plastic items on this unit for a long time, because they may leave marks on the case. □ This unit's top and rear panels may get warm after prolonged use. this is normal. □ If you do not use this unit for a long time, it may not work properly the next time you turn it on, so be sure to use it occasionally. Models FCC *Information for User* CAUTION: The user changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: • Reorient or relocate the receiving antenna. □ Increase the separation between the equipment and receiver. □ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. □ Consult the dealer or an experienced radio/TV technician for help. en-3 *Safety Information and Introduction For Canadian Models* NOTE: THIS CLASS B DIGITAL APPARATUS COMPLIES WITH CANADIAN ICES-003.



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For models having a power cord with a polarized plug: CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT. IMPORTANT The plug is fitted with an appropriate fuse. If the fuse needs to be replaced, the replacement fuse must approved by ASTA or BSI to BS1362 and have the same ampere rating as that indicated on the plug. Check for the ASTA mark or the BSI mark on the body of the fuse. If the power cord's plug is not suitable for your socket outlets, cut it off and fit a suitable plug.

Fit a suitable fuse in the plug. For European Models Declaration of Conformity We, ONKYO EUROPE ELECTRONICS GmbH LIEGNITZERSTRASSE 6, 82194 GROEBENZELL, GERMANY declare in own responsibility, that the ONKYO product described in this instruction manual is in compliance with the corresponding technical standards such as EN60065, EN55013, EN55020 and EN61000-3-2, -3-3. GROEBENZELL, GERMANY K. MIYAGI For British models Replacement and mounting of an AC plug on the power supply cord of this unit should be performed only by qualified service personnel. ONKYO EUROPE ELECTRONICS GmbH IMPORTANT The wires in the mains lead are coloured in accordance with the following code: Blue: Neutral Brown: Live As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows: The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black. The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red. En-4 Safety Information and Introduction Supplied Accessories Make sure you have the following accessories: Indoor FM antenna (□ page 19) AM loop antenna (□ page 19) Power cord (Taiwanese models) (□ page 19) Speaker cable labels (□ page 13) Speaker setup microphone (□ page 35) Remote controller (RC-834M) and two batteries (AA/R6) (Note for China: The battery for the remote controller is not supplied for this unit.) Quick Start Guide * □ Aiming the remote controller To use the remote controller, point it at the AV receiver's remote control sensor, as shown below. (5 m) In catalogs and on packaging, the letter at the end of the product name indicates the color. specifications and operations are the same regardless of color.

□ Installing the batteries Thank you for purchasing an Onkyo AV Receiver. Please read this manual thoroughly before making connections and plugging in the unit. Following the instructions in this manual will enable you to obtain optimum performance and listening enjoyment from your new AV Receiver. Please retain this manual for future reference. Batteries (AA/R6) Note • If the remote controller doesn't work reliably, try replacing the batteries. □ Don't mix new and old batteries or different types of batteries. □ If you intend not to use the remote controller for a long time, remove the batteries to prevent damage from leakage or corrosion. □ Remove expired batteries as soon as possible to prevent damage from leakage or corrosion. 28 Changing the Icon Layout on the Network Service Screen. 21 Selecting the Language for the Onscreen Setup Menus.

22 To reset the AV receiver to its factory defaults, turn it on and, while holding down CBL/SAT, press 8ON/STANDBY (□ page 75). (High Current Power Supply) Massive High Power Transformer Connections • 8 HDMI Inputs (1 on front panel) and 2 Outputs • Onkyo p for System Control • 4 Digital Inputs (2 Optical/2 Coaxial) • Component Video Switching (1 Input/1 Output) • Banana Plug-Compatible Speaker Posts * In Europe, using banana plugs to connect speakers to an audio amplifier is prohibited. Color, Lip Sync, DTS-HD Master Audio, DTS-HD High Resolution Audio, Dolby TrueHD, Dolby Digital Plus, DSD and Multi-CH PCM) • Dolby Pro Logic IIz • Non-Scaling Configuration • A-Form Listening Mode Memory • Direct Mode • Pure Audio Mode (European, Australian and Asian models) • Music Optimizer for Compressed Digital Music files • 192 kHz/24-bit D/A Converters • Powerful and Highly Accurate 32-bit Processing DSP • Jitter Cleaning Circuit Technology • Powered Zone 2 • Bi-Amping Capability for FL/FR with SBL/SBR • Internet Radio Connectivity (SiriusXM Internet Radio/vTuner/Last. fm/Pandora/Rhapsody/Slacker/ AUPEO!) * Available services may vary depending on the region. □ Network Capability for Streaming Audio Files • 2 USB Inputs (Front/Rear) for Memory Devices and iPod®/iPhone® models (Enables Display of Album Artwork) * Only front-panel USB input is compatible with iPod/iPhone.

□ MHL-Enabled AUX Front Input Miscellaneous • 40 FM/AM Presets • Audyssey 2EQ® to correct room acoustic problems • Audyssey Dynamic EQ® for loudness correction • Audyssey Dynamic Volume® to maintain optimal listening level and dynamic range • Crossover Adjustment (40/50/60/70/80/90/100/120/150/200 Hz) • A/V Sync Control Function (up to 800 ms) • Auto Standby Function • On-Screen Display via HDMI • Preprogrammed u-Compatible Remote high left Front right Front left Center If you're using only one surround back speaker, connect it to the SURROUND BACK or FRONT HIGH L terminals. Front high and surround back speakers cannot be used at the same time. □ Screw-type speaker terminals Strip 1/2" to 5/8" (12 to 15 mm) of insulation from the ends of the speaker cables, and twist the bare wires tightly, as shown. 1/2" to 5/8" (12 to 15 mm) □ Push-type speaker terminals Strip 3/8" to 1/2" (10 to 12 mm) of insulation from the ends of the speaker cables, and twist the bare wires tightly, as shown. 3/8" to 1/2" (10 to 12 mm) Connecting the Speaker Cables The following illustration shows how to connect the speakers to each pair of terminals.

