POWERED SPEAKER SYSTEM
DXRmkII series

DXR15 mkII
DXR12 mkII
DXR10 mkII
DXR8 mkII

Owner’s Manual
Bedienungsanleitung
Mode d’emploi
Manual de instrucciones
Manual do Proprietário
Manuale di istruzioni
руководство пользователя
使用说明书
取扱説明書
Explanation of Graphical Symbols

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.

L’éclair avec une flèche à l’intérieur d’un triangle équilatéral est destiné à attirer l’attention de l’utilisateur sur la présence d’une « tension dangereuse » non isolée à l’intérieur de l’appareil, pouvant être suffisamment élevée pour constituer un risque d’électrocution.

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 product.

Le point d’exclamation à l’intérieur d’un triangle équilatéral est destiné à attirer l’attention de l’utilisateur sur la présence d’instructions importantes sur l’emploi ou la maintenance (réparation) de l’appareil dans la documentation fournie.

IMPORTANT SAFETY INSTRUCTIONS

1 Read these instructions.
2 Keep these instructions.
3 Heed all warnings.
4 Follow all instructions.
5 Do not use this apparatus near water.
6 Clean only with dry cloth.
7 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 Do not defeat safety purpose of the polarized or grounding-type plug. A polarized 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.

WARNING
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE.

(UL60065_03)
1. IMPORTANT NOTICE: DO NOT MODIFY THIS UNIT!
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. Cable/s supplied with this product MUST be used. Follow all installation instructions. 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 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.

* This applies only to products distributed by Yamaha Corporation of America.

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**FCC INFORMATION (U.S.A.)**

**COMPLIANCE INFORMATION STATEMENT**

(Supplier’s declaration of conformity procedure)

Responsible Party : Yamaha Corporation of America
Address : 6600 Orangethorpe Ave., Buena Park, Calif. 90620
Telephone : 714-522-9011
Type of Equipment : Powered Speaker System
Model Name : DXR15mkII, DXR12mkII, DXR10mkII, DXR8mkII
This device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions:
1) this device may not cause harmful interference, and
2) this device must accept any interference received including interference that may cause undesired operation.

* This applies only to products distributed by Yamaha Corporation of America.
PRECAUTIONS

PLEASE READ CAREFULLY BEFORE PROCEEDING

Please keep this manual in a safe place for future reference.

This powered speaker system is designed for PA use. Do not use for any purposes other than the one intended. Those who are unfamiliar with handling or those who cannot handle according to this manual such as children, should be supervised by responsible persons to ensure safety.

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:

If you notice any abnormality

• If any of the following problems occur, immediately turn off the power switch and disconnect the electric plug from the outlet.
  - The power cord or plug becomes frayed or damaged.
  - Some object, or water has been dropped into the product.
  - There is a sudden loss of sound during use of the product.
  - Cracks or other visible damage appear on the product.

Then have the product inspected or repaired by qualified Yamaha service personnel.

Power supply/Power cord

• Do not expose the product to rain, use it near water or in damp or wet conditions, or place it on any containers (such as vases, bottles or glasses) containing liquids which might spill into any openings.
• Never insert or remove an electric plug with wet hands.
• Do not place any burning items or open flames near the product, since they may cause a fire.

Water warning/Fire warning

• Do not expose the product to rain, use it near water or in damp or wet conditions, or place it on any containers (such as vases, bottles or glasses) containing liquids which might spill into any openings.
• Never insert or remove an electric plug with wet hands.
• Do not place any burning items or open flames near the product, since they may cause a fire.

Hearing loss

• Before turning the power of all devices on or off, make sure that all volume levels are set to the minimum. Failing to do so may result in hearing loss, electric shock, or device damage.
• When turning on the AC power in your audio system, always turn on the product LAST, to avoid hearing loss and speaker damage. When turning the power off, the product should be turned off FIRST for the same reason.

CAUTION

Always follow the basic precautions listed below to avoid the possibility of physical injury to you or others. These precautions include, but are not limited to, the following:

Power supply/Power cord

• When removing the electric plug from the product or an outlet, always hold the plug itself and not the cord. Pulling by the cord can damage it.

Location and connection

• Do not place the product in an unstable position or a location with excessive vibration, where it might accidentally fall over and cause injury.
• Keep the device out of reach of children. This product is not suitable for use in locations where children are likely to be present.
• Do not block the vents. This product has ventilation holes at the rear to prevent the internal temperature from becoming too high. In particular, do not place the product on its side or upside down. Inadequate ventilation can result in overheating, possibly causing damage to the product(s), or even fire.
• When attempting to dissipate heat on the product, when installing it, do not use the product in a confined, poorly-ventilated location.

