

ONKYO

TX-NR646

AV 接收机

基本手册

本手册包含在开始使用设备时所需的信息以及有关常用操作的说明。高级手册包含更详细的信息和高级设置，但出于环保考虑，仅在网络上发布。



高级手册在此处

<http://www.onkyo.com/manual/txnr646/adv/cs.html>



- 配备7声道放大器
- 支持以 Dolby Atmos 格式播放，提供包括上空声音在内的 360 度声音布局 and 移动
- 支持 DTS:X 播放，这是 DTS 的新一代基于对象的环境立体声技术，内含纵向扬声器，拥有在卧室中提供沉浸式的聆听体验的能力。
- Dolby Surround 聆听模式将任何 2 ch、5.1 ch 或 7.1 ch 音源扩展为可用的扬声器配置
- 配备 4K 兼容的 HDMI IN/OUT 接口
- 配备 2 个 HDMI 输出接口
- 支持 HDMI Standby Through 功能，允许在待机状态下从播放设备向电视传输信号
- 支持 HDCP2.2，严格的版权保护提供高品质的内容（HDMI IN1 至 IN3/HDMI OUT MAIN/SUB）
- 支持 ARC（音频回传通道）
- 支持 USB 存储播放
- 支持网络收音机、DLNA 和 AirPlay 等多种网络功能。
- 支持 Wi-Fi 和 Bluetooth®
- 配备 PHONO 接口，可与唱机连接
- 双功放功能
- A/V 同步功能，可纠正音频和视频偏差
- 使用多区域功能可以从主房间播放另外一个房间中的不同音源
- 32 位 DSP（数字信号处理器），具有优异的计算性能
- 用于压缩数字音乐文件的 Music Optimizer™
- 相位匹配低音系统
- 使用随机提供的校准麦克风（AccuEQ 室内校准）可以自动设置扬声器
- 通过网络和 USB 存储设备支持播放 MP3、WMA、WMA Lossless、FLAC、WAV、Ogg Vorbis、Apple Lossless、DSD、Dolby TrueHD（根据使用环境，所支持的格式将会不同）

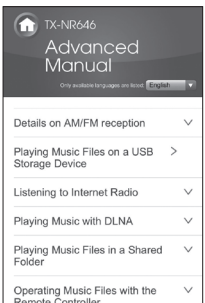
请参阅封底了解提供的附件。

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高级手册（网络发布）

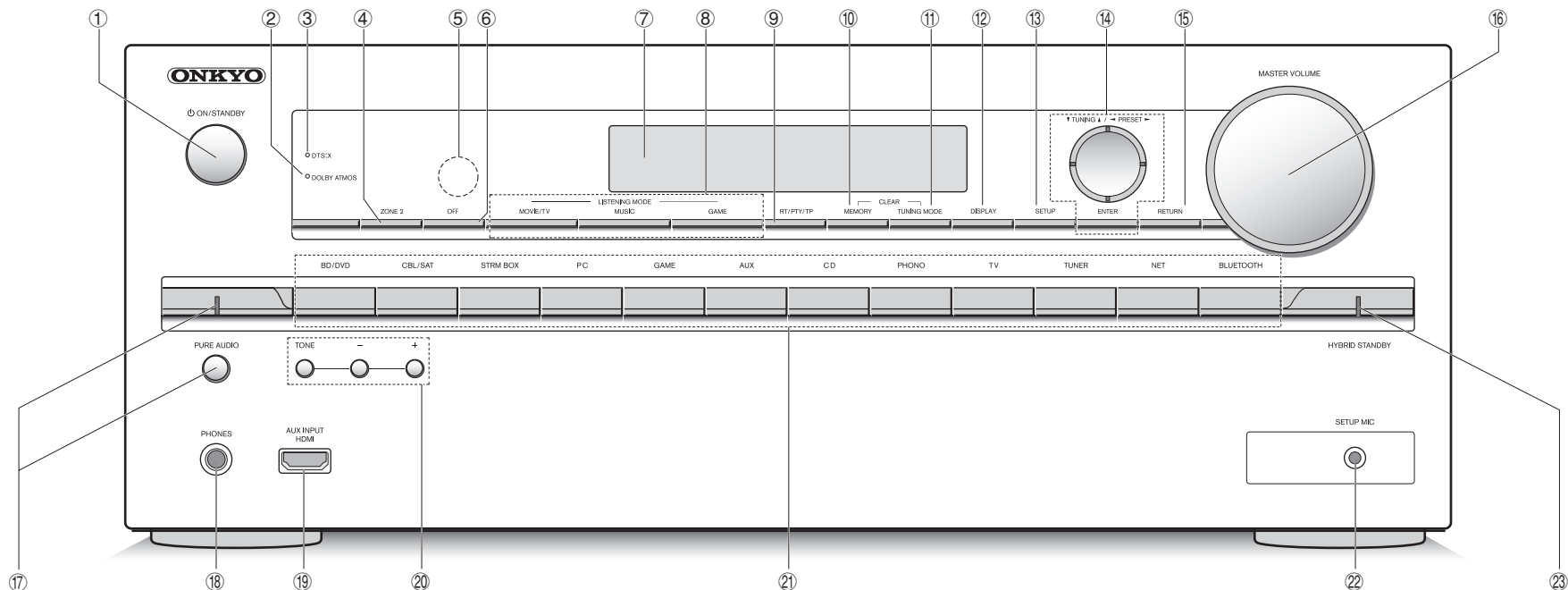
高级手册以电子手册的方式在网上发布，其中包含更详细的信息和高级设置。
高级手册格式方便，可轻松地在 PC 或智能手机上阅读。高级手册包含以下内容：



