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You can read the recommendations in the user guide, the technical guide or the installation guide for ONKYO TX-NR818. You'll find the answers to all your questions on the ONKYO TX-NR818 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-NR818  
User guide ONKYO TX-NR818  
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**ONKYO**

AV RECEIVER

**TX-NR818**

**Instruction Manual**

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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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□ Do not insert the speaker code directly into the center hole of the speaker terminal. If you're using only one surround back speaker, connect it to the SURR BACK L terminals. Front high, surround back and front wide speakers cannot be used at the same time. en-13 Connections □ 7. 1-channel playback Select the speakers (surround back, front high, front wide) you want to use for 7. 1-channel playback.

You can set which speakers you want to use by priority. 1-channel configuration shown on the left, you can enjoy 9. 1-channel playback. Connect your power amplifier's analog audio input jacks to the AV receiver's SB/FH/FW EXT AMP\*1 jacks with audio cables. To use the SB/FH/FW EXT AMP jacks, you must specify their channel with the "Preout to External Amplifier" setting (□ page 59). You can set which speakers you want to use by priority. Front Wide Power amplifier Surround right Surround back right Surround back left Surround left Surround back right/ Front high right/ Front wide right Surround back left/ Front high left/ Front wide left En-14 Connections Attaching the Speaker Cable Labels The speaker terminals are color-coded for identification purpose. Speaker Front left, Front high left, Front wide left, Zone 2 left, Zone 3 left Front right, Front high right, Front wide right, Zone 2 right, Zone 3 right Center Surround left Surround right Surround back left Surround back right Color White Red Green Blue Gray Brown Tan Speaker Connection Precautions Read the following before connecting your speakers: • You can connect speakers with an impedance of between 4 and 16 ohms. If the impedance of any of the connected speakers is 4 ohms or more, but less than 6 ohms, be sure to set the minimum speaker impedance to "4ohms" (□ page 59). 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 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. □ 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. 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. En-15 Connections Using Dipole Speakers Using Powered Subwoofers Bi-amping the Front Speakers Important: TV/screen 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 59).

You can use dipole speakers for the surround and surround back speakers. Dipole speakers output the same sound in two directions. Dipole speakers typically have an arrow printed on them to indicate how they should be positioned. The surround dipole speakers (a) should be positioned so that their arrows point toward the TV/screen, while the surround back dipole speakers (b) should be positioned so that their arrows point toward each other, as shown. Corner position 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. Tweeter (high) Woofer (low) Front right Front left En-16 Connections Connecting a Power Amplifier If you want to use a more powerful power amplifier, you can use the AV receiver as a preamp. connect all speaker outputs to the power amplifier.

See the manuals supplied with your amplifier for details. \*1 Using Speakers Without Crossover Network Important: • Speakers without crossover network are speakers with no built-in crossover network. □ With speakers without crossover network, be careful NOT to connect tweeters and woofers the wrong way around, as this may damage your speakers. □ With speakers without crossover network, be careful not to set "Speaker Type (Front)" to "Bi-Amp" as this may damage your speakers. Make sure that this setting is set to "Digital Crossover".

□ Confirm that your speakers are without crossover network by referring to your speaker manual. Note • You need to make the setting before connecting the speakers. Front Wide Note \*1 \*2 Specify "None" for any channel that you don't want to output (□ page 60). When connecting to the SB/FH/FW EXT AMP jacks, you must set the "Preout to External Amplifier" setting (□ page 59). Connecting speakers without crossover network provide a fine, three-dimensional sound field that extends bass and treble performance to the fullest extent.

When speakers without crossover network are used, the AV receiver is able to drive up to a 5. 1 speaker system in the main room. You must enable "Digital Crossover" in "Speaker Type (Front)" (□ page 59) and make the settings of "Digital Processing Crossover Network" (□ page 63). tweeter (high) Woofer (low) Front right Front left En-17 Connections About AV Connections Connecting AV components a HDMI cable TV, projector, etc. \*1 : Video & Audio • Push plugs in all the way to make good connections (loose connections can cause noise or malfunctions). □ To prevent interference, keep audio and video cables away from power cords and speaker cables. right! □ Optical digital audio Optical digital connections allow you to enjoy digital sound such as PCM\*2, Dolby Digital or DTS.



