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You can read the recommendations in the user guide, the technical guide or the installation guide for DENON PMA-1510AE. You'll find the answers to all your questions on the DENON PMA-1510AE in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

**User manual DENON PMA-1510AE**  
**User guide DENON PMA-1510AE**  
**Operating instructions DENON PMA-1510AE**  
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## DENON

INTEGRATED AMPLIFIER

### PMA-1510AE

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Owner's Manual  
Bedienungsanleitung  
Manuel de l'Utilisateur  
Manuale delle istruzioni  
Manual del usuario  
Gebruiksaanwijzing  
Bruksanvisning



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**Manual abstract:**

@@@2. 3. 4. 5. 6. @@Keep these instructions. Heed all warnings. Follow all instructions. Do not use this apparatus near water. Clean only with dry cloth.

Do not block any ventilation openings. Install in accordance with the manufacturer's instructions. 8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat. 9.

Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus. 10. Only use attachments/accessories specified by the manufacturer. 11. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus.

When a cart is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over. 12. @@13. Refer all servicing to qualified service personnel. @@14. @@@@Der Netzstecker wird verwendet, um die Stromversorgung zum Gerät völlig zu unterbrechen; er muss für den Benutzer gut und einfach zu erreichen sein. PRECAUTION: Pour déconnecter complètement ce produit du courant secteur, débranchez la prise de la prise murale. La prise secteur est utilisée pour couper complètement l'alimentation de l'appareil et l'utilisateur doit pouvoir y accéder facilement. ATTENZIONE: Per scollegare completamente questo prodotto dalla rete di alimentazione elettrica, scollegare la spina dalla relativa presa a muro. La spina di rete viene utilizzata per interrompere completamente l'alimentazione all'unità e deve essere facilmente accessibile all'utente.

PRECAUCIÓN: CAUTION: HOT SURFACE. DO NOT TOUCH. Hot surface mark PRECAUCIÓN: The top surface over the internal heat sink may become hot when operating this product continuously. Do not touch hot areas, especially around the "Hot surface mark" and the top panel. SUPERFICIE CALIENTE. NO TOCAR. La superficie superior sobre el disipador de calor interno podría llegar a calentarse al operar este producto de forma continua. No toque las áreas calientes, especialmente las situadas alrededor de la "Hot surface mark" y del panel superior. Para desconectar completamente este producto de la alimentación eléctrica, desconecte el enchufe del enchufe de la pared. El enchufe de la alimentación eléctrica se utiliza para interrumpir por completo el suministro de alimentación eléctrica a la unidad y debe de encontrarse en un lugar al que el usuario tenga fácil acceso.

WAARSCHUWING: VORSICHT: HEISSE OBERFLÄCHE. NICHT ANFASSEN. WAARSCHUWING: Die Oberseite über dem inneren Kühlkörper könnte heiß werden, wenn dieses Produkt dauerhaft betrieben wird. Berühren Sie keine heißen Bereiche, hier besonders um die Kennzeichnung "Hot surface mark" und die Oberseite. HEET OPPELVAK.

NIET AANRAKEN. Bij ononderbroken bediening van dit product kan het oppervlak boven de interne koelplaat heet worden. Raak het toestel niet aan waar het heet is, vooral niet in de buurt van het "Hot surface mark" en het bovenpaneel. Om de voeding van dit product volledig te onderbreken moet de stekker uit het stopcontact worden getrokken. De netstekker wordt gebruikt om de stroomtoevoer naar het toestel volledig te onderbreken en moet voor de gebruiker gemakkelijk bereikbaar zijn.

FÖRSIKTIHETSMÅTT: PRECAUTION: SURFACE CHAUDE. NE PAS TOUCHER. FÖRSIKTIHETSMÅTT: VARM YTA. RÖR EJ. Ytan ovanför den interna kylflänsen kan bli varm när produkten används kontinuerligt. Rör inte varma områden. Var särskilt försiktig vid märkningen "Hot surface mark" och på toppanelen. La surface supérieure du dissipateur de chaleur peut devenir chaude si vous utilisez ce produit en continu. Ne touchez pas les zones chaudes, tout particulièrement vers l'inscription "Hot surface mark" et le panneau supérieur. Koppla loss stickproppen från eluttaget för att helt skilja produkten från nätet.