If you're using only one surround back speaker, connect it to the SURROUND BACK or FRONT HIGH L terminals. Tip • You can specify whether surround back or front high speakers are connected in the "Speaker Configuration" menu (□ page 52) or during Audyssey 2EQ® Room Correction and Speaker Setup (□ page 34). □ Banana Plugs (North American models) • If you are using banana plugs, tighten the speaker terminal before inserting the banana plug. □ Do not insert the speaker code directly into the center hole of the speaker terminal. En-12 Connections Attaching the Speaker Cable Labels The speaker terminals are color-coded for identification purpose. Speaker Front left, Front high left, Zone 2 left Front right, Front high right, Zone 2 right Center Surround left Surround right Surround back left Surround back right Color White Red Green Blue Gray Brown Tan • Be careful not to short the positive and negative wires. Doing so may damage the AV receiver. □ Make sure the metal core of the wire does not have contact with the AV receiver's rear panel.



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Doing so may damage the AV receiver. □ Don't connect more than one cable to each speaker terminal.

Doing so may damage the AV receiver. • Don't connect one speaker to several terminals. The supplied speaker cable labels are also color-coded and you should attach them to the positive (+) side of each speaker cable in accordance with the table above. Then all you need to do is to match the color of each label to the corresponding speaker terminal. Speaker Connection Precautions Read the following before connecting your speakers: • You can connect speakers with an impedance of between 6 and 16 ohms. If you use speakers with a lower impedance, and use the amplifier at high volume levels for a long period of time, the built-in amp protection circuit may be activated. □ Disconnect the power cord from the wall outlet before making any connections. □ Read the instructions supplied with your speakers. • Pay close attention to speaker wiring polarity. In other words, connect positive (+) terminals only to positive (+) terminals, and negative (-) terminals only to negative (-) terminals.

If you get them the wrong way around, the sound will be out of phase and will sound unnatural. □ Unnecessarily long, or very thin speaker cables may affect the sound quality and should be avoided. En-13 Connections Using Powered Subwoofers Bi-amping the Front Speakers Important: About AV Connections Connecting AV components a LINE INPUT LINE INPUT • When making the bi-amping connections, be sure to remove the jumper bars that link the speakers' tweeter (high) and woofer (low) terminals. □ Bi-amping can be used only with speakers that support biamping. When bi-amping is used, the AV receiver is able to drive up to a 5.

1 speaker system in the main room. Once you've completed the bi-amping connections as shown and turned on the AV receiver, you must set the speaker setting to enable bi-amping (□ page 52). other cables Corner position TV, projector, etc. Blu-ray Disc/ DVD player Game console : Video : Audio AV receiver 1/3 of wall position To find the best position for your subwoofer, while playing a movie or some music with good bass, experiment by placing your subwoofer at various positions within the room, and choose the one that provides the most satisfying results. You can connect the powered subwoofer with two SUBWOOFER PRE OUT jacks respectively.

The same signal is output from each jack. Tip • If your subwoofer is unpowered and you're using an external amplifier, connect the subwoofer pre out jack to an input on the amplifier. Front right Blu-ray Disc/ DVD player Tweeter (high) Woofer (low) Game console Front left • Before making any AV connections, read the manuals supplied with your AV components. □ Don't connect the power cord until you've completed and double-checked all AV connections. □ Push plugs in all the way to make Right! Good connections (loose connections can cause noise or malfunctions). □ To prevent interference, keep audio and video cables away from power Wrong! White Red *1 □ Component video Component video separates the luminance (Y) and color difference signals (PB, PR), providing the best picture quality (some TV manufacturers label their component video sockets slightly differently). Y PB PR For PCM signals, the supported sampling rates are 32/44. □ The AV receiver's optical digital jacks have shutter-type covers that open when an optical plug is inserted and close when it's removed. Push plugs in all the way. Caution Green Blue Red • To prevent shutter damage, hold the optical plug straight when inserting and removing.

□ Composite video Composite video is commonly used on TVs, DVDs, and other video equipment. Yellow □ Optical digital audio Optical digital connections allow you to enjoy digital sound such as PCM*1, Dolby Digital or DTS. The audio quality is the same as coaxial. □ Coaxial digital audio Coaxial digital connections allow you to enjoy digital sound such as PCM*1, Dolby Digital or DTS. The audio quality is the same as optical. Orange En-15 Connections Connecting Components with HDMI Satellite/cable set-top box, etc. Blu-ray Disc/DVD player Game console * * If your TV doesn't support Audio Return Channel (ARC), you need to connect an optical digital cable together with the HDMI cable to the AV receiver. When listening to an HDMI component through the AV receiver, set the HDMI component so that its video can be seen on the TV screen (on the TV, select the input of the HDMI component connected to the AV receiver). If the TV power is off or the TV is set to another input source, this may result in no sound from the AV receiver or the sound may be cut off. Connect your components to the appropriate jacks.

The default input assignments are shown below. □: Assignment can be changed (□ page 50). Jack IN1 IN2 IN3 IN4 IN5 IN6 IN7 Front OUT MAIN OUT SUB Components Blu-ray Disc/DVD player Satellite/cable set-top box, etc. □ □ □ □ □ □ Note • In the case of Blu-ray Disc/DVD players, if no sound is output despite following the above-mentioned procedure, set your Blu-ray Disc/DVD player's HDMI audio settings to PCM. □ Audio Return Channel (ARC) function Audio Return Channel (ARC) function enables an HDMI capable TV to send the audio stream to the HDMI OUT MAIN of the AV receiver.

□ This function can be used when: – Your TV is ARC capable, and – The TV/CD input selector is selected, and – “HDMI Control(RIHD)” is set to “On”(□ page 62), and – “Audio Return Channel” is set to “Auto”(□ page 63). See also: • “Connection Tips and Video Signal Path”(□ page 85) • “Using an RIHD-compatible TV, Player, or Recorder”(□ page 88) • “About HDMI”(□ page 90) Tip • To listen to the audio of a component connected via HDMI through your TV's speakers, enable “HDMI Through”(□ page 62) and set the AV receiver to standby mode. □ MHL (Mobile High-Definition Link) With its support for MHL (Mobile High-Definition Link), the AUX (Front) input allows you to deliver highdefinition video from a connected mobile device. En-16 Connections Connecting Your Components AB The on-screen menus appear only on a TV that is connected to the HDMI OUT MAIN. If your TV is connected to other video outputs, use the AV receiver's display when changing settings.