- AM/FM 接收详情
- 播放 USB 存储设备上的音乐文件
- 收听网络收音机
- 通过 DLNA 播放音乐
- 播放共享文件夹中的音乐文件
- 使用遥控器操作音乐文件
- 聆听模式
- 高级设置
- 使用遥控器操作其他组件
- 高级扬声器连接
- 连接并操作 Onkyo RI 组件
- 固件更新
- 故障排除
- 参考信息



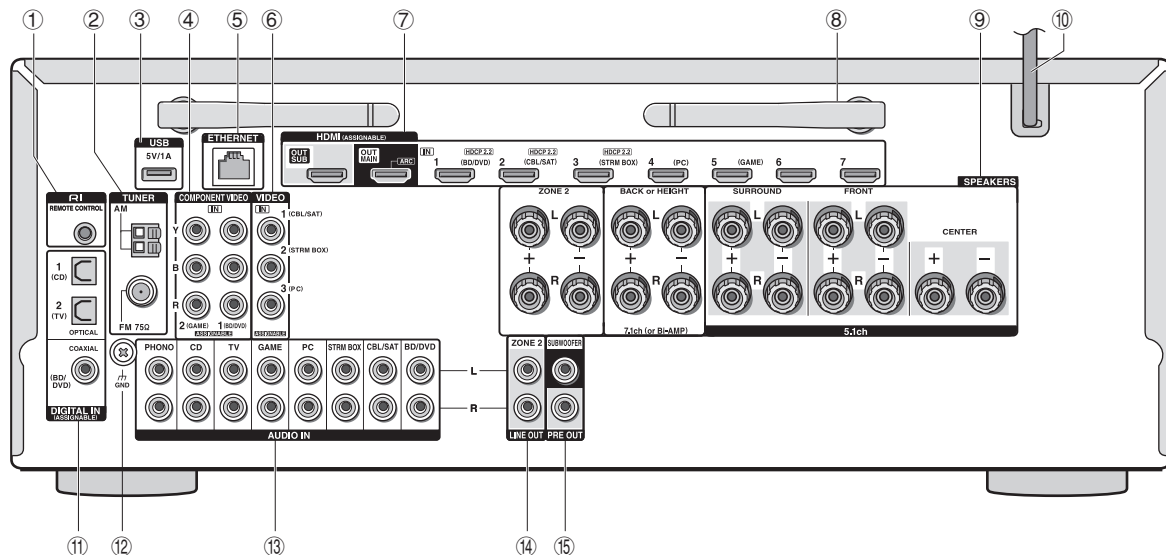
高级手册在此处
<http://www.onkyo.com/manual/txnr646/adv/cs.html>