Stickproppen används för att helt bryta strömförsörjningen till apparaten, och den måste vara lättillgänglig för användaren. ATTENZIONE: SUPERFICIE CALDA. NON TOCCARE. La superficie superiore al di sopra del dissipatore interno può riscaldarsi quando si adopera questo prodotto in maniera continuativa. Non toccare parti calde, in particolare quelle intorno alla dicitura "Hot surface mark" e al pannello superiore. I SVENSKA NEDERLANDS ESPAÑOL ITALIANO FRANCAIS DEUTSCH ENGLISH n NOTE ON USE / HINWEISE ZUM GEBRAUCH / OBSERVATIONS RELATIVES A L'UTILISATION / NOTE SULL'USO / NOTAS SOBRE EL USO / ALVORENS TE GEBRUIKEN / OBSERVERA ANGÅENDE ANVÄNDNINGEN WARNINGS . Avoid high temperatures. Allow for sufficient heat dispersion when installed in a rack. · Handle the power cord carefully. Hold the plug when unplugging the cord. · Keep the unit free from moisture, water, and dust.

· Unplug the power cord when not using the unit for long periods of time. · Do not obstruct the ventilation holes. · Do not let foreign objects into the unit. · Do not let insecticides, benzene, and thinner come in contact with the unit. · Never disassemble or modify the unit in any way.

· Ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, tablecloths or curtains. · Naked flame sources such as lighted candles should not be placed on the unit. · Observe and follow local regulations regarding battery disposal. · Do not expose the unit to dripping or splashing fluids. · Do not place objects filled with liquids, such as vases, on the unit.

· Do not handle the mains cord with wet hands. · When the switch is in the OFF position, the equipment is not completely switched off from MAINS. · The equipment shall be installed near the power supply so that the power supply is easily accessible. WARNHINWEISE · Vermeiden Sie hohe Temperaturen. Beachten Sie, dass eine ausreichende Belüftung gewährleistet wird, wenn das Gerät auf ein Regal gestellt wird. · Gehen Sie vorsichtig mit dem Netzkabel um.

Halten Sie das Kabel am Stecker, wenn Sie den Stecker herausziehen. · Halten Sie das Gerät von Feuchtigkeit, Wasser und Staub fern. · Wenn das Gerät längere Zeit nicht verwendet werden soll, trennen Sie das Netzkabel vom Netzstecker. · Decken Sie den Lüftungsbereich nicht ab.

· Lassen Sie keine fremden Gegenstände in das Gerät kommen. · Lassen Sie das Gerät nicht mit Insektiziden, Benzin oder Verdünnungsmitteln in Berührung kommen.



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· Versuchen Sie niemals das Gerät auseinander zu nehmen oder zu verändern. · Die Belüftung sollte auf keinen Fall durch das Abdecken der Belüftungsöffnungen durch Gegenstände wie beispielsweise Zeitungen, Tischtücher, Vorhänge o. Ä. behindert werden. · Auf dem Gerät sollten keinerlei direkte Feuerquellen wie beispielsweise angezündete Kerzen aufgestellt werden. · Bitte beachten Sie bei der Entsorgung der Batterien die örtlich geltenden Umweltbestimmungen. · Das Gerät sollte keiner tropfenden oder spritzenden Flüssigkeit ausgesetzt werden. · Auf dem Gerät sollten keine mit Flüssigkeit gefüllten Behälter wie beispielsweise Vasen aufgestellt werden.

