



# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for YAMAHA DXR15/DXR12/DXR10/DXR8/DXS15/DXS12. You'll find the answers to all your questions on the YAMAHA DXR15/DXR12/DXR10/DXR8/DXS15/DXS12 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual YAMAHA DXR15/DXR12/DXR10/DXR8/DXS15/DXS12

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POWERED SPEAKER

**DXR Series**

DXR8 DXR10 DXR12 DXR15

POWERED SUBWOOFER

**DXS Series**

DXS12 DXS15

English  
Deutsch  
Français  
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Italiano  
Русский  
中文  
日本語

EN  
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JA

OWNER'S MANUAL

BEDIENUNGSANLEITUNG

MODE D'EMPLOI

MANUAL DE INSTRUCCIONES

MANUALE DI ISTRUZIONI

РУКОВОДСТВО ПОЛЬЗОВАТЕЛЯ

使用说明书

取扱説明書



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### Manual abstract:

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. @@@@A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet. 10 Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus. 11 Only use attachments/accessories specified by the manufacturer.

12 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. 13 Unplug this apparatus during lightning storms or when unused for long periods of time. 14 Refer all servicing to qualified service personnel. 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.

This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modifications not expressly approved by Yamaha may void your authority, granted by the FCC, to use the product. 2. IMPORTANT: When connecting this product to accessories and/or another product use only high quality shielded cables. Failure to follow instructions could void your FCC authorization to use this product in the USA.

3. NOTE: This product has been tested and found to comply with the requirements listed in FCC Regulations, Part 15 for Class "B" digital devices. Compliance with these requirements provides a reasonable level of assurance that your use of this product in a residential environment will not result in harmful interference with other electronic devices. This equipment generates/uses radio frequencies and, if not installed and used according to the instructions found in the users manual, may cause interference harmful to the operation of other electronic devices. Compliance with FCC regulations does not guarantee that interference will not occur in \* This applies only to products distributed by YAMAHA CORPORATION OF AMERICA. all installations. If this product is found to be the source of interference, which can be determined by turning the unit "OFF" and "ON", please try to eliminate the problem by using one of the following measures: Relocate either this product or the device that is being affected by the interference. Utilize power outlets that are on different branch (circuit breaker or fuse) circuits or install AC line filter/s. In the case of radio or TV interference, relocate/reorient the antenna. If the antenna lead-in is 300 ohm ribbon lead, change the lead-in to co-axial type cable.

If these corrective measures do not produce satisfactory results, please contact the local retailer authorized to distribute this type of product. If you can not locate the appropriate retailer, please contact Yamaha Corporation of America, Electronic Service Division, 6600 Orangethorpe Ave, Buena Park, CA90620

The above statements apply ONLY to those products distributed by Yamaha Corporation of America or its subsidiaries. The wires in this mains lead are coloured in accordance with the following code: GREEN-AND-YELLOW : EARTH 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 GREEN-and-YELLOW must be connected to the terminal in the plug which is marked by the letter E or by the safety earth symbol or colored GREEN or GREEN-and-YELLOW. 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. \* This information is located on the bottom of the unit. \* This information is located on the bottom of the unit. DXR15/DXR12/DXR10/DXR8/DXS15/DXS12 Owner's Manual 3 PRECAUTIONS PLEASE READ CAREFULLY BEFORE PROCEEDING \* Please keep this manual in a safe place for future reference. English WARNING Always follow the basic precautions listed below to avoid the possibility of serious injury or even death from electrical shock, short-circuiting, damages, fire or other hazards. These precautions include, but are not limited to, the following: Power supply/Power cord • Do not place the power cord near heat sources such as heaters or radiators, and do not excessively bend or otherwise damage the cord, place heavy objects on it, or place it in a position where anyone could walk on, trip over, or roll anything over it.

□ Only use the voltage specified as correct for the device. The required voltage is printed on the name plate of the device. □ Use only the supplied power cord/plug. If you intend to use the device in an area other than in the one you purchased, the included power cord may not be compatible. please check with your Yamaha dealer.

□ Check the electric plug periodically and remove any dirt or dust which may have accumulated on it. □ Be sure to connect to an appropriate outlet with a protective grounding connection. improper grounding can result in electrical shock. Water warning • Do not expose the device to rain, use it near water or in damp or wet conditions, or place on it any containers (such as vases, bottles or glasses) containing liquids which might spill into any openings. If any liquid such as water seeps into the device, turn off the power immediately and unplug the power cord from the AC outlet.