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The audio quality is the same as coaxial. □ Coaxial digital audio Coaxial digital connections allow you to enjoy digital sound such as PCM\*2, Dolby Digital or DTS. The audio quality is the same as optical.

orange Blu-ray Disc/ DVD player Game console Other cables TV , projector , etc. : Video : Audio □ 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 □ Analog audio (RCA) Analog audio connections (RCA) carry analog audio. White Red AV receiver Green Blue Red \*2 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 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. □ 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. □ Composite video Composite video is commonly used on TVs, DVDs, and other video equipment.

Yellow • To prevent shutter damage, hold the optical plug straight when inserting and removing. En-18 Connections Connecting Components with HDMI Satellite/cable set-top box, etc. \* \* 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 58). 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. □ □ □ □ □ □ Tip • To listen to the audio of a component connected via HDMI through your TV's speakers, enable "HDMI Through" (□ page 75) and set the AV receiver to standby mode. 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 The Audio Return Channel (ARC) function enables an HDMI capable TV to send the audio stream to HDMI OUT MAIN on 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 75), and – "Audio Return Channel" is set to "Auto" (□ page 76). See also: • "Connection Tips and Video Signal Path" (□ page 101) • "Using an RIHD-compatible TV, Player, or Recorder" (□ page 104) • "About HDMI" (□ page 106) □ 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-19 Connections Connecting Your Components The on-screen menus appear only on a TV that is connected to HDMI OUT MAIN. If your TV is connected to other video outputs, use the AV receiver's display when changing settings. 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 101). □: Assignment can be changed (□ page 58).

no. Jack/Port Components iPod/iPhone, MP3 player, USB flash drive iPod/iPhone (video playback) Camcorder, etc A B C USB\*1\*2 USB, AUX INPUT VIDEO\*3 AUX INPUT VIDEO AUDIO L/R DIGITAL D DIGITAL IN COAXIAL 1 (BD/DVD) Blu-ray Disc/DVD player □ □ □ □ □ COAXIAL 2 (CBL/SAT) Satellite/cable set-top box, etc. cOAXIAL 3 (STB/DVR) Set top box/digital video recorder , etc OPTICAL 1 (GAME 1) OPTICAL 2 (TV/CD) E F ETHERNET MONITOR OUT BD/DVD IN CBL/SAT IN STB/DVR IN GAME 1 IN PC IN TV/CD IN Game consoles TV , CD player Router TV , projector , etc. Blu-ray Disc/DVD player Satellite/cable set-top box, etc. Set top box/digital video recorder, etc Game console, RI dock Personal computer TV, CD player, cassette tape deck, MD, CD-R, Turntable\*4, RI dock Turntable\*4 Front A B C Rear D A E F G H GND screw PHONO IN To be continued En-20 Connections No. jack/Port G COMPONENT VIDEO MONITOR OUT IN 1 (BD/DVD) IN 2 (CBL/SAT) H PC IN\*5 TV , projector , etc. Blu-ray Disc/DVD player, RI dock Satellite/cable set-top box, RI dock, etc. Personal computer □ Components • 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. Connecting Onkyo RI Components □ 1 2 3 Make sure that each Onkyo component is connected with an analog audio cable (connection F in the hookup examples) (□ page 20). Make the u connection (see the illustration).

If you're using an RI Dock, or cassette tape deck, change the Input Display (□ page 48) , cassette tape deck R L ANALOG AUDIO OUT Note \*1 \*2 \*3 \*4 \*5 Do not connect the AV receiver's USB port to a USB port on your computer. Music on your computer cannot be played through the AV receiver in this way. Only the front-panel USB input is compatible with iPod/iPhone. When the USB input is selected, you can input video signals from the AUX INPUT VIDEO jack.

Video signals input from AUX INPUT VIDEO will be output from the MONITOR OUT V and HDMI output jacks. Connect a turntable (MM) that has a built-in phono preamp to TV/CD IN, or connect it to PHONO IN with the phono preamp turned off. If your turntable (MM) doesn't have a phono preamp, connect it to PHONO IN. If your turntable has a moving coil (MC) type cartridge, you'll need a commercially available MC head amp or MC transformer to connect to PHONO IN. See your turntable's manual for details.

If your turntable has a ground wire, connect it to the AV receiver's GND screw. With some turntables, connecting the ground wire may produce an audible hum. if this happens , disconnect it. When you connect your personal computer to PC IN and select the PC input selector, the video of the personal computer is output from the HDMI outputs. However, if you have assigned the HDMI inputs to the PC input selector, the AV receiver will output signals received from the HDMI inputs instead of signals from PC IN. To have the signals output from PC IN, select "- - - -" for "PC" in the "HDMI Input" setting (□ page 58).



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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 86).

**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 2/3 is on, the System On/Auto Power On and Direct Change u functions do not work.