· Das Netzkabel nicht mit feuchten oder nassen Händen anfassen. · Wenn der Schalter ausgeschaltet ist (OFF-Position), ist das Gerät nicht vollständig vom Stromnetz (MAINS) abgetrennt. · Das Gerät sollte in der Nähe einer Netzsteckdose aufgestellt werden, damit es leicht an das Stromnetz angeschlossen werden kann. AVERTISSEMENTS · Eviter des températures élevées. Tenir compte d'une dispersion de chaleur suffisante lors de l'installation sur une étagère. · Manipuler le cordon d'alimentation avec précaution. Tenir la prise lors du débranchement du cordon. · Protéger l'appareil contre l'humidité, l'eau et la poussière. · Débrancher le cordon d'alimentation lorsque l'appareil n'est pas utilisé pendant de longues périodes. · Ne pas obstruer les trous d'aération. · Ne pas laisser des objets étrangers dans l'appareil. · Ne pas mettre en contact des insecticides, du benzène et un diluant avec l'appareil. · Ne jamais démonter ou modifier l'appareil d'une manière ou d'une autre. · Ne pas recouvrir les orifices de ventilation avec des objets tels que des journaux, nappes ou rideaux. Cela entraverait la ventilation. · Ne jamais placer de flamme nue sur l'appareil, notamment des bougies allumées. · Veillez à respecter les lois en vigueur lorsque vous jetez les piles usagées. · L'appareil ne doit pas être exposé à l'eau ou à l'humidité. · Ne pas poser d'objet contenant du liquide, par exemple un vase, sur l'appareil. · Ne pas manipuler le cordon d'alimentation avec les mains mouillées.

· Lorsque l'interrupteur est sur la position OFF, l'appareil n'est pas complètement déconnecté du SECTEUR (MAINS). · L'appareil sera installé près de la source d'alimentation, de sorte que cette dernière soit facilement accessible. AVVERTENZE · Evitate di esporre l'unità a temperature elevate. Assicuratevi che vi sia un'adeguata dispersione del calore quando installate l'unità in un mobile per componenti audio. · Maneggiate il cavo di alimentazione con attenzione. Tenete ferma la spina quando scollegate il cavo dalla presa. · Tenete l'unità lontana dall'umidità, dall'acqua e dalla polvere. · Scollegate il cavo di alimentazione quando prevedete di non utilizzare l'unità per un lungo periodo di tempo. · Non coprite i fori di ventilazione. · Non inserite corpi estranei all'interno dell'unità.

· Assicuratevi che l'unità non entri in contatto con insetticidi, benzolo o solventi. · aratuur wordt in de buurt van het stopcontact geïnstalleerd, zodat dit altijd gemakkelijk toegankelijk is. VARNINGAR · Undvik höga temperaturer. Se till att det finns möjlighet till god värmeavledning vid montering i ett rack. · Hantera nätkabeln varsamt.

Håll i kabeln när den kopplas från el-uttaget. · Utsätt inte apparaten för fukt, vatten och damm. · Koppla loss nätkabeln om apparaten inte kommer att användas i lång tid. · Tapp inte till ventilationsöppningarna. · Se till att främmande föremål inte tränger in i apparaten.

· Se till att inte insektsmedel på spraybruk, bensen och thinner kommer i kontakt med apparatens hölje. · Ta inte isär apparaten och försök inte bygga om den. · Ventilationen bör inte förhindras genom att täcka för ventilationsöppningarna med föremål såsom tidningar, bordsdukar eller gardiner. · Placera inte öppen eld, tEC alla direttiva EMC 2004/108/EC, alla norma EC 1275/2008 e alla relativa legge quadro 2009/125/EC in materia di prodotti alimentati ad energia (ErP). QUESTO PRODOTTO E' CONFORME AL D.M. 28/08/95 N. 548 Les matériaux d'emballage de ce produit sont recyclables et peuvent être réutilisés. @@@@ More than 0.3 m is recommended.

· Do not place any other equipment on this unit. @@ · Empfohlen wird über 0,3 m. · Keine anderen Gegenstände auf das Gerät stellen. @@ · Une distance de plus de 0,3 m est recommandée. · Ne placez aucun matériel sur cet appareil. z Per una dispersione adeguata del calore, non installare questa apparecchiatura in uno spazio ristretto, come ad esempio una libreria o simili. · Si raccomanda una distanza superiore ai 0,3 m. · Non posizionare alcun altro oggetto o dispositivo su questo dispositivo. z Para la dispersión del calor adecuadamente, no instale este equipo en un lugar confinado tal como una librería o unidad similar. · Se recomienda dejar más de 0,3 m alrededor.