Then have the device inspected by qualified Yamaha service personnel. • Never insert or remove an electric plug with wet hands. Fire warning • Do not put burning items, such as candles, on the unit. A burning item may fall over and cause a fire. If you notice any abnormality • When one of the following problems occur, immediately turn off the power switch and disconnect the electric plug from the outlet. Then have the device inspected by Yamaha service personnel. - Some object has been dropped into the instrument. - There is a sudden loss of sound during use of the device. □ If this device should be dropped or damaged, immediately turn off the power switch, disconnect the electric plug from the outlet, and have the device inspected by qualified Yamaha service personnel. do not open • This device contains no user-serviceable parts.

Do not open the device or attempt to disassemble the internal parts or modify them in any way. If it should appear to be malfunctioning, discontinue use immediately and have it inspected by qualified Yamaha service personnel.



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**CAUTION** Always follow the basic precautions listed below to avoid the possibility of physical injury to you or others, or damage to the device or other property. These precautions include, but are not limited to, the following: **Power supply/Power cord** • When removing the electric plug from the device or an outlet, always hold the plug itself and not the cord. Pulling by the cord can damage it. □ Remove the electric plug from the outlet when the device is not to be used for extended periods of time, or during electrical storms. □ Do not use the device in a confined, poorly-ventilated location. Make sure that there is adequate space between the device and surrounding walls or other devices: at least 30cm at the sides, 30cm behind and 30cm above. Inadequate ventilation can result in overheating, possibly causing damage to the device(s), or even fire. □ Do not use the speaker's handles for suspended installation.

Doing so can result in damage or injury. □ Do not hold the bottom of the device when transporting or moving it. In doing so, you may pinch your hands under the device, and result in injury. □ Do not press the rear panel of the device against the wall. Doing so may cause the plug to come in contact with the wall and detach from the power cord, resulting in short circuiting, malfunction, or even fire.

□ Do not place the device in a location where it may come into contact with corrosive gases or salt air. Doing so may result in malfunction. • Before moving the device, remove all connected cables. **Location** • Do not place the device in an unstable position where it might accidentally fall over. □ Unless the device is securely affixed, do not install it in a location where it might fall, even if the surface is level.

□ Do not block the vents. This device has ventilation holes at the rear to prevent the internal temperature from becoming too high. Inadequate ventilation can result in overheating, possibly causing damage to the device(s), or even fire. PA\_en\_1 1/2 4 DXR15/DXR12/DXR10/DXR8/DXS15/DXS12 Owner's Manual •

When setting up the device, make sure that the AC outlet you are using is easily accessible. If some trouble or malfunction occurs, immediately turn off the power switch and disconnect the plug from the outlet. Even when the power switch is turned off, electricity is still flowing to the product at the minimum level. When you are not using the product for a long time, make sure to unplug the power cord from the wall AC outlet. □ When transporting or moving the DXS15,

DXS12, or DXR15, always use two or more people. Attempting to lift the DXS15, DXS12, or DXR15, by yourself may damage your back, result in other injury, or cause damage to the device itself. □ If you use the pole socket on the DXS15 to mount a satellite speaker, use a speaker of 19.

3kg (42. 5lbs) or less in weight and 60. 1cm (23-5/8") or less in height. If you use the pole socket on the DXS12 to mount a satellite speaker, use a speaker of 14. 6kg (32. 2lbs) or less in weight and 50. 2cm (19-6/8") or less in height. Also, use a speaker pole no longer than 120cm (47. 2") with an outer diameter of 35mm (1-3/8"). □ Always consult qualified Yamaha service personnel if the device installation requires construction work, and make sure to observe the following precautions.

- Choose mounting hardware and an installation location that can support the weight of the device. - Avoid locations that are exposed to constant vibration. - Use the required tools to install the device. - Inspect the device periodically. **Handling caution** • Do not insert your fingers or hands in any gaps or openings on the device (panel).

• Avoid inserting or dropping foreign objects (paper, plastic, metal, etc.) into any gaps or openings on the device (panel) If this happens, turn off the power immediately and unplug the power cord from the AC outlet. Then have the device inspected by qualified Yamaha service personnel. □ Do not rest your weight on the device or place heavy objects on it, and avoid using excessive force on the buttons, switches or connectors. □ Do not use the device for a long period of time at a high or uncomfortable volume level, since this can cause permanent hearing loss.