前面板

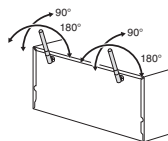
- ① **ON/STANDBY 按钮**：打开设备或进入待机模式。
- ② **DOLBY ATMOS 指示灯**：在播放 Dolby Atmos 时亮起。
- ③ **DTS:X 指示灯**：在播放 DTS:X 时亮起。
- ④ **ZONE2 按钮**：控制多区域功能。
- ⑤ **遥控感应器**：接收来自遥控器的信号。
- ⑥ **OFF按钮**：将多区域功能切换至关闭。
- ⑦ **显示屏**
- ⑧ **LISTENING MODE按钮**：可以让您选择聆听模式。
- ⑨ **RT/PTY/TP 按钮**：在接收广播电台发送的文本信息时可以使用。
- ⑩ **MEMORY 按钮**：记录电台。
- ⑪ **TUNING MODE 按钮**：切换至调频模式。
- ⑫ **DISPLAY 按钮**：切换显示屏上的信息。
- ⑬ **SETUP 按钮**：进行设置时使用。
- ⑭ **光标按钮、▼TUNING▲按钮、◀PRESET▶按钮和ENTER 按钮**：移动光标，并确认选择。在收听AM/FM 广播时，使用▼TUNING▲调频至广播台，或者使用

- ◀PRESET▶ 选择已注册台。
- ⑮ **RETURN按钮**：使显示返回到以前状态。
- ⑯ **MASTER VOLUME**：可以让您调节音量。
- ⑰ **PURE AUDIO 按钮/指示灯**：已关闭显示和模拟视频电路，以便将本机切换至 Pure Audio 模式并提供更纯正的声音。
- ⑱ **PHONES插孔**：已连接带标准插头的立体声耳机。
- ⑲ **AUX INPUT HDMI 接口**：已连接一台高清摄像机或其他此类设备。
- ⑳ **TONE和音调高低按钮**：调节高音调和低音调。
- ㉑ **输入选择器按钮**：切换要播放的输入信号源。
- ㉒ **SETUP MIC接口**：已连接随机提供的扬声器设置麦克风。
- ㉓ **HYBRID STANDBY指示灯**：启用 HDMI Standby Through、USB Power Out at Standby、网络待机或 Bluetooth唤醒功能后，如果本机进入待机模式，则会亮起。

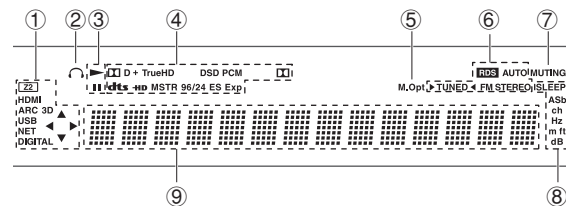


后面板

- ① **RI REMOTE CONTROL接口**：可以连接带RI接口的Onkyo产品并与本机同步。
- ② **TUNER AM/FM (75 Ω) 接线端子**：已连接随机提供的天线。
- ③ **USB端口**：已连接一个USB存储设备，以便播放它上面存储的音乐文件。通过USB线缆连接USB设备时，可通过端口为USB设备供电。
- ④ **COMPONENT VIDEO IN 接口**：色差分量视频输入接口。
- ⑤ **ETHERNET端口**：用于LAN连接。
- ⑥ **VIDEO IN 接口**：输入模拟视频信号。
- ⑦ **HDMI IN/OUT接口**：在本机和连接的设备之间传输数字视频信号和音频信号。
- ⑧ **无线天线**：用于Wi-Fi连接，或在使用支持Bluetooth的设备时。根据连接情况调整它们的角度。



- ⑨ **SPEAKERS接线端子**：已连接扬声器。要使用多区域功能，请将单独房间中的扬声器连接至ZONE2扬声器端子。
- ⑩ **电源线**
- ⑪ **DIGITAL IN COAXIAL/OPTICAL接口**：已输入数字音频信号。
- ⑫ **GND端子**：唱机的地线已连接。
- ⑬ **AUDIO IN 接口**：输入模拟音频信号。
- ⑭ **LINE OUT ZONE 2 接口**：用于连接到前置主放大器的音频输出接口，适用于在不同房间进行多区域播放。
- ⑮ **PRE OUT SUBWOOFER 接口**：已连接带内置放大器的重低音扬声器。