· No coloque ningún otro equipo sobre la unidad. z Plaats dit toestel niet in een kleine afgesloten ruimte, zoals een boekenkast e.d., omdat anders de warmte niet op gepaste wijze kan worden afgevoerd. · Meer dan 0,3 m is aanbevolen.

· Plaats geen andere apparatuur op het toestel. @@ en bokhylla eller liknande. · Mer än 0,3 m rekommenderas. @@@@ Las pilas nunca deberán tirarse ni incinerarse. @@@@ Op dit product en de meegeleverde accessoires, m.

u.v. @@ Kassera det enligt lokala återvinningsbestämmelser. @@ Batterier får absolut inte kastas i soporna eller brännas. Kassera dem enligt lokala bestämmelser för kemiskt avfall. @@@@ 1 e Power cord (Cord length: Approx. 1.5 m) ...

.....  
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.....  
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@@@@ · Power is supplied to some of the circuitry even when the unit is set to the standby mode. When leaving home for long periods of time, be sure to unplug the power cord from the power outlet.



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· About condensation If there is a major difference in temperature between the inside of the unit and the surroundings, condensation may form on parts inside the unit, causing the unit to fail to operate properly. If this happens, let the unit sit for an hour or two with the power off and wait until there is little difference in temperature before using the unit. · Cautions on using mobile phones Using a mobile phone near this unit may result in noise. If that occurs, move the mobile phone away from the unit when it is in use. · Moving the unit Turn off the power and unplug the power cord from the power outlet. Next, disconnect the cables connected to other system units before moving the unit. About the remote control The supplied remote control can be used to control DENON CD players and tuners. · The remote control may not operate some products.

Operating range of the remote control operate the remote control while pointing it at the remote sensor. Getting started Getting started Basic connections Basic operation Advanced connections Advanced operation Explanation terms Troubleshooting Specifications Index Inserting the batteries q Remove the rear cover of the remote control. w Place two R03/AAA batteries in the battery compartment in the indicated direction. R03/AAA Approx. 8 m 30° 30° e Put the rear cover back on.

NOTE NOTE · Replace the batteries with new ones if the unit does not operate even when the remote control is operated close to the unit. · The supplied batteries are only for verifying operation. · Insert the batteries in the proper direction, following the "q" and "w" marks in the battery compartment. · To prevent damage or leakage of battery fluid: · Do not use a new battery with an old one. · Do not use two different types of batteries.

· Do not attempt to charge dry batteries. · Do not short-circuit, disassemble, heat or dispose of batteries in a fire. · If the battery fluid leaks, carefully wipe the fluid off the inside of the battery compartment and insert new batteries. · Remove the batteries from the remote control if it will not be used for a long time. · Used batteries in accordance with local regulations on battery disposal. The unit may function improperly or the remote control may not operate if the remote control sensor is exposed to direct sunlight, or strong artificial light from a fluorescent or infrared light.

2 ENGLISH Part names and functions For buttons not explained here, see the page indicated in parentheses ( ). Getting started Front panel Q3 Q2 Q1 Q0 Rear panel i u y Basic connections Basic operation Advanced connections Advanced operation Explanation terms q w e r t y u i o q w e r t q Power indicator ..... (7) Indicates the status of the unit's as follows: · For several seconds after the power is turned on ...

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 .....

.....  
 ....Red (blinking) · Power "ON" .

.....  
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 .....

..... Green · Muting.....

.....  
 ....  
 ....  
 .....

.....Red (blinking) · Standby .....

.....  
 ....  
 ....  
 .....

.....Red · Power "OFF" ..

.....  
 ....  
 ....  
 .....

... Off · Eco Mode Standby..

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 .....

@@@- The remote control may not operate some products. @@@@- Do not bundle power cords with connection cables. Doing so can result in humming or noise. @@@@- Never touch the speaker terminals while the power supply is connected. Doing so could result in electric shock. Advanced connections Advanced operation Explanation terms Preparations Connecting cables Select the cables according to the equipment being connected.