□: Assignment can be changed (□ page 51). no. Jack/Port A B C USB, VIDEO*1 USB*2*3 DIGITAL IN OPTICAL 1 (GAME) OPTICAL 2 (TV/CD) Game consoles TV, CD player □ □ □ □ Components iPod/iPhone (video playback) iPod/iPhone, MP3 player, USB flash drive Note *1 *2 *3 *4 When USB input is selected, you can input video signals from the VIDEO jack. Video signals input from VIDEO will be output from the MONITOR OUT and HDMI output jacks.

Do not connect the AV receiver's USB port to a USB port on your computer.



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Music on your computer cannot be played through the AV receiver in this way. Only front-panel USB input is compatible with iPod/iPhone. connect a turntable (MM) that has a phono preamp built-in. If your turntable (MM) doesn't have it, you'll need a commercially available phono preamp. If your turntable has a moving coil (MC) type cartridge, you'll need a commercially available MC head amp or MC transformer as well as a phono preamp.

See your turntable's manual for details. COAXIAL 1 (BD/DVD) Blu-ray Disc/DVD player COAXIAL 2 (CBL/SAT) Satellite/cable set-top box, RI dock, etc.

Blu-ray Disc/DVD player Satellite/cable set-top box, etc. Game console, RI dock Personal computer TV, CD player, cassette tape deck, MD, CD-R, Turntable*4, RI dock □ C D B E F OUT E F ETHERNET MONITOR OUT BD/DVD IN CBL/SAT IN GAME IN PC IN TV/CD IN • With connection C, you can enjoy Dolby Digital and DTS. (To listen in Zone 2 as well, use C and F.) • With connection F, you can listen audio from the external components while you are in Zone 2. □ With connection F, if your Blu-ray Disc/DVD player has both the main stereo and multichannel outputs, be sure to connect the main stereo. Connect your components to the appropriate jacks. The default input assignments are shown below. See "Connection Tips and Video Signal Path" for more information (□ page 85).

En-17 Connections Connecting Onkyo u Components 1 2 3 Make sure that each Onkyo component is connected with an analog audio cable (connection F in the hookup examples) (□ page 17). Make the u connection (see the illustration). If you're using an RI Dock, or cassette tape deck, change the Input Display (□ page 43). With u (Remote Interactive), you can use the following special functions: □ System On/Auto Power On When you start playback on a component connected via u, while the AV receiver is on standby, the AV receiver will automatically turn on and select that component as the input source. □ Direct Change When playback is started on a component connected via u, the AV receiver automatically selects that component as the input source.

□ Remote Control You can use the AV receiver's remote controller to control your other u-capable Onkyo components, pointing the remote controller at the AV receiver's remote control sensor instead of the component. You must enter the appropriate remote control code first (□ page 72). , cassette tape deck R L ANALOG AUDIO OUT R L ANALOG AUDIO OUT RI Dock Note • Use only u cables for u connections. U cables are supplied with Onkyo components. • Some components have two u jacks.

You can connect either one to the AV receiver. The other jack is for connecting additional u-capable components. • Connect only Onkyo components to u jacks. Connecting other manufacturer's components may cause a malfunction. • Some components may not support all u functions. Refer to the manuals supplied with your Onkyo components. □ While Zone 2 is on, the System On/Auto Power On and Direct Change u functions do not work. En-18 Connections

Connecting the Antennas This section explains how to connect the supplied indoor FM antenna and AM loop antenna. The AV receiver won't pick up any radio signals without any antenna connected, so you must connect the antenna to use the tuner. North American and Taiwanese models European, Australian and Asian models Connecting the Power Cord 1 (Taiwanese models) Connect the supplied power cord to the AV receiver's AC INLET.

Insert the plug fully into the jack. Insert the plug fully into the jack. To AC wall outlet Assembling the AM loop antenna Caution 2 Thumbtacks, etc. Plug the power cord into an AC wall outlet. □ Be careful not to injure yourself when using thumbtacks. Note • Before connecting the power cord, connect all of your speakers and AV components. □ Turning on the AV receiver may cause a momentary power surge that might interfere with other electrical equipment on the same circuit. If this is a problem, plug the AV receiver into a different branch circuit. □ Do not use a power cord other than the one supplied with the AV receiver. The supplied power cord is designed exclusively for use with the AV receiver and should not be used with any other equipment.

□ Never disconnect the power cord from the AV receiver while the other end is still plugged into a wall outlet. Doing so may cause an electric shock. Always disconnect the power cord from the wall outlet first, and then the AV receiver. AM loop antenna (supplied) Indoor FM antenna (supplied) Note • Once your AV receiver is ready for use, you'll need to tune into a radio station and position the antenna to achieve the best possible reception. □ Keep the AM loop antenna as far away as possible from your AV receiver, TV, speaker cables, and power cords.

Tip • If you cannot achieve good reception with the supplied indoor FM antenna, try a commercially available outdoor FM antenna instead. □ If you cannot achieve good reception with the supplied indoor AM loop antenna, try using it with a commercially available outdoor AM antenna. En-19 Turning On & Basic Operations Turning On/Off the AV Receiver 8ON/STANDBY Turning On 1 Press 8ON/STANDBY on the front panel. Or Press RECEIVER followed by 8RECEIVER on the remote controller. The AV receiver comes on and its display lights.