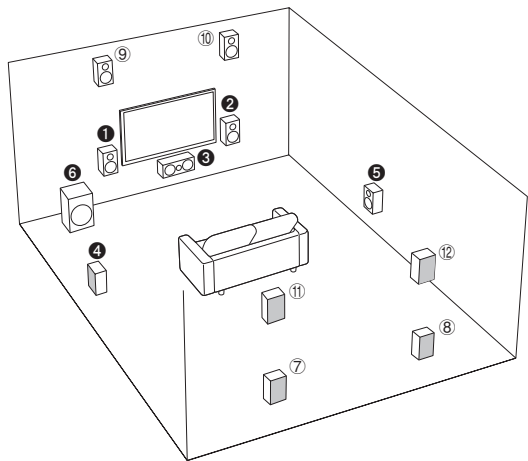
显示屏

- ① 在下列情况下亮起。“Z2”：已开启Zone 2输出。
/“HDMI”：已输入HDMI信号且已选定HDMI输入选择器。
/“ARC”：从ARC兼容电视和已选定电视输入选择器输入音频信号。
/“3D”：输入信号为3D。
/“USB(*)”：已选定“NET”输入且已连接USB存储设备。
/“NET(*)”：已选定“NET”输入且已将本机连接到网络。
/“DIGITAL”：已输入数字信号且已选定数字输入选择器。
/光标指示器：已控制NET或USB。
* 如果连接不正确，“USB”和“NET”会闪烁。
- ② 当已连接耳机时持续亮起。
- ③ 在控制NET或USB时亮起。
- ④ 根据输入数字信号的类型和聆听模式亮起。
- ⑤ 在启用Music Optimizer时持续亮起。
- ⑥ 在下列情况下亮起。“AUTO”：调整模式为自动。
/“▶TUNED◀”：接收AM/FM电台。▶◀在自动进行调谐时闪烁。
/“FM STEREO”：接收FM立体声。
/“RDS”：接收RDS广播。
- ⑦ 开启静音时闪烁。
- ⑧ 在下列情况下亮起。“SLEEP”：已设定睡眠定时器。
/“ASb”(自动待机)：已开启自动待机。
/“ch”：正在设定频道。
/“Hz”：正在设定交叉频率。
/“m/ft”：正在设定扬声器距离。
/“dB”：正在设定扬声器音量。
- ⑨ 显示输入信号的各种信息。按DISPLAY显示输入数字信号的类型和聆听模式。

步骤1：连接

1 连接扬声器

扬声器布局



重要说明：必须在完成其他所有连接之后才能连接电源线。

- ① ② 前置扬声器
- ③ 中置扬声器
- ④ ⑤ 环绕扬声器
- ⑥ 重低音扬声器
- ⑦ ⑧ 后置扬声器

- ⑨ ⑩ 纵向扬声器（前面纵向）
- ⑪ ⑫ 纵向扬声器（后面纵向）

• 5.1 ch: ①②③④⑤⑥

• 7.1 ch: ①②③④⑤⑥+⑦⑧ 或
①②③④⑤⑥+⑨⑩ 或
①②③④⑤⑥+⑪⑫

⑦⑧ 扬声器、⑨⑩ 扬声器和 ⑪⑫ 扬声器共享相同的扬声器端子。选择其中一组。

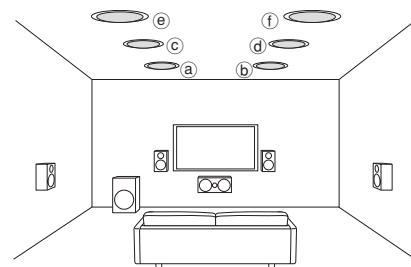
- 要尽享 Dolby Atmos 聆听模式，需要安装纵向扬声器或后置扬声器。除了这种类型外，还有多种纵向扬声器。详情请见下一小节。
- 要使用多区域功能，请参阅“步骤 3：回放”中的“多区域功能”。

各种扬声器特性

①② 输出前置立体声音和 ③ 输出中置声音，比如对话和声乐。④⑤ 生成后声场。⑥ 再现低音声音并生成丰富的声场。连接 ⑦⑧ 扬声器、⑨⑩ 扬声器或 ⑪⑫ 扬声器可以 7.1 ch 配置进行播放。⑦⑧（后置）扬声器可提升由后方声场所营造的环绕感以及后方声音的流畅性，在声场中打造更为自然的声音效果。⑨⑩ 或 ⑪⑫（纵向）扬声器在纵向平面上产生环绕效果。本机可针对在“初始设置”中实际安装和记录的纵向扬声器类型执行最佳声场处理。