1 Peel off about 10 mm of sheathing from the tip of the speaker cable, terminal 2 Turn the speaker to loosen it. counterclockwise L R then either twist the core wire tightly or apply solder to it. Speaker impedance Use speakers with impedances within the ranges shown below to suit how they are used. Speakers used A B A and B Bi-wiring Connection Impedance 4 - 16 4 - 16 8 - 16 4 - 16 Audio cables Analog connections (stereo) (White) (Red) L R Stereo pin-plug cable Speaker connections 3 Insert to the speaker cable's core wire all the way into the speaker terminal.

Protection circuit The protection circuit is activated in the following situations: · If the speaker cable wire touches the rear panel or screws or if the speaker cable wire touches the speaker cable's + and - sides are touching · If the surrounding temperature is extremely high · If the inside of the amplifier gets hot to extended use at a high output If this happens, unplug the power cord, then check the connections of the speaker cables and input cables. If the unit becomes very hot, wait for it to cool off and improve the ventilation around it. After doing this, plug the power cord back in. If the protection circuit is activated even though there are no problems with the ventilation around the unit or in connections, the unit may be damaged. Turn off the power and then contact a DENON service center. Troubleshooting Speaker cables 4 Turn the speaker terminal clockwise to tighten it. Speaker terminal dimensions 8mm 5mm Specifications Index 5 ENGLISH Basic connections Speaker connections · The same signal is output from the SPEAKER A and B terminals. · When only one set of speakers is to be connected, use either the SPEAKER A or B terminals. Speakers A (L) (R) Connecting players Set CARTRIDGE selection switch by the type of your cartridge to be used MM (j) or MC (h). · The PHONO input terminals are equipped with a short pin-plug.

Remove this plug to connect a turntable. After removing the short pin-plug, keep it in a safe place so you don't lose it. · If humming or other noise is generated when the ground wire is connected, disconnect it. Turntable (L) (R) Getting started Basic connections Basic connections Basic operation Advanced connections Advanced operation Explanation terms Troubleshooting Specifications Index Speakers B w q w q w q w q Connect the ground wire from your turntable here. AUDIO OUT GND Tuner L R L R L R AUDIO AUDIO OUT L R CD player AUDIO AUDIO OUT BD player AUDIO L R L R L R Bi-wiring connection · When bi-wiring with bi-wireable speakers, connect the mid and high range terminals to SYSTEM (A) (or SYSTEM (B)), the low range terminals to SYSTEM (B) (or SYSTEM (A)).

· This enables playback with minimal interference between the high-range speaker unit and the low-range speaker unit. Speaker (R) w q w q Remove shorting bar Remove shorting bar LOW HIGH L R L R AUDIO OUT L R Connecting recorders Recorder-1 / Recorder-2 AUDIO AUDIO OUT L R L R L R Speaker (L) w q w q Remove shorting bar Remove shorting bar LOW HIGH Recorder-1 / Recorder-2 AUDIO AUDIO OUT R L R L L R AUDIO IN AUDIO IN L R L R L R L R L R L R NOTE NEVER insert the short-circuiting pin plug into the recording output.



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Doing so could result in damage. 6 ENGLISH Connecting the power cord Wait until all connections have been completed before connecting the power cord. To household power outlet (AC 230 V, 50 Hz) Power cord (supplied) Basic operation Symbols used to indicate buttons in this manual Button located on both the main unit and the remote control Button only on the main unit Button only on the remote control Getting started Before use Basic connections BUTTON <BUTTON> [BUTTON] <POWER> <SOURCE DIRECT> VOLUME NOTE · Insert the plugs securely.

Loose connections will result in the generation of noise. · Do not use any cord other than the provided power cord. 1 Turn the VOLUME all the way down. 2 Set <SOURCE DIRECT> to "OFF". 3 Set <BASS>, <TREBLE> and <BALANCE> to the center positions. 4 Press <POWER>. · The power indicator blinks red for several seconds, then lights green. · When set to "jOFF", the power turns off. Basic operation Advanced connections Advanced operation Explanation terms <BASS> <BALANCE> <TREBLE> [AMPLIFIER POWER] Turning the power off 1 Press [AMPLIFIER POWER]. 2 Press <POWER>.