□ Smooth Operation in a Few Easy Steps (Initial Setup) To ensure smooth operation, here's a few easy steps to help you configure the AV receiver before you use it for the very first time. These settings only need to be made once. See "Initial Setup" for details (□ page 21). □ If the "Firmware Update Available" window appears. When a new version of the firmware is available, the notification window "Firmware Update Available" pops up. This notification only appears when the AV receiver is connected to your home network (□ page 91). To perform the firmware update, follow the instructions on screen. Use q/w and ENTER on the AV receiver or remote controller to select one of the options. Remind me Later: The update notification will pop up again the next time you turn the AV receiver on. Never Remind me: Disables the automatic update notification.

tip • The update notification window can be enabled or disabled in "Update Notice" (□ page 64). Turning Off 1 Press 8ON/STANDBY on the front panel. Or Press RECEIVER followed by 8RECEIVER on the remote controller. The AV receiver will enter standby mode. To prevent any loud surprises when you turn on the AV receiver, always turn down the volume before you turn it off. Tip • The HYBRID STANDBY indicator may light depending on the status of settings (□ page 49). □ For details on power management settings, see "Auto Standby" (□ page 63). 8RECEIVER RECEIVER En-20 Turning On & Basic Operations Initial Setup This section explains the settings that we recommend you to make before using the AV receiver for the very first time.



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A setup wizard is launched upon first-time use to let you perform those settings. The on-screen menus appear only on a TV that is connected to the HDMI OUT MAIN.

Selecting the Language for the Onscreen Setup Menus This step determines the language used for the onscreen setup menus. To restart the initial setup, select "Initial Setup" in the "Hardware Setup" menu (□ page 64). **Audyssey 2EQ: Auto Setup** This step performs the automatic speaker setup. 1 After selecting the language for on-screen setup menus, a welcome screen is displayed. initial Setup Welcome to initial setup.

Have you connected all the speakers and devices? before starting , please connect speakers and sources. Now, would you like to start initial setup? 1st Step : Audyssey 2EQ: Auto Setup 2nd Step : Source Connection 3rd Step : Remote Mode Setup 4th Step : Network Connection Yes No HOME Exit Use q/w to select one of the following options, and then press ENTER. do it Now: The automatic speaker setup is performed following instructions on screen. Refer to step 2 of "Using the Automatic Speaker Setup" (□ page 34). When this setting is complete, the setup wizard continues to "Source Connection".

1 Use q/w on the AV receiver or remote controller to select one of the following options, and then press ENTER. yes: Continues to "Audyssey 2EQ: Auto Setup". No: Skips the settings and terminates the initial setup. The setup wizard goes to "Terminating the Initial Setup". You can always restart the initial setup by selecting "Initial Setup" in the "Hardware Setup" menu (□ page 64). **En-21 Turning On & Basic Operations Source Connection** This step checks the connection of source components. **Remote Mode Setup** With this step, you can enter remote control codes for the components you want to operate. **Network Connection** This step checks your network connection. 1 Use q/w to select one of the following options, and then press ENTER. Yes, Continue: Performs the checkings.

No, Skip: Skips this step and continues to "Remote Mode Setup". Select the input selector for which you want to check the connection and press ENTER. The picture of the corresponding source should appear on screen with a verification prompt. When prompted, use q/w to select one of the following options and then press ENTER. Follow the troubleshooting instructions and recheck the source. Use q/w to select one of the following options, and then press ENTER. 1 2

3 Use q/w to select one of the following options, and then press ENTER. yes: Performs the remote control code input. Refer to step 5 of "Looking up for Remote Control Codes" (□ page 70). No, Skip: Skips this step and continues to "Network Connection".

When you're finished, select one of the following options and press ENTER. Yes, Done: The setup wizard continues to "Network Connection". No, not yet: You can enter other remote control codes. 1 Use q/w to select one of the following options, and then press ENTER. yes: Performs the checkings.

No, Skip: Skips this step and terminates the initial setup. Note • If you use both wired and wireless network connections, the wireless will take priority. For further details, see the instruction manual provided with your wireless device. 2 2 Follow the instructions on screen to perform the network checking. The checking is complete when the message "Successfully connected."

□ appears at the middle of the screen. No, Do it Later: Skips this step and terminates the initial setup. The setup wizard goes to "Terminating the Initial Setup". 3 4 **Terminating the Initial Setup** This step ends the initial setup process. 1 Press ENTER. To restart the initial setup, select "Initial Setup" in the "Hardware Setup" menu (□ page 64). **En-22 Turning On & Basic Operations Playback** The on-screen menus appear only on a TV that is connected to the HDMI OUT MAIN. If your TV is connected to other video outputs, use the AV receiver's display when changing settings. This section describes the procedure for using the remote controller, unless otherwise specified. **Playing the Connected Component** □ **Operating with the remote controller** □ **Operating on the AV receiver Input selector buttons** LISTENING MODE MASTER VOLUME INPUT SELECTOR RECEIVER VOL q/w 1 **Listening mode buttons** Use the input selector buttons to select the input source.

start playback on the source component. To adjust the volume, use the MASTER VOLUME control. See also: • "Playing an iPod/iPhone via USB" (□ page 25)

• "Playing a USB Device" (□ page 26) • "Listening to vTuner Internet Radio" (□ page 27) • "Registering Other Internet Radio" (□ page 28) • "Playing Music Files on a Server" (□ page 29) • "Remote Playback" (□ page 30) • "Listening to AM/FM Radio" (□ page 31) • "iPod/iPhone Playback via Onkyo Dock" (□ page 68) • "Controlling Other Components" (□ page 70) To adjust the volume, use VOL q/w. select a listening mode and enjoy! See also: • "Using the

Listening Modes" (□ page 37) 2 3 4 □ **Screen saver** If there is no video signal on the current input source and no operation for a specific time (three minutes by default), a screen saver automatically comes on. Tip • The time until the screen saver activates itself can be changed in the "Screen Saver" setting (□ page 61). □ The screen will return to its previous state if the AV receiver is operated. 3 4 **En-23 Turning On & Basic Operations Controlling Contents of USB or**

Network Devices Press USB or NET first. **A TOP MENU** This button displays the top menu for each media or service. **O MODE** You can switch between Standard Mode and Extended Mode during iPod/iPhone playback. **p RANDOM** This button performs random playback.