If you experience any hearing loss or ringing in the ears, consult a physician. □ Do not operate the device if the sound is distorting. Prolonged use in this condition could cause overheating and result in fire. □ Do not pull the cables connected to the microphones, etc. **Connections** • Before connecting the device to other devices, turn off the power for all devices. Before turning the power on or off for all devices, set all volume levels to minimum. **Maintenance** • Remove the power pl8 3 4 5 6 7 8 1 ! \$ % 3 2 1 1 # @ DXR15, DXR12, DXR10, DXR8 DXS15, DXS12 NOTE ^ 1 INPUT jacks These are balanced XLR input jack(s) (INPUT 1), unbalanced phones (INPUT 2) and RCA pin input jacks (INPUT 3). You can connect a mixing console or microphone to INPUT 1, a keyboard or electric-acoustic guitar to INPUT 2, and a portable audio player or CD player to INPUT 3. Signals from INPUT 1-3 are mixed inside the DXR unit. The DXS series input features only balanced XLR input jacks (L, R).

L and R signals are mixed inside the DXS unit. □ If the output voltage of the amplifier has exceeded the maximum value, or if excessive integral power consumption is detected, the LIMIT indicator will light when the amount of attenuation is 3dB or higher. □ The integral power consumption refers to the sum of power consumption provided to the speaker driver per unit time. @@ 6 PROTECTION indicator Lights when the protection system is active. @@@@The indicator turns off when the power supply has started normally. @@NOTE 3 LEVEL control Adjusts the level of each INPUT signal. @@ 4 LIMIT indicator Lights when the output limiter is active. @@If this indicator stays lit, lower the level of the input signal. @@@@The LED will light when this switch is set to off (N). Turn this switch on (O) when you want to turn off the LED.

@@@@@ \$ POLARITY switch (DXS series) Selects the subwoofer polarity. @@@@The FOH/MAIN setting will boost the high and low frequency components so that the frequency response will become suitable for a main speaker. The MONITOR setting also suppresses the low range, which could otherwise tend to be boomy if the speaker is set directly on the floor or used along with a main speaker. With the FOH/MAIN or MONITOR setting, the D-CONTOUR function is enabled and controls the boost and attenuation amounts dynamically in relation to the sound volume. When this switch is set to OFF, a generic frequency response setting will be used and the D-CONTOUR function will be turned off.

% D-XSUB switch (DXS series) Selects one of the D-XSUB presets. The BOOST setting boosts the low frequency range to enhance and punch-up the frequency response. The XTENDED LF extends the bottom of the low frequency range to enhance broad lowrange frequency response.



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With the **BOOST** or **XTENDED LF** setting, the **D-XSUB** function is enabled and controls the boost amount dynamically in relation to the sound volume. When this is set to **OFF**, a generic frequency response will be used and the **D-XSUB** function will be turned off.

If the switch is set to **120Hz** or **100Hz**, the high-pass filter will cut the frequency components below that threshold. If you plan to use your **DXR** without a subwoofer, set this switch to **OFF**. If you plan to use the **DXR** along with a subwoofer, we recommend that you set this switch to **120Hz** or **100Hz**. ^ **LPF** switch (**DXS** series) Specifies the low-pass filter's cutoff frequency at **120Hz**, **100Hz**, or **80Hz**. The filter will cut the frequency components above the specified threshold. If you are using the **DXS** along with a **DXR**, match this frequency to **DXR**'s **HPF** switch setting. @ **LINK OUT** jack (**DXR** series) This **XLR** jack outputs signals (routed from each **INPUT** jack) to a connected **DXR** series speaker. Connect this jack to the **INPUT 1** (**XLR**) jack on the linked **DXR** series speaker. Signals at the **LINK OUT** jack are line-level. Set the **MIC/LINE** switch on the linked **DXR** series speaker to **LINE**.