NOTE The power is set to the standby mode. The power indicator turns off, and so does the power. Power continues to be supplied to some of the circuitry even when the power is in the standby mode. When leaving home for long periods of time or when going on vacation, either press <POWER> to turn off the power, or unplug the power cord from the power outlet. Troubleshooting VOLUME Specifications Index 7 ENGLISH Symbols used to indicate buttons in this manual Button located on both the main unit and the remote control Button only on the main unit Button only on the remote control BUTTON <BUTTON> [BUTTON] 1 Use INPUT SELECTOR to select the source. The input indicator for the selected source lights. [Selectable sources] Starting playback RECORDER-2 LINE Starting recording Set OUT SELECTOR> 1 you<REC to record. to the program source wish TUNER Getting started Basic connections Basic operation Basic operation Advanced connections Advanced operation Explanation terms Troubleshooting Specifications Index RECORDER-1 PHONO CD <SOURCE DIRECT> VOLUME <POWER AMP DIRECT> 2 Play the selected source. 3 Adjust the VOLUME to the desired level. 4 Adjust the tone with <BASS>, <TREBLE> and <BALANCE>.

<BASS> <BALANCE> INPUT SELECTOR PHONES jack <TREBLE> <REC OUT SELECTOR> [AMPLIFIER POWER] 2 Set the recorder to the record mode. 3 Start playing the source to be recorded. NOTE The recording source switches INPUT SELECTOR is operated during recording. · When the VOLUME control knob is turned just past the "12 o'clock" position (over halfway), the effect of BASS and TREBLE adjustments decreases. · When the VOLUME control knob is turned to maximum or all the way clockwise, the bases and treble can no longer be adjusted.

Copying recorders [Selectable sources] Turn the <REC SELECTOR> and select 1 "RECORDER-1OUT2" (or "RECORDER-2 1 1"). 1 RECORDER-1 1 2 RECORDER-2 1 1 5 DIRECT>. If there is no need to adjust the tone, press <SOURCE · When switched "hON", the signal does not pass through the tone adjustment circuitry (bass, treble and balance), resulting in playback of a higher sound quality. · When set to "jOFF", the sound can be adjusted to suit your taste. · The power indicator on the main unit blinks red.

· Press again for sound. b When copying from a device connected to the "RECORDER-1" terminal to a device connected to the "RECORDER-2" terminal, select "RECORDER-1 1 2". b When copying from a device connected to the "RECORDER-2" terminal to a device connected to the "RECORDER-1" terminal, select "RECORDER-2 1 1". VOLUME [MUTE] INPUT SELECTOR 6 Press [MUTE] to mute the sound. Using headphone set Plug headphones into PHONES jack. 2 Set the device connected to the RECORDER-1 (or RECORDER-2) terminal the record mode. 3 Start playback on the device connected to the RECORDER-2 (or RECORDER-1) terminal. · The sound to be recorded can be heard by selecting the playback source with the INPUT SELECTOR, while the recorded sound can be heard by selecting the recorder. · When performing these operations, also refer to the operating instructions of the other devices. · The speaker output turns off when the headphones are plugged in.

· To prevent hearing loss, do not raise the volume level excessively when using headphones. NOTE The sound may be interrupted or noise may be recorded if INPUT SELECTOR is operated during recording. 8 ENGLISH Advanced connections Connecting P.DIRECT jacks If you use a preamplifier, connect it as shown below, and then you can use this unit as a power amplifier. · Switching <POWER AMP DIRECT> "hON", allows the device connected to the Power Amp Direct connector on the rear panel to be played. When ON, the input indicator turns off. · Switching <POWER AMP DIRECT> "jOFF", allows the program source selected using the INPUT SELECTOR knob to be played. When OFF, the input indicator lights up. For details on operations of the preamplifier, refer to the instruction manual supplied with the preamplifier to be used. Advanced operations Connecting pre out jacks If you use a power amplifier or subwoofer, connect it as shown below, and then you can use this unit as a preamplifier.