Q REPEAT Press this button repeatedly to cycle through the repeat modes. Tip • See "Controlling Other Components" about the operation of other components (□ page 70). Note • The buttons you can use will differ depending on the devices and media used for playback. **H i a b c d e f g j k l m n o p q d 7**

This button selects the beginning of the current song. Pressing this button twice selects the previous song.

G SEARCH You can toggle between the playback screen and the list screen during playback. **H DISPLAY** This button switches between song information during playback. Press this button while the list screen is displayed to return to the playback screen. **En-24 Turning On & Basic Operations Understanding**

Icons on the Display This section describes icons that appear on the AV receiver's display during media playback. **Icon Description** Folder Track Playback Pause Fast Forward Fast Reverse Artist Album Repeat One Track Repeat Folder (USB Device) Repeat Shuffle Shuffle Album (iPod/iPhone) Playing an iPod/iPhone via USB The on-screen menus appear only on a TV that is connected to the HDMI OUT MAIN.



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This section explains how to play music/video files on the iPod/iPhone. Tip • If you want to operate using the iPod/iPhone or the remote controller, press MODE repeatedly to switch to Standard mode. □ When you disconnect the iPod/iPhone, the AV receiver remembers the current mode. This means that if you disconnect when in Extended Mode (Music), the AV receiver will start in Extended Mode (Music) the next time you connect the iPod/iPhone. 1 Press USB repeatedly to select the “USB(Front)” input. Tip • The same operation can be done by selecting “USB” in the Home menu. 4 Use q/w to select a folder , and then press ENTER to open it. Tip • You can also use the q/w, ENTER and TUNING MODE buttons on the front panel. tUNING MODE allows you to switch modes. 2 Connect the USB cable that comes with the iPod/iPhone to the USB port on the front of the AV receiver.

While reading the contents of your iPod/iPhone, the message “Connecting. It will flash if the AV receiver cannot read the iPod/iPhone. Tip • When connecting your iPod/iPhone with a USB cable, we recommend you use an official USB cable from Apple Inc. □ appears on the AV receiver’s display, do not disconnect the USB cable supplied with your iPod/iPhone or the USB device from the USB port. □ If you connect an iPod or iPhone to the USB port, no sound will be output from the headphones jack. En-25 Turning On & Basic Operations Extended Mode (Music) Control The music content information is displayed (lists are displayed), and you can control the music content while looking at the screen. top screen list: Playlists , Artists , Albums , Genres , Songs , Composers , Shuffle Songs , Now Playing. Note • In this mode, video contents are not displayed, even if they are input from the VIDEO jack on the AV receiver’s front panel. Playing a USB Device The on-screen menus appear only on a TV that is connected to the HDMI OUT MAIN. This section explains how to play music files from a USB device (e.

1 2 3 4 Extended Mode (Video) control The video content information is displayed (lists are displayed), and you can control the video content while looking at the screen. top screen list: Movies , Music Videos , TV Shows , Video Podcasts , Rentals. Note • To view the video contents of your iPod/iPhone, connect it to the USB port and VIDEO jack on the AV receiver’s front panel, using the official Apple Composite AV Cable. □ Depending on your iPod/iPhone model and generation, the displayed items may vary and the support for Extended Mode (Video) is not guaranteed. press USB repeatedly to select the “USB(Front)” or “USB(Rear)” input.

Plug your USB device into the AV receiver’s USB port. the USB indicator lights. It will flash if the AV receiver cannot read the USB device. To open a folder, use q/w to select it, and then press ENTER. Use q/w to select a music file, and press ENTER or 1 to start playback.

note • While the message “Connecting. □ appears on the AV receiver’s display, do not disconnect the USB cable supplied with your iPod/iPhone or the USB device from the USB port. Standard Mode Control The content information is not displayed, but can be operated using the iPod/iPhone or the remote controller. En-26 Turning On & Basic Operations Listening to vTuner Internet Radio You need to connect the AV receiver to your home network (□ page 91).

The on-screen menus appear only on a TV that is connected to the HDMI OUT MAIN. The vTuner Internet Radio Service is a portal site featuring radio stations from all over the world. You can search for stations by categories such as genre or location. The AV receiver is preinstalled with this service. □ Adding vTuner Internet Radio Stations to Favorites There are two ways you can register specific Internet radio stations (programs) from the vTuner Internet Radio. Adding to My Favorites The selected program will be added to “My Favorites” on the network service screen, which appears when pressing NET on the remote controller.

1. Press MENU with the station selected or while a station is playing. Tip • You can rename the stations saved in “My Favorites”. 1 Press NET. The network service screen appears, and the NET indicator lights. If it flashes, verify that the Ethernet cable is firmly connected to the AV receiver. Tip • The same operation can be done by selecting “Network Service” in the Home menu. 2 3 Use q/w/e/r to select “vTuner Internet Radio” and then press ENTER. Use q/w to select a program and then press ENTER. playback starts.

My Music 0 : 11 Great Artist My Favorite Adding to vTuner Internet Radio’s Favorites Select “vTuner Internet Radio” and press ENTER to display the “Favorites” folder that appears on the same screen as “Stations By Genre”, “Stations By Location”, etc. This is where your favorite Internet radio bookmarks will be stored. To register your favorite stations using a personal computer, you need to connect your PC to the same network as the AV receiver. Enter the ID# (MAC address) of your unit on the http://onkyo. You can then register your favorite radio programs.

The ID# is shown at the bottom of the “vTuner Internet Radio” top menu, and the AV receiver’s MAC address is shown on “Network” of the Setup menu (□ page 64). Tip • You can find stations similar to the one being played. During playback, press MENU on the remote controller, select “Stations like this” and press ENTER. En-27 Turning On & Basic Operations Registering Other Internet Radio You need to connect the AV receiver to your home network (□ page 91). The on-screen menus appear only on a TV that is connected to the HDMI OUT MAIN.

Internet radio URLs in the following formats are supported: PLS, M3U, and podcast (RSS). However, depending on the type of data or audio format used by the Internet radio station, you may not be able to listen to some stations. To listen to other Internet radio stations, you must register your station in “My Favorites” of the network service screen, as described below. Note • Services available may vary depending on the region. See the separate instructions for more information. 5 Click “Save” to save the Internet radio station. The Internet radio station is then added to “My Favorites”. To play the registered station, press NET, and then select “My Favorites” on the network service screen. a list of registered Internet radio stations appears. Select the one that you saved and press ENTER.