For stereo signals, set the **LEVEL** control on the linked **DXR** to the 12 o'clock position to balance the levels between two **DXRs**. 8 **DXR15/DXR12/DXR10/DXR8/DXS15/DXS12** Owner's Manual Controls and Functions & # \* \$ **DXR15**, **DXR12**, **DXR10**, **DXR8**, **DXS15**, **DXS12** & **AC IN** socket Connect the supplied **AC** power cord here. First, connect the power cord to the device, then insert the power cord plug into the **AC** outlet. \* **Power** switch Turns the power supply on or off. Press the switch to the **On** position to turn the power on (**O**). **NOTE** Be sure to turn the power off before connecting or disconnecting the power cord. **CAUTION** If you are using multiple devices, turn on the power to each device individually. If you turn on the power to multiple devices simultaneously, a temporary drop in the power voltage may occur, possibly resulting in abnormal operation of the devices. Rapidly turning the unit on and off in succession can cause it to malfunction. After turning the unit off, wait for about 5 seconds **CAUTION** before turning it on again. Tilttable pole socket (**DXR** series) Suspended installation If you plan to suspend your **DXR** series speaker, attach commercially-available eye bolts to the screw holes (which are sealed at the time of shipment) located on the top (two locations) and on the lower part of the rear (one location). The size of the screw holes on the **DXR15** and **DXR12** is **M10** (for an eye bolt length of 18mm or less). The size of the screw holes on the **DXR10** and **DXR8** is **M8** (for an eye bolt length of 15mm or less). Keep in mind that you will need three eye bolts to suspend it. Make sure to use the eye bolts according to the standards and safety regulations in your area.

Before doing any installation or construction work, consult with an installation expert. **CAUTION** 7° ( 0° ( Tilttable pole socket (**DXR** series) This mount has two pole sockets. You can choose the angle of the **DXR** (mounted on a speaker pole) so that the speaker will be horizontal to the floor or tilting toward the floor by 7 degrees. 7° When choosing the installation location, suspension wire and mounting hardware, make sure all are strong enough to support the weight of the speaker. Some fittings may deteriorate over extended periods of time due to wear and/or corrosion.

For optimum safety, the installation should be checked thoroughly at regular intervals. Yamaha cannot be held responsible for damage or injury caused by insufficient strength of the support structure or improper installation. **DXR15/DXR12/DXR10/DXR8/DXS15/DXS12** Owner's Manual 9 English Setup Examples Setup Examples 1. Basic SR system English This example illustrates a basic SR system setup using two 2-way speakers. The system is suitable for a small-sized live space, a restaurant and a practice studio. As necessary, add a stage monitor system illustrated in no. SR system with subwoofer This example illustrates an SR system setup using two 2-way speakers and subwoofers with speaker poles. The system is suitable for a small-sized music venue, a house of worship and an event site. We recommend that the subwoofer's input **LEVEL** control is set to a 12 o'clock position. If you prefer, you can adjust the level as desired.

As necessary, add a stage monitor system illustrated in no. 3. **NOTE** Pole sockets for mounting speaker poles are provided at the bottom of the **DXR** series, and at the top of the **DXS** series. please refer to the "Precautions" (page 4). If you use multiple subwoofers at the same time, set the **POLARITY** switch of adjacent subwoofers to the same position. Otherwise, the sounds from each speaker may cancel each other, resulting in diminished sound pressure. Yamaha recommends that if you use the **DSR118W** as a subwoofer in combination with the **DXR15** or **DXR12**. SR system with a single **DXR** This example illustrates an SR system using one 2-way speaker connected directly to a microphone, musical instrument, or playback source. This system can be used in a wide range of places such as corporate events, presentations, and restaurants. Adjust the volume with the **LEVEL** control to prevent feedback.

**mONO 5**. Simple SR system with two **DXRs** This example illustrates a simple SR system using two 2-way speakers linked to each other. This system is suitable for a small-sized live venue. Audio can be output in stereo or monaural, by using one 2-way speaker connected directly to a microphone, musical instrument, or **BGM** sound source, then linking the speaker to another 2-way speaker via the **LINK OUT** jack. If you want to output in stereo, set the **LINK MODE** switch to the stereo position.

**mONO STEREO** **DXR15/DXR12/DXR10/DXR8/DXS15/DXS12** Owner's Manual 11 English **NOTE** Troubleshooting Troubleshooting Symptom Power does not turn on. Possible causes The power cord is not connected properly. The protection system has operated, shutting down the power supply. The cable is not connected properly. possible solution Connect the power cord properly.

Power suddenly went off. @@ connect to the **INPUT** jack properly. If you are using a single **DXR**, set the **LINK MODE** switch to **MONO**. Wait until the amplifier cools down. @@The protection system has operated, muting the output. @@ microphone picks up sound. @@Set the **HPF** switch on **120Hz** or **100Hz** if you get feedback in low frequency bands. □ (**DXR** series) Set the **HPF** and **D-CONTOUR** switches of each speaker to the same positions. □ (**DXS** series) Set the **POLARITY** switch, the **LPF** switch, and **D-XSUB** switch of each speaker to the same position. □ Lower the volume of the input device to a point no higher than where the **LIMIT** indicator lights occasionally.