For connecting speaker systems, refer to the instruction manual supplied with the power amplifier to be used. Getting started Setting Eco mode With the Eco mode ON, this unit will automatically enter the standby mode after about 30 continuous minutes of no output from the speakers or headphones. During standby mode with the Eco mode ON, the Power indicator is unlit to reduce power consumption. Basic connections Power-amplifier Press and hold [AMPLIFIER POWER] on the remote control for at least 5 seconds. Basic operation · Eco mode is switched between On and Off.

· The Power indicator indicates Eco mode On/Off during Standby, as shown below. Eco mode "Off" "Lit in red" L R Advanced connections Advanced operation Explanation terms Pre-amplifier Eco mode "On" "Unlit" Speaker (L) Speaker (R) · The Power indicator flashes in red during Eco mode setting. To input jacks · If you set the Eco mode while the unit is ON, the unit will enter the standby mode as soon as the Eco mode setting is completed. · The default setting for the Eco mode is OFF. L R R L To PRE OUT jacks (L) (R) w qw q NOTE If a source other than that selected with INPUT SELECTOR is selected with <REC OUT SELECTOR>, this unit does not enter the standby mode.



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This unit enters the standby mode if it detects no output from the source selected with INPUT SELECTOR. Therefore if a source not selected with INPUT SELECTOR is output from the REC OUT terminals, the function of automatically entering standby mode is disabled to avoid interruption of power during recording. R L NOTE · NEVER insert the short-circuiting pin plug into the PRE OUT terminals. Doing so could result in damage. · Signals are output from the PRE OUT terminals even when using headphones. Troubleshooting Specifications NOTE · When the <POWER AMP DIRECT> switch is "hON", adjustment of the volume, balance and tone on the main unit has no effect. Adjust the volume on the input device. · When the <POWER AMP DIRECT> switch is "hON", the main unit outputs at maximum volume. @@@@ For switching, use the MM/MC cartridge select button. P Protection Circuit This is a function to prevent damage to components within the power supply when an abnormality such as an overload or excess voltage occurs for any reason.

In this unit, the power indicator blinks and the unit enters standby mode when an abnormality occurs. S Source direct Playback with higher fidelity to the source becomes possible, as input audio signals are output by bypassing the audio quality-control circuits (bass/ treble/balance). Speaker impedance This is certain-rated resistance of the speaker set to an alternating current and expressed in ohms. The smaller the impedance, the greater the output. However, load on the amplifier is increased. @@Are the connections correct? 2. Is the unit being operated as described in the owner's manual? 3. Are the other components operating properly? @@If the problem persists there may be a malfunction. @@@ · Check if the cord is securely inserted into the indicator does not light and no sound is unit's AC inlet and the wall power outlet. produced.

Power switches off suddenly while you · The protection circuit will be activated depending · Please switch off power at once, and re-apply are using the unit, the power indicator will upon the temperature rise in the internal parts the power after the body temperature has fallen flash in red at intervals of approximately 1 of the unit. sufficiently. seconds. · Please re-install the unit in a place having good ventilation. Power switches off suddenly while you · A speaker with impedance not supported by this · Please use speakers which have the specified impedance. unit is used. are using the unit, the power indicator will flash red at intervals of approximately 0.5 · The protection circuit has been activated because · Unplug the power cord, then after twisting the the core wires of different speaker cables have core wires together tightly again, or effecting seconds. touched each other or a core wire was slipped termination treatments etc, please reconnect out of the terminal and is touching the unit's rear once again. panel. · The amplifier circuit has failed. · Switch off the power and please contact the Even applying power, the power display DENON service adviser. flashes red at intervals of approximately 0.5 seconds. The power indicator lights but no sound is · The speaker cables are not fully connected. · Connect securely. produced. · The device you want to listen to has not been · Insure the correct input is selected. selected. · The volume control is set to minimum.

· Set to an appropriate level. · The input cable is not fully connected. · Connect securely. Sound is only produced from the left or · The speaker cables are not fully connected. · Connect securely. right speaker (s). · The input cable is not fully connected. · Connect securely. · The left/right balance is off. · Adjust to a proper balance with the balance control knob.