纵向扬声器类型

在天花板中安装扬声器



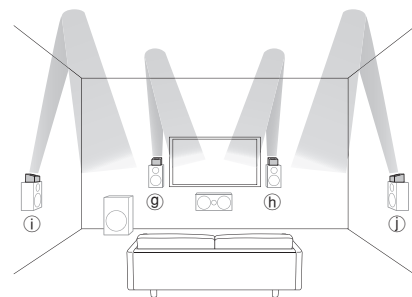
- ① ② 顶部前面
- ③ ④ 顶部中间
- ⑤ ⑥ 顶部后面

吸顶扬声器等用于在 Dolby Atmos 或 Dolby Surround 聆听模式下将效果最大化。安装顶部前面扬声器，将其置于聆听位置正上方和前置扬声器正上方之间的位置。安装顶部中间扬声器，将其置于聆听位置正上方。安装顶部后面扬声器，将其置于聆听位置正上方和后置扬声器正上方之间的位置。您可以选择本机上的 (a)(b)、

(c)(d) 或 (e)(f)。要连接本机，请使用 SPEAKERS BACK or HEIGHT 端子。

- 杜比实验室建议您将扬声器按照“安装吸顶扬声器”中的说明进行放置，以获得最佳的 Dolby Atmos 效果。

使用Dolby功能的扬声器



- ⑨ ⑩ Dolby功能的扬声器（前置）
- ⑪ ⑫ Dolby功能的扬声器（环绕）

Dolby功能的扬声器经过专门设计，可用作纵向扬声器。有两种Dolby比功能的扬声器；一种设计为放在其他扬声器（如前置扬声器和环绕扬声器）顶部，另一种设计为与普通扬声器集成。将Dolby比功能的扬声器的隔膜朝向天花板放置可通过天花板上的环绕回声在Dolby Atmos 及 Dolby Surround 聆听模式下生成更好的效果。您可以在本机上选择 (g)(h) 或 (i)(j)。要连接本机，请使用 SPEAKERS BACK or HEIGHT 端子。