□ With connection D, you can enjoy Dolby Digital and DTS. (To listen in Zone 2/3 as well, use D and F. ) • With connection F, you can enjoy audio from external components while you are in Zone 2/3. En-21 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 models European, Australian and Asian models Connecting the Power Cord 1 Connect the supplied power cord to the AV receiver's AC INLET. Insert the plug fully into the jack. 2 Assembling the AM loop antenna Caution Plug the power cord into an AC wall outlet. □ Be careful not to injure yourself when using thumbtacks.

thumbtacks, etc. 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-22 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 24). □ 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 107). 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 77). 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 56). □ For details on power management settings, see "Auto Standby" (□ page 76). 8RECEIVER RECEIVER En-23 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. 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 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 77). Audyssey MultEQ XT32: 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 MultEQ XT32: 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 37). 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 MultEQ XT32: Auto Setup". No: Skips the settings and terminates the initial setup. The setup wizard goes to "Terminating the Initial Setup" (□ page 25).



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You can always restart the initial setup by selecting "Initial Setup" in the "Hardware Setup" menu (□ page 77). En-24 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. 2 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 84). 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. 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. press ENTER to terminate the initial setup. Tip • If you have selected "Wireless (Option)", you need to configure the optional wireless adapter. For further details, see the instruction manual provided with the wireless adapter (UWF-1). No, Do it Later: Skips this step and terminates the initial setup. The setup wizard goes to "Terminating the Initial Setup". Terminating the Initial Setup Network Connection This step checks your network connection. This step ends the initial setup process. 4 1 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. press ENTER. To restart the initial setup, select "Initial Setup" in the "Hardware Setup" menu (□ page 77). En-25 Turning On & Basic Operations Playback The on-screen information appears only on a TV that is connected to HDMI outputs. 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. 2 Playing the Connected Component □ Operating with the remote controller Start playback on the source component. See also: • "Playing an iPod/iPhone via USB" (□ page 28) • "Playing a USB Device" (□ page 29) • "Listening to vTuner Internet Radio" (□ page 29) • "Registering Other Internet Radio" (□ page 30) • "Playing Music Files on a Server (DLNA)" (□ page 31) • "Remote Playback" (□ page 32) • "Playing Music Files on a Shared Folder" (□ page 33) • "Listening to AM/FM Radio" (□ page 34) • "Playing Audio and Video from Separate Sources" (□ page 36) • "iPod/iPhone Playback via Onkyo Dock" (□ page 82) • "Controlling Other Components" (□ page 84) To adjust the volume, use VOL q/w. select a listening mode and enjoy! See also: • "Using the Listening Modes" (□ page 40) • "Sound Program Edit" (□ page 66)

□ Operating on the AV receiver Input selector buttons MASTER VOLUME LISTENING MODE 1 2 3 4 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. select a listening mode and enjoy! INPUT SELECTOR RECEIVER VOL q/w 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 74). □ The screen will return to its previous state if the AV receiver is operated. Listening mode buttons 1 Press RECEIVER followed by an INPUT SELECTOR button. en-26 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. 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 84). Note • The buttons you can use will differ depending on the devices and media used for playback. 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. I a b c d e f g j k l m n o p q En-27 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 information appears only on a TV that is connected to HDMI outputs. 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 (middle) 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."



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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-28 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 AUX INPUT VIDEO jack on the AV receiver's front panel. Playing a USB Device The on-screen information appears only on a TV that is connected to HDMI outputs. This section explains how to play music files from a USB device (e. Listening to vTuner Internet Radio You need to connect the AV receiver to your home network (□ page 107).

The on-screen information appears only on a TV that is connected to HDMI outputs. 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. 1 2 3 4 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.

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 AUX INPUT 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. 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.

□ 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. My Music 0 : 11 Great Artist My Favorite 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-29 Turning On & Basic Operations □ 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". Registering Other Internet Radio You need to connect the AV receiver to your home network (□ page 107).

The on-screen information appears only on a TV that is connected to HDMI outputs. 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. Tip • If you want to add a new station directly from "My Favorites", select an empty slot in the list and press MENU. then , select "Create New Station" and press ENTER. Pressing ENTER again will display the keyboard screen. Use that keyboard to enter the station's name and URL respectively, and then press ENTER.

□ If you want to delete a station saved in "My Favorites", press MENU with the station selected or while the station is playing. 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.

• You can save up to 40 Internet radio stations. 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 <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 76). 1 2 3 Select "Network" on the Setup menu to verify your IP address (□ page 77). 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.