The left and right of stereo sound is · The connections of the speakers or input cables · Check the connections to be sure that left is reversed. are reversed. connected to left, right to right. Humming sound is heard in the music · The player's ground wire is not connected. · Connect securely. when playing records. · The cables are not fully connected to the PHONO · Connect securely. terminals. · Influence from a TV or VCR near the player. · Try changing the positions in which the devices are installed.

Howling is produced along with the music · The player and speakers are too close together. · Install the player and speakers as far from each if the volume is too high when playing other as possible. records. · The vibrations from the speakers are being · Use cushions, etc., to absorb the speakers' transmitted to the player through the floor. vibrations. When playing a record, the sound is · The needle pressure is incorrect. · Adjust to a proper needle pressure. distorted. · There is dirt on the tip of the needle.

· Check the tip of the needle. · The cartridge is defective. · Replace the cartridge. Page 7 Getting started Basic connections Basic operation Advanced connections Advanced operation Explanation terms Explanation terms Troubleshooting Troubleshooting Specifications Index 5 III 5 5 6 7 8 6 6 6 8 6 6 6 10 ENGLISH Specifications n Power amplifier section Rated Output Power: 2-channel driving (CD SP OUT) 70 W + 70 W (8 , 20 Hz 20 kHz, T.H.D. 0.07 %) Dynamic power: 140 W + 140 W (4 , DIN, 1 kHz, T.H.D. 0.7 %) High frequency distortion: 0.01 % (Rated output: 3 dB), 8 , 1 kHz Output terminals: Speaker A or B: 4 16 A + B: 8 16 Suited for headphones/stereo headphones Input Sensitivity / Input Impedance: POWER AMP DIRECT: 0.84 V / 47 k Amplification factor: 29 dB Index vA Adjusting the tone ..... 8 Adjusting the volume ..... 8 Getting started Basic connections vB BALANCE ..... 7, 8 BASS ..... 7, 8 Batteries ..... 7, 8 ..... 2 Bi-wiring Connection ..... 6 Basic operation n Pre amplifier section Equalizer amplifier output: 150 mV (REC OUT terminals) Input Sensitivity/Input Impedance: PHONO (MM): 2.



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5 mV/47 k PHONO (MC): 200 V/100 CD, TUNER, LINE, RECORDER-1, RECORDER-2: 125 mV/45 k (SOURCE DIRECT OFF) 125 mV/24 k (SOURCE DIRECT ON) RIAA Deviation: PHONO: 20 Hz 20 kHz ±0.

5 dB Maximum Input: PHONO (MM): 150 mV/1 kHz PHONO (MC): 13 mV/1 kHz Rated Output: PRE OUT: 0.84 V (Input CD 125 mV) SN Ratio (A network): PHONO (MM): 89 dB (With input terminals short-circuited, 5 mV input signal) PHONO (MC): 74 dB (With input terminals short-circuited, 0.5 mV input signal) CD, TUNER, LINE, RECORDER-1, RECORDER-2: 108 dB (input terminals short-circuited) BASS: 100 Hz ±8 dB TREBLE: 10 kHz ±8 dB AC 230 V, 50 Hz 285 W 0.2 W (Standby) 0.1 W (Eco Standby) 434 (W) x 134 (H) x 410 (D) mm Weight: 15.

5 kg R03/AAA Type (two batteries) 49 (W) x 220 (H) x 21 (D) mm 110 g (including batteries) vC Connection Connecting Cables ..... 5

5 Connecting Players ..... 6 Connecting Recorders ..... 6 Connecting the Speakers ..... 5

Copying Recorders ..... 8 Advanced connections Advanced operation Explanation terms vE Eco mode ..... 9 n Overall performance vI INPUT SELECTOR ..... 8 vM Mute ..... 7 Protection circuit

5 Troubleshooting n General Power supply: Power consumption: vR Remote control ..... 4 vS SOURCE DIRECT ..... 8 Speaker cables ..... 5 Stereo pin-plug cable ..... 5

Specifications Maximum external dimensions: n Remote control (RC-1143) Batteries: Maximum external dimensions: Weight: vT TREBLE ..... 8 Index zFor the purpose of improvement, the specifications and design are subject to change without notice.



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