Inadequate ventilation can result in overheating, possibly causing damage to the product(s), or even fire. Make sure that there is adequate space around the product: at least 30cm above, 30cm at the sides and 30cm behind.
• Do not place the product in a location where it may come into contact with corrosive gases or salt air. Doing so may result in malfunction.
• Before moving the product, remove all connected cables.
• When transporting or moving DXR15mkII, always use two or more people. Attempting to lift the product by yourself may damage your back, result in other injury, or cause damage to the product itself.
• 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 product when transporting or moving it. In doing so, you may pinch your hands under the product, and result in injury.
• Do not press the rear panel of the product 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.
• Always consult qualified Yamaha service personnel if the product installation requires construction work. Improper installation might cause accidents, injuries, damage or malfunction of this product.

Maintenance

• Remove the power plug from the AC outlet when cleaning the product.

Handling caution

• Do not rest your weight on the product or place heavy objects on it.
• Do not operate the product if the sound is distorting. Prolonged use in this condition could cause overheating and result in fire.

NOTICE

To avoid the possibility of malfunction/damage to the product, or damage to other property, follow the notices below.

Handling and maintenance

• Do not use the product in the vicinity of a TV, radio, or other electric products. Otherwise, the product, TV, or radio may generate noise.
• Do not expose the product to excessive dust or vibration, or extreme cold or heat, in order to prevent the possibility of panel disfiguration, unstable operation, or damage to the internal components.
• Do not install in locations where temperature changes are severe. Otherwise, condensation may form on the inside or the surface of the product, causing it to break.
• If there is reason to believe that condensation might have occurred, leave the product for several hours without turning on the power until the condensation has completely dried out, in order to prevent possible damage.
• Do not place vinyl, plastic or rubber objects on the product, since this might cause alteration or discoloration of the panel.
• When cleaning the product, use a dry and soft cloth. Do not use paint thinners, solvents, cleaning fluids, or chemical-impregnated wiping cloths, since this might cause alteration or discoloration.

Information

About functions/data bundled with the product

• XLR-type connectors are wired as follows (IEC60268 standard): pin 1: ground, pin 2: hot (+), and pin 3: cold (-).

About this manual

• The illustrations as shown in this manual are for instructional purposes only.
• The company names and product names in this manual are the trademarks or registered trademarks of their respective companies.

About disposal

• This product contains recyclable components. When disposing of this product, please contact the appropriate local authorities.

Yamaha cannot be held responsible for damage caused by improper use or modifications to the product.
Introduction

Thank you for purchasing the Yamaha DXRmkII series powered speaker system. Please read this manual thoroughly to ensure optimum use of the DXRmkII series for the longest possible period of time. Keep the manual in a safe place for future reference.

The subwoofer used in combination with the DXRmkII series (as shown in this manual) is assumed to be the DXS series (DXS18, DXS15mkII, or DXS12mkII).

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Main Features of the DXRmkII Series

- **FIR-X tuning™**
  Our proprietary sound-processing technology utilizing a linear-phase FIR filter delivers excellent sound quality at high resolution with a smooth frequency response that is unaffected by phase interference near the crossover point.

- **D-CONTOUR (Dynamic CONTOUR)**
  D-CONTOUR is a multiband compressor that dynamically controls the level of each frequency range according to the application and human hearing characteristics. It features a FOH/MAIN mode for using your DXRmkII as a main speaker, and a MONITOR mode that has been optimized for use as a floor monitor. Select the mode that suits your application.

- **Mixing/LINK functionality**
  The DXRmkII series features mixing functionality, enabling you to mix sounds by directly inputting three channel signals into the unit. In addition, the LINK function enables you to easily configure a stereo or dual-mono SR (Sound Reinforcement) system using two DXRmkIIs.

- **DSP-controlled advanced protection system**
  Powerful protection circuits ensure secure protection in the speaker unit, amplifier unit, and power supply unit. This protection functionality promotes optimal performance of each component and optimum reliability without distortion even in challenging environments.

Included Accessories

- AC power cord
- Owner’s Manual (this book)

Optional Accessories (sold separately)

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<th>U-bracket</th>
<th>Cover</th>
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</thead>
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<td>DXR15mkII</td>
<td>UB-DXR15</td>
<td>SPCVR-1501</td>
</tr>
<tr>
<td>DXR12mkII</td>
<td>UB-DXR12</td>
<td>SPCVR-1201</td>
</tr>
<tr>
<td>DXR10mkII</td>
<td>UB-DXR10</td>
<td>SPCVR-1001</td>
</tr>
<tr>
<td>DXR8mkII</td>
<td>UB-DXR8</td>
<td>SPCVR-0801</td>
</tr>
</tbody>
</table>
### Controls and Functions

**Rear panel**

1. **INPUT jacks**
   These comprise a balanced XLR input jack (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 DXRmkII unit.