Changing the Icon Layout on the Network Service Screen The layout of icons can be customized by switching their positions on the network service screen. 1 Tip • If you want to delete a station saved in “My Favorites” list, press MENU with the station selected or while the station is playing.



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Then, use *q/w* to select "Delete from My Favorites" and press ENTER. You can also delete stations from the Web Setup. If you want to rename a station, select the desired station and press MENU. Then, use *q/w* to select "Rename this station" and press ENTER. The network service screen appears, and the NET indicator lights. If it flashes, verify that the Ethernet cable is firmly connected to the AV receiver. Tip • The same operation can be done by selecting "Network Service" in the Home menu. 2 3 4 Press MODE/D (blue) on the remote controller.

Use *q/w/e/r* to select an icon to move, and then press ENTER. Use *q/w/e/r* to select another icon as the destination, and then press ENTER. The icons switch positions and the message "Completed!" appears. If you press RETURN, the "Custom Mode" process will be cancelled or it will go back one step. 1 2 3 Select "Network" on the Setup menu to verify your IP address (page 64).

Take a note of the IP address. On your computer, start your web browser. Enter the AV receiver's IP address in the browser's Internet address (URL) field. If you are using Internet Explorer®, you can also enter the URL by selecting "Open." on the "File" menu.

Information on the AV receiver is then shown on your Internet browser (Web Setup). Click on the "My Favorites" tab, and enter the Internet radio station's name and URL. 4 En-28 Turning On & Basic Operations Playing Music Files on a Server You need to connect the AV receiver to your home network (page 91). The on-screen menus appear only on a TV that is connected to the HDMI OUT MAIN. This section explains how to play music files on a computer or media server through the AV receiver (Server Playback). 5 Use *q/w* to select an item, and then press ENTER or 1 to start playback. Windows Media Player 11 Setup This section explains how to configure Windows Media Player 11 so that the AV receiver can play the music files stored on your computer. My favorite song 1 0 : 11 Artist name My favorite album 1 2 3 Start Windows Media Player 11. on the "Library" menu, select "Media Sharing". The "Media Sharing" dialog box appears.

Select the "Share my media" check box, and then click "OK". a list of the supported devices appears. Select the AV receiver in the list, and then click "Allow". This completes the Windows Media Player 11 configuration. You can now play the music files in your Windows Media Player 11 library through the AV receiver. Tip • Windows Media Player 11 can be downloaded for free from the Microsoft web site. Tip • The same operation can be done by selecting "Network Service" in the Home menu. Note • Depending on the media server, 5/4/3 may not work. • If the message "No Item." appears, this means that no information can be retrieved from the server.

In this case, check your server, network, and AV receiver connections. 4 5 3 4 Use *q/w/e/r* to select "dlna", and press ENTER. Tip • To go back to the previous screen, press RETURN. Use *q/w* to select a server, and then press ENTER. The menu is displayed according to the server functions. Note • The search function does not work with media servers which do not support this function. Photos and movies stored on a media server cannot be accessed from the AV receiver. Depending on the sharing settings in the media server, the AV receiver may not be able to access the content. See the instruction manual of the media server. En-29 Turning On & Basic Operations Remote Playback You need to connect the AV receiver to your home network (page 91).

The on-screen menus appear only on a TV that is connected to the HDMI OUT MAIN. Remote Playback means you can play the music files stored on a media server or personal computer with the AV receiver by operating the controller device in the home network. 5 Click "OK" to close the dialog box. This completes the Windows Media Player 12 configuration. You can now play the music files in your Windows Media Player 12 library. Tip • On the "Stream" menu, confirm that "Allow remote control of my Player." is checked. 5 Using Remote Playback Windows Media Player 12 Setup This section explains how to configure Windows Media Player 12 so that the AV receiver can play the music files stored on your personal computer. To enable remote playback, you must first configure Windows Media Player 12. Tip • For selecting another media server, select the desired media server from the "Other Libraries" menu on Windows Media Player 12.

adjusting the Volume. You can adjust the volume by adjusting the volume bar in the "Remote playback" window. The default maximum volume level is 82 (0 dB). If you wish to change this, enter the value from the Web Setup in your browser. Refer to step 3 of "Registering Other Internet Radio" for details (page 28). The volume value of the remote window and the volume value of the AV receiver may not always match. Adjustments you make to the volume in the AV receiver will not be reflected in the "Remote playback" window. Note • Remote playback cannot be used in any of the following cases: – Network services are being used. Contents are being played from a USB device or iPod/iPhone. Tip • If the media streaming is already activated, clicking on "More streaming options."

in the "Stream" menu will display a list of the playback devices connected to the network. You can skip step 3. Wording may vary slightly depending on the network location. On the "Media streaming options", select the AV receiver and confirm that it is set to "Allow". select the AV receiver in "Remote playback".

The "Play to" window appears and playback on the AV receiver starts. Operations during remote playback can be made from the "Play to" window of Windows 7 on your personal computer. a playback screen will be displayed on the connected TV. En-30 Turning On & Basic Operations Listening to AM/FM Radio This section describes the procedure of using the buttons on the front panel, unless otherwise specified. tuning into Radio Stations Auto tuning mode Manual tuning mode In manual tuning mode, FM stations will be in mono.

1 2 Press TUNING MODE so that the AUTO indicator lights on the AV receiver's display. When tuned into a station, the TUNED indicator lights. When tuned into a stereo FM station, the FM STEREO indicator lights as shown. TUNED AUTO 1 2 Press TUNING MODE so that the AUTO indicator goes off on the AV receiver's display. press and hold TUNING *q/w*. The frequency stops changing when you release the button. Press the buttons repeatedly to change the frequency one step at a time. Using the Tuner With the built-in tuner you can enjoy AM and FM radio stations.



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You can store your favorite stations as presets for quick selection. You can also change the frequency steps (□ page 61).