播放 Dolby Atmos 时，所需的扬声器取决于您如何设置后置扬声器或纵向扬声器。下表显示了再现 Dolby Atmos 所需的扬声器组合。

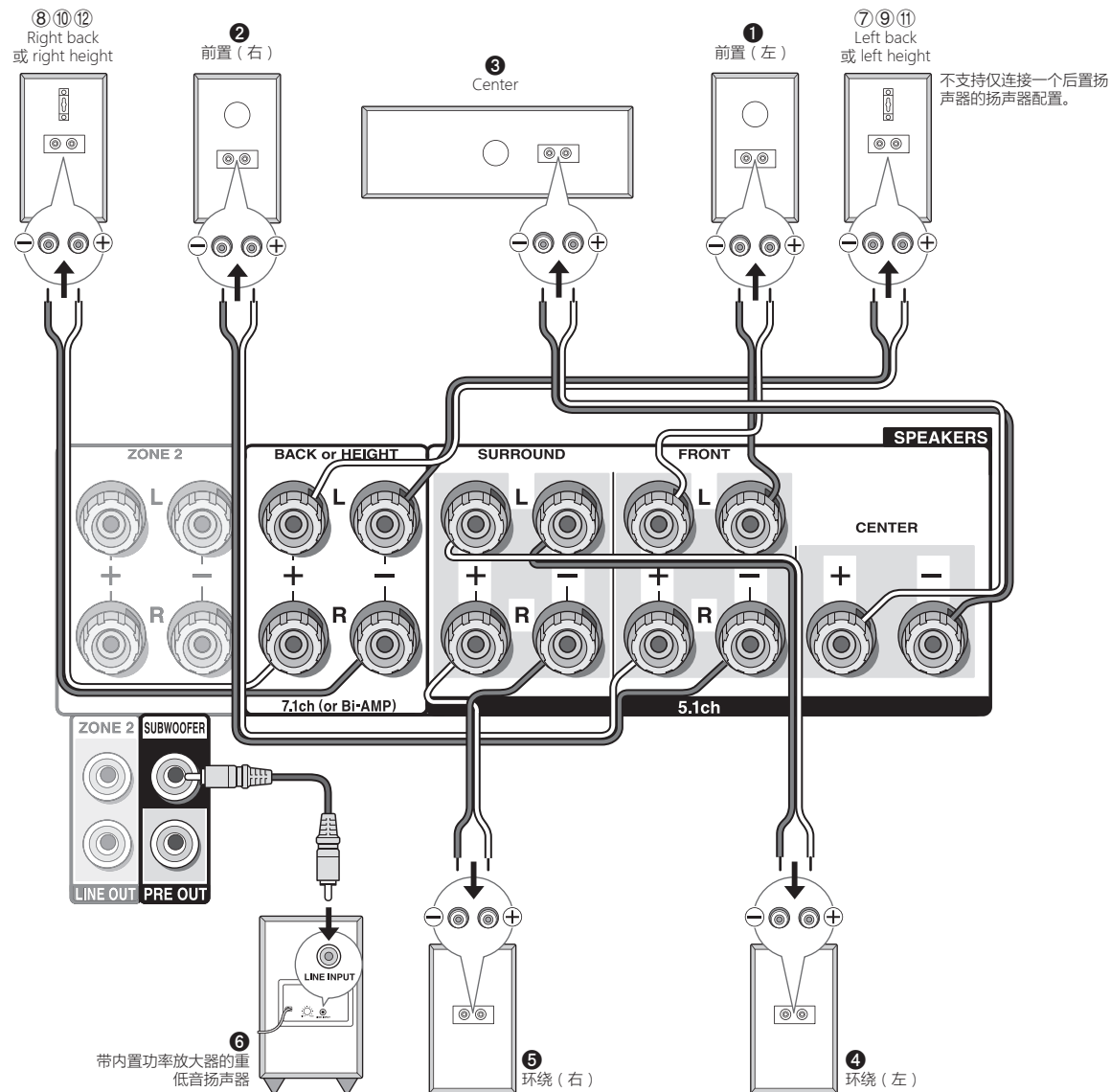
连接模式	Back or Height	Front	Center	Surround
1	Back	⊗	○	⊗
2	前置纵向	⊗	○	○
3	后面纵向	⊗	○	○
4	顶部前面	⊗	○	○
5	顶部中间	⊗	○	○
6	顶部后面	⊗	○	○
7	Dolby功能的扬声器(前置)	⊗	○	○
8	Dolby功能的扬声器(环绕)	⊗	○	⊗

⊗：必需，○：可选

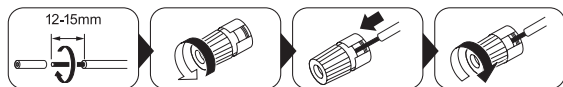
* 可选择是否连接重低音扬声器。

重要说明

连接4Ω至16Ω阻抗的扬声器。如果任何扬声器带有大于等于4Ω至小于6Ω的阻抗，您必须更改设置。使用比设置阻抗小的扬声器可能会导致故障。可以通过查看电视屏幕上显示的指导进行设置。使用遥控器的光标按钮选择项目，然后按 ENTER 按钮确认您的选择。若要返回前一屏幕，请按 RETURN。按遥控器上的 **RECEIVER**，然后按 SETUP。选择“2.Speaker” - “Configuration” - “Speaker Impedance”，并将默认值“6ohms”更改为“4ohms”。