□ If sound continues to be distorted even if you turn down the volume to the minimum, set the **MIC/LINE** switch to the **LINE** position (if the switch is set to **MIC**). Use the **LEVEL** control to lower the output level to a point no higher than where the **LIMIT** indicator lights occasionally.



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Set the MIC/LINE switch to the MIC position. Lower the input level or the output level to a point no higher than where the LIMIT indicator lights occasionally. Sound is amplified too much. The setting of the HPF switch is not appropriate. Each speaker sound differs (if multiple speakers are used) Settings for each speaker differ. The microphone volume is too low. Low and high frequency are unbalanced. \*If any specific problem should persist, however, please contact your Yamaha dealer.

8lbs Aluminium die-cast (Side x 2) 35mm with 2-way feature (0 or 7 degree) Top x 2, Rear x 1 (Fits for M10 x 18mm eyebolts) UB-DXR15 UB-DXR12 Aluminium die-cast (Top x 1) Top x 2, Rear x 1 (Fits for M8 x 15mm eyebolts) UB-DXR10 UB-DXR8 – – Amplifier Amplifier Type Power Rating\*1 Dynamic Continuous Cooling AD/DA Signal Processing HPF/LPF DSP preset Protection Speaker Amplifier Power supply Connectors Input Output Input Impedance INPUT1 INPUT2, 3 DXR15 Class-D DXR12 DXR10 DXR8 DXS15 Class-D 950W 600W DXS12 1100W (LF: 950W, HF: 150W) 700W (LF: 600W, HF: 100W) Fan cooling, 4 speeds 24bit 48kHz sampling 48bit (Accumulator: 76bit) OFF, 100, 120Hz 24dB/oct HPF D-CONTOUR: FOH/MAIN, MONITOR, OFF Clip limiting, Integral Power Protection, DC-fault Thermal, Output over current Thermal, Output over voltage, Output over current INPUT1: XLR3-31 x 1, INPUT2: Phone x 2 (Unbalanced), INPUT3: RCA PIN x 2 (Unbalanced) THRU: XLR3-32 x 1 (Parallel with INPUT1), LINK OUT: XLR x1 LINE: 12k $\Omega$ , MIC: 8k $\Omega$  L, R: 40k $\Omega$ , MONO: 20k $\Omega$  LINE: +1dBu, MIC: -32dBu -13dBu 80, 100, 120Hz 24dB/oct LPF D-XSUB: BOOST, XTENDED-LF, OFF INPUT: XLR3-31 x 2 THRU: XLR3-32 x 2 (Parallel with INPUT) 10k $\Omega$  – +1dBu – Input Sensitivity INPUT1 (LEVEL: INPUT2, 3 Maximum) 80 DXR15/DXR12/DXR10/DXR8/DXS15/DXS12 Owner's Manual References Amplifier Input Sensitivity INPUT1 (LEVEL: INPUT2, 3 Center) Maximum Input INPUT1 Level INPUT2, 3 Controls Idle Power Consumption 1/8 Power Consumption Power Requirements DXR15 DXR12 DXR10 DXR8 DXS15 +11dBu – DXS12 LINE: +11dBu, MIC: -22dBu -3dBu LINE: +24dBu, MIC: +20dBu +16dBu LEVEL x3, LINE/MIC, HPF, D-CONTOUR, FRONT LED DISABLE, LINK MODE, POWER 35W – LEVEL, POLARITY, LPF, D-XSUB, FRONT LED DISABLE, POWER 100V – 240V, 50Hz/60Hz 0dBu is referenced to 0. DC-FAULT OUTPUT CURRENT R (LINE) THRU OUTPUT VOLTAGE INTEGRAL OUTPUT POWER ON/OFF MUTE PROTECTION LOGIC English Deutsch Français Español Italiano 84 Information for Users on Collection and Disposal of Old Equipment This symbol on the products, packaging, and/or accompanying documents means that used electrical and electronic products should not be mixed with general household waste. For proper treatment, recovery and recycling of old products, please take them to applicable collection points, in accordance with your national legislation and the Directives 2002/96/EC. By disposing of these products correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling. For more information about collection and recycling of old products, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

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