2. **THRU jack**
   This is a balanced XLR output jack. The INPUT 1 signal is passed through unaffected, since this is parallel-connected to the INPUT 1 (XLR) jack.

3. **LEVEL controls**
   For adjusting the level of each INPUT signal. If you connect a device that features a nominal output level of +4dBu (such as a mixing console), set the MIC/LINE switch (4) on the DXRmkII series to LINE, and adjust the LEVEL control using its 12 o’clock position as a reference.

4. **LIMIT indicator**
   Lights when the output limiter is active. The output limiter will operate in order to protect the speaker and amp, attenuating the output signal to the amplifier. If this indicator stays lit, lower the level of the input signal.

   **NOTE**
   - If the output voltage of the amplifier has exceeded the maximum value, or if excessive integral power consumption is detected, the output limiter attenuates the output signal to the amplifier. 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.

5. **SIGNAL indicator**
   Lights when an audio input signal is detected.

6. **PROTECTION indicator**
   Lights when the protection system is active. The protection system will operate and the speaker output will be muted in the following situations.
   - If amplifier overheating is detected:
   - If DC output is detected:
   - If overcurrent is detected:
   - When turning the power on:
     The protection system will be activated to prevent noise and the indicator will light for about two seconds. The indicator turns off when the power supply has started normally.
   - When turning the power off:
     Or if the power turns off due to an unexpected error, the protection system will be activated to prevent noise, and then the power will be shut down.

   **NOTE**
   If the protection system has engaged after the problem was detected, waiting until the amplifier cools down or powering off and on again will return to normal operation. If the unit does not return to normal operation, please contact your Yamaha dealer.

7. **POWER indicator**
   Lights when the power switch (7) is set to on.

8. **FRONT LED DISABLE switch**
   Selects turning on or off the FRONT LED at the left of the unit’s front grille. The LED will light when this switch is set to off (○). Turn this switch on (●) when you want to turn off the LED.

   **NOTE**
   The LED will light brighter than usual if the attenuation of the output limiter is 3dB or higher.

9. **MIC/LINE switch**
   Set this switch to MIC or LINE for INPUT 1 jack, depending on the level of the input signal. For low-level signals (such as microphones), set the switch to the MIC position. For high level signals (such as mixer), set the switch to the LINE position.
Controls and Functions

10 D-CONTOUR switch
Selects one of the D-CONTOUR (Dynamic CONTOUR) presets. 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.

11 HPF switch
Specifies the HPF's cut-off frequency. 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 DXRmkII without a subwoofer, set this switch to OFF. If you plan to use the DXRmkII along with a subwoofer, we recommend that you set this switch to 120Hz or 100Hz.

12 LINK OUT jack
This XLR jack outputs signals (routed from each INPUT jack) to a connected DXRmkII series speaker. Connect this jack to the INPUT 1 (XLR) jack on the linked DXRmkII series speaker. Signals at the LINK OUT jack are line-level. Set the MIC/LINE switch on the linked DXRmkII to LINE. For stereo signals, set the LEVEL control on the linked DXRmkII to the 12 o’clock position to balance the levels between two DXRmkIIs.

13 LINK MODE switch
Enables you to select whether the mixed signal (on the original DXRmkII) will be played in stereo or monaural on the original and linked DXRmkIIs. The following signals are mixed and output according to the switch setting.

<table>
<thead>
<tr>
<th>LINK MODE</th>
<th>STEREO</th>
<th>MONO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input of the original DXRmkII</td>
<td>INPUT1</td>
<td>INPUT2/3</td>
</tr>
<tr>
<td>L</td>
<td>R</td>
<td>L</td>
</tr>
<tr>
<td>Output of the original DXRmkII</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Output of the linked DXRmkII</td>
<td>✓</td>
<td>–</td>
</tr>
</tbody>
</table>

**NOTE**
If you use only a single, stand-alone DXRmkII, set this switch to MONO (✓). If you set the switch to STEREO (✓), audio signals input at the R channel of INPUT 2/3 will not be output.