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4 En-30 Turning On & Basic Operations Changing the Icon Layout on the Network Service Screen You need to connect your TV to the HDMI output (HDMI OUT MAIN) to make the following on-screen setting. The layout of icons can be customized by switching their positions on the network service screen. Playing Music Files on a Server (DLNA) You need to connect the AV receiver to your home network (□ page 107). The on-screen information appears only on a TV that is connected to HDMI outputs. 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. My favorite song 1 0 : 11 Artist name My favorite album 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.

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.

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. 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. 3 4 Use q/w/e/r to select “DLNA”, and press ENTER. 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. 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. 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”. 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 Remote Playback You need to connect the AV receiver to your home network (□ page 107). The on-screen information appears only on a TV that is connected to HDMI outputs. 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. 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 (0dB). 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 30). 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. – Zones are turned on. Using Remote Playback 1 2 3 Turn on the AV receiver.

start Windows Media Player 12. 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. 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. 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. 4 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-32 Turning On & Basic Operations Playing Music Files on a Shared Folder This section explains how to play music files on a computer or NAS (Network Attached Storage) through the AV receiver. □ Creating a shared folder Playing music files on a shared folder In order to enjoy Home Media, you must first create a shared folder on your computer. Windows 7 Setup □ Setting the sharing options 1 2 3 4 5 6 Right-click the folder that you want to share. Check the check box of “Share this folder” and then click “OK”.

under “Network File and Folder Sharing”, select “Share”. Select and add “Everyone” from the pull-down menu and then click “Share”. Tip • With this setting, everyone is allowed to access the folder. If you want to assign a user name and password to the folder, make the corresponding settings for “Permissions” in “Advanced Sharing” of the “Sharing” tab. • Verify that “Workgroup” is properly set.

Note • When using NAS (Network Attached Storage), refer to the instruction manual provided with your NAS unit. 1 On the remote controller, press RECEIVER followed by NET. Tip • The same operation can be done by selecting “Network Service” in the Home menu. 1 Select “Choose homegroup and sharing options” on the Control Panel. Tip • If this option is not available, verify that “View by:” is set to “Category”. 2 3 Use q/w/e/r to select “Home Media”, and press ENTER. Use q/w to select a server, and then press ENTER.



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Tip • The server name of your computer can be viewed on the computer properties screen. 2 3 Select “Change advanced sharing settings”. Under “Home or Work”, verify that the following items are checked: “Turn on network discovery”, “Turn on file and printer sharing”, “Turn on sharing so anyone with network access can read and write files in the Public folders”, and “Turn off password protected sharing”.

select “Save changes” and click “OK” on the confirmation screen. 4 5 Use q/w to select the desired shared folder and then press ENTER. When asked for a user name and password, enter the necessary login information. Tip • The login information will be remembered for the next time you log in. □ The login information is that of the user account set when creating a shared folder. 4 6 Use q/w to select a music file and then press ENTER or 1. The playback of the selected file starts. En-33 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 □ Tuning into stations by frequency You can tune into AM and FM stations directly by entering the appropriate frequency. 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 On the remote controller, press TUNER repeatedly to select “AM” or “FM”, followed by D. tUN. Using the Tuner With the built-in tuner you can enjoy AM and FM radio stations.

You can store your favorite stations as presets for quick selection. You can also change the frequency steps (□ page 74). (Actual display depends on the country. Each time you press TUNER, the radio band changes between AM and FM. Band Frequency 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. FM STEREO Tip Presetting AM/FM Stations You can store a combination of up to 40 of your favorite AM/FM radio stations as presets. (Actual display depends on the country. ) • 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. 1 2 Tune into the AM/FM station that you want to store as a preset. The preset number flashes. □ Manual tuning mode In manual tuning mode, FM stations will be in mono. 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. (Actual display depends on the country. ) 3 While the preset number is flashing (about 8 seconds), use PRESET e/r to select a preset from 1 through 40. To be continued En-34 Turning On & Basic Operations 4 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. Using RDS (excluding North American 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. TP (Traffic Program) This allows you to search for RDS radio stations that broadcast traffic information (□ page 36). 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. □ Displaying Radio Text (RT) □ Selecting Presets 1 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. 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. □ 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. □ Finding Stations by Type (PTY) You can search for radio stations by type. 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 the enter button. 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 the enter button. If no stations are found, the message “Not Found” appears.

En-35 Turning On & Basic Operations □ 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 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 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! Playing Audio and Video from Separate Sources You can listen to the audio of one input source while watching the video of another.



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