Band Frequency □ **Tuning into stations by frequency** You can tune into AM and FM stations directly by entering the appropriate frequency. 1 **FM STEREO** On the remote controller, press AM or FM to select “AM” or “FM”, followed by D. tUN. (Actual display depends on the country.) Tip • **Tuning into weak FM stereo stations** If the signal from a stereo FM station is weak, it may be impossible to get good reception. In this case, switch to manual tuning mode and listen to the station in mono. (Actual display depends on the country.) 2 Within 8 seconds, use the number buttons to enter the frequency of the radio station. If you have entered the wrong number, you can retry after 8 seconds. En-31 **Turning On & Basic Operations Presetting AM/FM Stations** You can store a combination of up to 40 of your favorite AM/FM radio stations as presets.

□ **Deleting Presets** 1 2 Select the preset that you want to delete. see the previous section. While holding down MEMORY, press TUNING MODE. The preset is deleted and its number disappears from the AV receiver’s display. Using RDS (excluding North American and Taiwanese models) RDS works only in areas where RDS broadcasts are available.

When tuned into an RDS station, the RDS indicator lights. When the station is broadcasting text information, the text can be displayed. Many FM stations use it these days. In addition to displaying text information, RDS can also help you find radio stations by type (e. The AV receiver supports four types of RDS information: PS (Program Service) When tuned to an RDS station that’s broadcasting PS information, the station’s name will be displayed.

Pressing DISPLAY will display the frequency for 3 seconds. RT (Radio Text) When tuned to an RDS station that’s broadcasting text information, the text will be shown on the AV receiver’s display as described in the next section. PTY (Program Type) This allows you to search for RDS radio stations by type (□ page 33). TP (Traffic Program) This allows you to search for RDS radio stations that broadcast traffic information (□ page 33). To be continued 1 2 Tune into the

AM/FM station that you want to store as a preset. The preset number flashes. (Actual display depends on the country.) 3 4 While the preset number is flashing (about 8 seconds), use PRESET e/r to select a preset from 1 through 40. Press MEMORY again to store the station or channel. The station or channel is stored and the preset number stops flashing.

Repeat this procedure for all of your favorite AM/FM radio stations. □ **Selecting Presets** 1 To select a preset, use PRESET e/r on the AV receiver, or the remote controller’s CH +/- . Tip • You can also use the remote controller’s number buttons to select a preset directly. En-32 **Turning On & Basic Operations**

Note • In some cases, the text characters displayed on the AV receiver may not be identical to those broadcast by the radio station. Also, unexpected characters may be displayed when unsupported characters are received. This is not a malfunction. □ If the signal from an RDS station is weak, RDS data may be displayed intermittently or not at all. □ **Listening to Traffic News (TP)** You can search for stations that broadcast traffic news. RDS program types (PTY)

Type None News reports Current affairs Information Sport Education Drama Culture Science and technology Varied Pop music Rock music Middle of the road music Light classics Serious classics Other music Display None News Affairs Info Sport Educate Drama Culture Science Varied Pop M Rock M Easy M Light M Classics Other M Weather Finance Children Social Religion Phone In Travel Leisure Jazz Country Nation M Oldies Folk M Document TEST Alarm!

1 □ **Displaying Radio Text (RT)** Press RT/PTY/TP three times. If the current radio station is broadcasting TP (Traffic Program), “[TP]” will appear on the AV receiver’s display.

If “TP” without square brackets appears, this means that the station is not broadcasting TP. to locate a station that is broadcasting TP , press ENTER. The AV receiver searches until it finds a station that’s broadcasting TP. If no stations are found, the message “Not Found” appears. 1 Press RT/PTY/TP once. The RT information scrolls across the AV receiver’s display. Note • The message “Waiting” may appear while the AV receiver waits for the RT information. •

If the message “No Text Data” appears , no RT information is available. 2 □ **Finding Stations by Type (PTY)** You can search for radio stations by type. Weather Finance Children’s programmes Social affairs Religion Phone in Travel Leisure Jazz music Country music National music Oldies music Folk music Documentary Alarm test Alarm 1 2 3 4 Press RT/PTY/TP twice.

The current program type appears on the AV receiver’s display. Use PRESET e/r to select the type of program you want. See the table shown later in this chapter. to start the search , press ENTER. The AV receiver searches until it finds a station of the type you specified, at which point it stops briefly before continuing with the search. When a station you want to listen to is found, press ENTER. If no stations are found, the message “Not Found” appears. En-33

Turning On & Basic Operations Using Basic Functions Using the Automatic Speaker Setup With the supplied calibrated microphone, Audyssey 2EQ® automatically determines the number of speakers connected, their size for purposes of bass management, optimum crossover frequencies to the subwoofer (if present), and distances from the primary listening position. Audyssey 2EQ then removes the distortion caused by room acoustics by capturing room acoustical problems over the listening area in both the frequency and time domain. The result is clear, well-balanced sound for everyone.

Audyssey 2EQ can be used with Audyssey Dynamic EQ® and Audyssey Dynamic Volume® (□ page 56). Before using this function, connect and position all of your speakers. Audyssey 2EQ offers two ways of measuring: the “Audyssey Quick Start” and “Audyssey 2EQ Full Calibration”. □ “Audyssey Quick Start” uses the measurement from one position to perform the speaker setting only. □ “Audyssey 2EQ Full Calibration” uses the measurement from three positions to correct room response in addition to the speaker setting. The more positions are used in measuring, the better the listening environment will become. We recommend using a measurement from three positions to create the best listening environment. The Quick Start takes 2 minutes and Full Calibration takes about 10 minutes. Total measurement time varies depending on the number of speakers. Measurement procedure To create a listening environment in your home theater that all listeners will enjoy, Audyssey 2EQ takes measurements at up to three positions within the listening area.