14 AC IN inlet
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.

**WARNING**
Use only the supplied power cord/plug.

**CAUTION**
Be sure to turn the power off before connecting or disconnecting the power cord.

15 Power switch
Turns the power supply on or off. Press the switch to turn the power on (✓).

**NOTE**
- 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 before turning it on again.
Tiltable pole socket

This mount has two pole sockets. You can choose the angle of the DXRmkII (mounted on a speaker pole) so that the speaker will be horizontal to the floor or tilting toward the floor by 7 degrees.

Suspended installation

If you plan to suspend your DXRmkII 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 DXR15mkII and DXR12mkII is M10 (for an eye bolt length of 18mm or less). The size of the screw holes on the DXR10mkII and DXR8mkII 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.

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.
Setup Examples

1. Basic SR system
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. 3.

2. 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 is set to 0dB (set the LEVEL control to a 12 o’clock position when using the DXS series). If you prefer, you can adjust the level as desired. As necessary, add a stage monitor system illustrated in no. 3.

**NOTE**
If you use multiple subwoofers at the same time, set the polarity (POLARITY switch when using the DXS series) of adjacent subwoofers to the same position. Otherwise, the sounds from each speaker may cancel each other, resulting in diminished sound pressure.

For more information about the settings on the DXS series, refer to the Owner’s Manual for DXS18, DXS15mkII, and DXS12mkII (combined).
3. Stage monitor system
This SR system is suitable as a performer’s monitoring system. For use as a vocal monitor, set D-CONTOUR to MONITOR. As necessary, connect speakers in parallel.

NOTE
Up to four speakers can be connected in parallel.

4. SR system with a single DXRmkII
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.

5. Simple SR system with two DXRmkIIs
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.
# Troubleshooting

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Possible causes</th>
<th>Possible solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power does not turn on.</td>
<td>The power cord is not connected properly.</td>
<td>Connect the power cord properly.</td>
</tr>
<tr>
<td>Power suddenly went off.</td>
<td>The protection system has operated, shutting down the power supply.</td>
<td>Turn off the power, wait until the amplifier cools down, and then turn on again.</td>
</tr>
<tr>
<td>No sound.</td>
<td>The cable is not connected properly.</td>
<td>Connect to the INPUT jack properly.</td>
</tr>
<tr>
<td></td>
<td>The LINK MODE switch is set incorrectly.</td>
<td>If you are using a single DXRmkII, set the LINK MODE switch to MONO.</td>
</tr>
<tr>
<td>Sound is interrupted suddenly.</td>
<td>The protection system has operated, muting the output.</td>
<td>Wait until the amplifier cools down. If the device won’t automatically reset itself, turn off the power, and then on again.</td>
</tr>
<tr>
<td>Sound howls (feedback).</td>
<td>A microphone is directed toward the speaker.</td>
<td>Keep the speaker away from the area where the microphone picks up sound.</td>
</tr>
<tr>
<td></td>
<td>Sound is amplified too much.</td>
<td>Lower the volume of the input device and locate the microphone more closely to the sound source.</td>
</tr>
<tr>
<td></td>
<td>The setting of the HPF switch is not appropriate.</td>
<td>Set the HPF switch on 120Hz or 100Hz if you get feedback in low frequency bands.</td>
</tr>
<tr>
<td>Each speaker sound differs (if multiple speakers are used).</td>
<td>Settings for each speaker differ.</td>
<td>Set the HPF and D-CONTOUR switches of each speaker to the same positions.</td>
</tr>
</tbody>
</table>
| Sound is distorted.                    | Input volume is excessive.                           | • 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). |
|                                        | Output volume is excessive.                          | Use the LEVEL control to lower the output level to a point no higher than where the LIMIT indicator lights occasionally. |
| The microphone volume is too low.      | The MIC/LINE switch is set to LINE.                  | Set the MIC/LINE switch to the MIC position.                                      |
| Low and high frequency are unbalanced. | The output limiter is active.                        | Lower the input level or the output level to a point no higher than where the LIMIT indicator lights occasionally. |

*If any specific problem should persist, however, please contact your Yamaha dealer.*
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.

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.

For business users in the European Union:
If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

Information on Disposal in other Countries outside the European Union:
This symbol is only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.