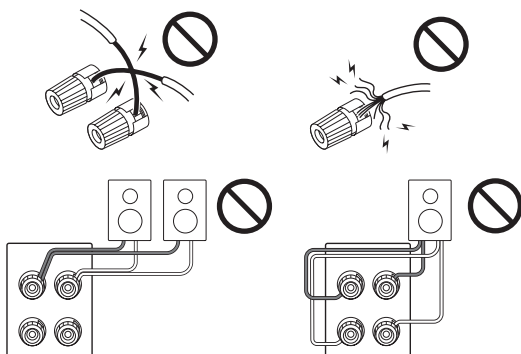


关于如何连接扬声器的说明

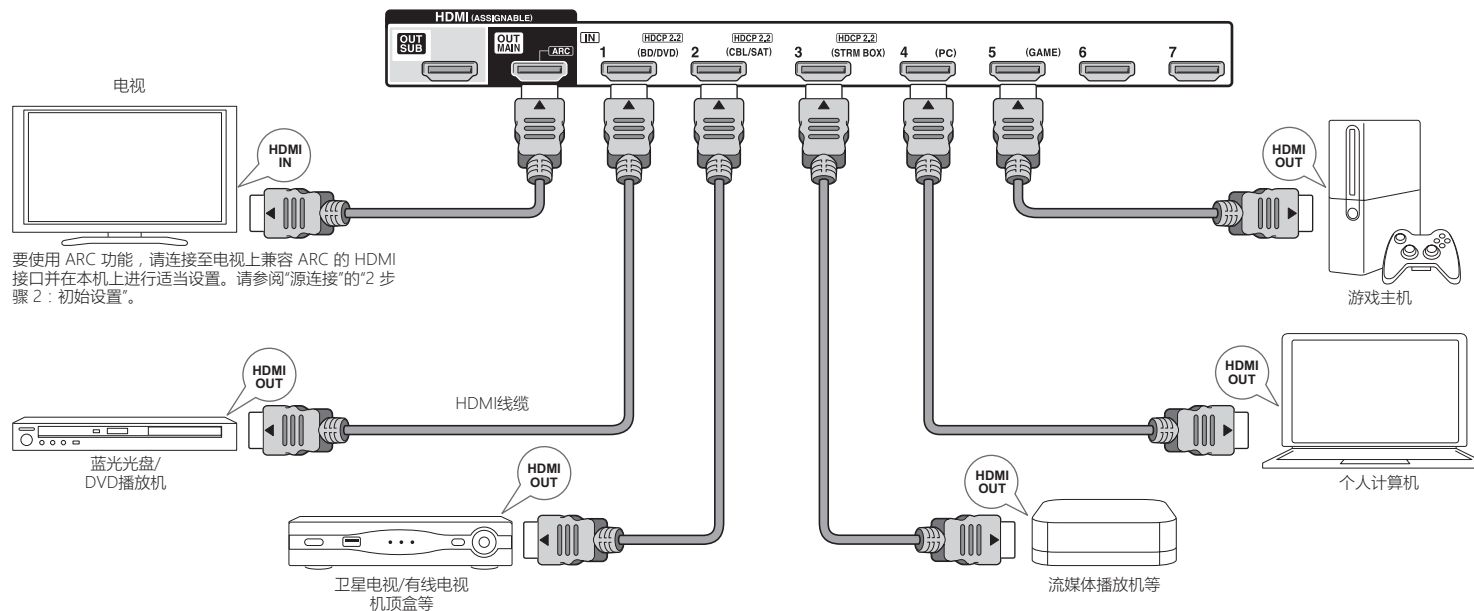


切除扬声器线缆末端的塑料涂层，扭紧线芯并连接到接线端子。确保为每个声道正确连接本机接口和扬声器接口（+ 连接至 +；- 连接至 -）如果连接错误，由于反相，低音效果可能变差。最多可以将两个带内置功放的重低音扬声器连接至重低音扬声器接口。将重低音扬声器的截止滤波器选择开关设置为 DIRECT。如果重低音扬声器没有截止滤波器选择开关，但有一个截止频率调节盘，请把它调到最高频率。如果重低音扬声器没有内置功率放大器，可以在本机和重低音扬声器之间连接一个功率放大器。

- 在购买时，扬声器设置为 7.1 声道。您可以手动或使用自动扬声器设置进行更改。
- 将“+”线缆和“-”线缆短路或将线芯连接到本机后面板可能会导致故障。也请勿将两根或以上线缆连接到一个扬声器端子或将一个扬声器连接到多个端子。



2 连接电视和播放机



HDMI线缆连接

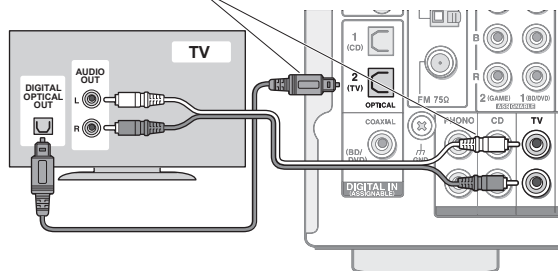
本机的后面板上有很多HDMI接口，各自对应前面板上相同名称的输入选择按钮。例如，将蓝光光盘播放机连接到HDMI IN1接口，前面板上的BD/DVD按钮用于收听播放的声音（如果播放机与CEC兼容，开始播放时会自动切换输入）。如果增加一个蓝光光盘播放机，可以使用HDMI IN1以外任何其他接口。可以改变输入接口和输入选择器按钮的分配。关于如何进行设置，请参见高级手册。