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Position the microphone at ear height of a seated listener with the microphone tip pointed directly at the ceiling using a tripod. Do not hold the microphone in your hand during measurements as this will produce inaccurate results. A First measurement position Also referred to as the Main Listening Position, this refers to the most central position where one would normally sit within the listening environment. Audyssey 2EQ uses the measurements from this position to calculate speaker distance, level, polarity, and the optimum crossover value for the subwoofer. b Second measurement position The right side of the listening area.

C Third measurement position The left side of the listening area. The distances from position a to b and a to c must be at least 1 meter (3. Note • Make the room as quiet as possible. Background noise and Radio Frequency Interference (RFI) can disrupt the room measurements. Close windows, televisions, radios, air conditioners, fluorescent lights, home appliances, light dimmers, or other devices.

Turn off the cell phone (even if it is not in use) or place it away from all audio electronics. •The microphone picks up test tones played through each speaker as Audyssey 2EQ Room Correction and Speaker Setup runs. □ Audyssey 2EQ Room Correction and Speaker Setup cannot be performed while a pair of headphones is connected. TV c ab : Listening area a to c: Listening position En-34 Turning On & Basic Operations 1 2 Turn on the AV receiver and the connected TV. On the TV, select the input to which the AV receiver is connected. Set the speaker setup microphone at the Main Listening Position a, and connect it to the SETUP MIC jack. Test tones are played through each speaker as Audyssey 2EQ Room Correction and Speaker Setup runs. This process takes a few minutes. Please refrain from talking during measurements and do not stand between speakers and the microphone. Do not disconnect the speaker setup microphone during Audyssey 2EQ Room Correction and Speaker Setup, unless you want to cancel the setup.

If you select “Audyssey Quick Start”, you will go to step 8. Place the speaker setup microphone at the next position, and then press ENTER. audyssey 2EQ performs more measurements. This takes a few minutes. When prompted, repeat step 6. Use q/w to select an option, and then press ENTER. 2EQ: Auto Setup AUDYSSEY Tip • You can view the calculated settings for the speaker configuration, speaker distances, and speaker levels by using e/r. 9 Use q/w to select a target, and use e/r to change the setting. After the results of Audyssey 2EQ have been saved, the menu will display the “Audyssey” (□ page 55), “Dynamic EQ” (□ page 56), “Dynamic Volume” (□ page 56) settings. Note • When “Audyssey Quick Start” has been used for measurement, “Audyssey” cannot be selected.

Note • The on-screen menus appear only on a TV that is connected to the HDMI OUT MAIN. If your TV is connected to other video outputs, use the AV receiver’s display when changing settings. Note • You can cancel Audyssey 2EQ Room Correction and Speaker Setup at any point in this procedure simply by disconnecting the setup microphone. □ Do not connect or disconnect any speakers during Audyssey 2EQ Room Correction and Speaker Setup. □ If the AV receiver is muted, it will be unmuted automatically when Audyssey 2EQ Room Correction and Speaker Setup starts.

□ Changes to the room after Audyssey 2EQ Room Correction and Speaker Setup requires you run Audyssey 2EQ Room Correction and Speaker Setup again, as room EQ characteristics may have changed. 3 When you’ve finished making the settings, press ENTER. 2EQ: Auto Setup AUDYSSEY -- Review Speaker Configuration -Subwoofer Front Center Surround Front High Surround Back Surround Back Ch Save Cancel Yes 100Hz 40Hz 100Hz None 120Hz 2ch Speakers Type (Front) Powered Zone 2 Surround Back/Front High Normal No Surround Back Perform the “Speaker Setup” according to your speaker configuration: – Speakers Type (Front) (□ page 52) – Powered Zone 2 (□ page 52) – Surround Back/Front High (□ page 52) 4 Use q/w to select “Audyssey Quick Start” or “Audyssey 2EQ Full Calibration”. The options are: Save: Save the calculated settings and exit Audyssey 2EQ Room Correction and Speaker Setup. cancel: Cancel Audyssey 2EQ Room Correction and Speaker Setup.

En-35 Turning On & Basic Operations Error Messages While Audyssey 2EQ® Room Correction and Speaker Setup is in progress, one of the error messages below may appear. 2EQ: Auto Setup AUDYSSEY Changing the Speaker Setup Manually You can manually make changes to the settings found during Audyssey 2EQ Room Correction and Speaker Setup. See also: • “Speaker Configuration” (□ page 52) • “Speaker Distance” (□ page 53) • “Level Calibration” (□ page 53) Ambient noise is too high. □ Ambient noise is too high. The background noise is too loud. Remove the source of the noise and try again. • Speaker Matching Error! The number of speakers detected was different from that of the first measurement. If this message appears after 2 or 3 attempts, contact your Onkyo dealer. If you’re using a powered subwoofer and it outputs very low-frequency sound at a low volume level, it may not be detected by Audyssey 2EQ Room Correction and Speaker Setup. If the “Subwoofer” appears on the “Review Speaker Configuration” screen as “No”, increase the subwoofer’s volume to the half-way point, set it to its highest crossover frequency, and then try running Audyssey 2EQ Room Correction and Speaker Setup again.

Note that if the volume is set too high and the sound distorts, detection issues may occur, so use an appropriate volume level. if the subwoofer has a low-pass filter switch , set it to Off or Direct. Refer to your subwoofer’s instruction manual for details. En-36 Turning On & Basic Operations Using the Listening Modes Selecting Listening Modes See “About Listening Modes” for detailed information about the listening modes (□ page 38). □ Listening Mode Buttons Press RECEIVER first. (North American and Taiwanese models) MOVIE/TV, MUSIC, GAME (European, Australian and Asian models) • The Dolby Digital and DTS listening modes can only be selected if your Blu-ray Disc/DVD player is connected to the AV receiver with a digital audio connection (coaxial, optical, or HDMI). □ The listening modes you can select depends on the format of the input signal. To check the format, see “Displaying Source Information” (□ page 43). □ While a pair of headphones is connected, you can select the following listening modes: Pure Audio (European, Australian and Asian models), Mono, Direct, and Stereo. PURE AUDIO MOVIE/TV, MUSIC, GAME MUSIC MOVIE/TV GAME STEREO MOVIE/TV button This button selects the listening modes intended for use with movies and TV.



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