(weee_eu_en_02)
# Specifications

## General
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<th>DXR8mkII</th>
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<tr>
<td>System Type</td>
<td>2-way, Bi-amped Powered Speaker, Bass-reflex Type</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frequency Range (-10dB)</td>
<td>49Hz – 20kHz</td>
<td>52Hz – 20kHz</td>
<td>56Hz – 20kHz</td>
</tr>
<tr>
<td>Coverage Angle</td>
<td>H90° x V60° Constant Directivity Horn</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crossover Type</td>
<td>FIR-X tuning™ (Linear Phase FIR Filter)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crossover Frequency</td>
<td>2.1kHz</td>
<td>2.1kHz</td>
<td>2.3kHz</td>
</tr>
<tr>
<td>Measured Maximum SPL (peak)</td>
<td>134dB SPL</td>
<td>134dB SPL</td>
<td>132dB SPL</td>
</tr>
<tr>
<td>Pink noise @1m</td>
<td>13dB SPL</td>
<td>13dB SPL</td>
<td>13dB SPL</td>
</tr>
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</table>

## Transducer

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<th>DXR10mkII</th>
<th>DXR8mkII</th>
</tr>
</thead>
<tbody>
<tr>
<td>LF Diameter</td>
<td>15” Cone</td>
<td>12” Cone</td>
<td>10” Cone</td>
</tr>
<tr>
<td>Voice coil</td>
<td>2.5”</td>
<td>2.5”</td>
<td>2”</td>
</tr>
<tr>
<td>Magnet</td>
<td>Ferrite</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HF Voice coil</td>
<td>1.75”</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diaphragm</td>
<td>PET</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type</td>
<td>1” Throat Compression Driver</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Magnet</td>
<td>Neodymium</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Enclosure

<table>
<thead>
<tr>
<th>DXR15mkII</th>
<th>DXR12mkII</th>
<th>DXR10mkII</th>
<th>DXR8mkII</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material, Finish, Color</td>
<td>ABS, Matte black</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Floor Monitor Angle</td>
<td>50° Symmetrical</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimensions (WxHxD, with rubber feet)</td>
<td>445×700×380 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Net Weight</td>
<td>21.8kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Handles</td>
<td>Aluminium die-cast (Side x 2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pole Socket</td>
<td>Ø 35 mm x 2 (0° or -7°)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rigging Points</td>
<td>Top x 2, Rear x 1 (Fits for M10 x 18mm eyebolts)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Optional Accessories</td>
<td>U-bracket UB-DXR15</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cover</td>
<td>SPCVR-1501</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Amplifier

<table>
<thead>
<tr>
<th>DXR15mkII</th>
<th>DXR12mkII</th>
<th>DXR10mkII</th>
<th>DXR8mkII</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amplifier Type</td>
<td>Class-D</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Continuous</td>
<td>700W (LF: 600W, HF: 100W)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cooling</td>
<td>Fan cooling, 4 speeds</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AD/DA</td>
<td>24bit 48kHz sampling</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Signal Processing</td>
<td>48bit (Accumulator: 76bit)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HPF/LPF</td>
<td>OFF, 100, 120Hz 24dB/oct HPF</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DSP Preset</td>
<td>D-CONTOUR: FOH/MAIN, MONITOR, OFF</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Connectors</td>
<td>INPUT1: XLR3-31 type x 1, INPUT2: Phone x 2 (Unbalanced), INPUT3: RCA PIN x 2 (Unbalanced)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Output</td>
<td>THRU: XLR3-32 type x 1 (Parallel with INPUT1), LINK OUT: XLR3-32 type x 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Input Impedance</td>
<td>INPUT1 LINE: 12kΩ, MIC: 8kΩ</td>
<td></td>
<td></td>
</tr>
<tr>
<td>INPUT2, 3</td>
<td>L: 40kΩ, MONO: 20kΩ</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Input Sensitivity (LEVEL: Maximum)</td>
<td>INPUT1 LINE: +1dBu, MIC: -32dBu</td>
<td></td>
<td></td>
</tr>
<tr>
<td>INPUT2, 3</td>
<td>-13dBu</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Input Sensitivity (LEVEL: Center)</td>
<td>INPUT1 LINE: +11dBu, MIC: -22dBu</td>
<td></td>
<td></td>
</tr>
<tr>
<td>INPUT2, 3</td>
<td>-3dBu</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
0dBu is referenced to 0.775Vrms.

*1 Power rating (120V, 25°C). This is total value of individual output power.

The contents of this manual apply to the latest specifications as of the publishing date. To obtain the latest manual, access the Yamaha website then download the manual file.

The Inhalt dieser Bedienungsanleitung gilt für die neuesten technischen Daten zum Zeitpunkt der Veröffentlichung. Um die neueste Version der Anleitung zu erhalten, rufen Sie die Website von Yamaha auf und laden Sie dann die Datei mit der Bedienungsanleitung herunter.

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本書は、発行時点での最新仕様で説明しています。最新版は、ヤマハウェブサイトからダウンロードできます。
Dimensions

DXR15mkII

Unit: mm

DXR12mkII

Unit: mm