要将电视与本机连接，请使用HDMI线缆将本机的HDMI OUT MAIN接口与电视的HDMI IN接口连接。通过此连接，可以在电视上显示本机的设置屏幕或从播放机向电视传输视频/音频信号。如果您的电视支持ARC（音频回传通道），仅通过此连接即可使用AV接收机的扬声器播放电视声音。如果您的电视不支持ARC，除连接HDMI OUT MAIN接口外，还需要在电视的数字音频输出光纤接口和本机的DIGITAL IN OPTICAL接口之间连接一根数字光缆，或在电

视的音频输出接口和本机的AUDIO IN TV接口之间连接一根模拟音频线缆。

● 与不支持ARC的电视进行音频连接

* 选择适合电视机的连接。

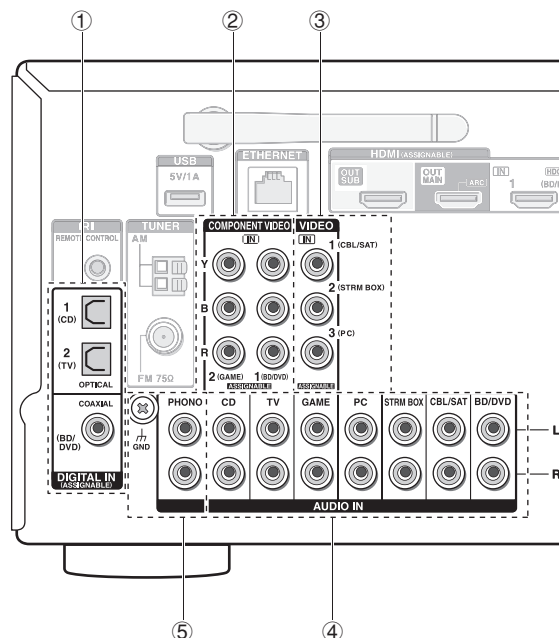


本机支持HDMI Standby Through功能，即使本机处于待机状态下也允许视频和音频信号从播放机向电视传输。您必须修改设置，以启用与CEC（消费电子控制装置）兼容设备相链接的输入选择，与ARC兼容电视的连接，以及HDMI Standby Through功能。请参阅“步骤2：初始设置”的“2 源连接”。

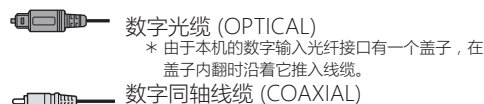
- 另外一台电视可以连接至HDMI OUT SUB接口。
- 要尽享HDCP2.2保护的视频，请将播放机连接至HDMI IN1 - IN3接口中的一个，然后通过HDMI连接本机和电视。如果您的电视没有HDCP2.2兼容的输入接口，则无法查看受HDCP2.2保护的图像。
- 要播放4K或1080p视频，请使用高速HDMI线缆或高速HDMI以太网线缆。

连接不带HDMI的设备

如果您的AV组件没有HDMI接口，请使用您组件上的可用接口用于与本机进行线缆连接。



- ① 可以连接带数字音频输出接口的播放机。



- ② 可以连接带分量视频输出接口的播放机。

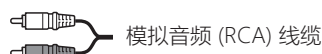


- ③ 可以连接带复合视频输出接口的播放机。



- ④ 可以连接带模拟音频输出接口的播放机。使用接口 ② 和 ③ 进行视频输入时，连接与 ② 和 ③ 连接的接口相对应的音频输入接口。（比如，当通过 ② BD/DVD接口输入视频时，音频输入连接也应连接至 ④ BD/DVD接口。）

* 可以改变输入接口和输入选择器按钮的分配。关于如何进行设置，请参见高级手册。
* 要尽享播放机的多区域播放功能，请将播放机连接至 ① 或 ④ 接口。

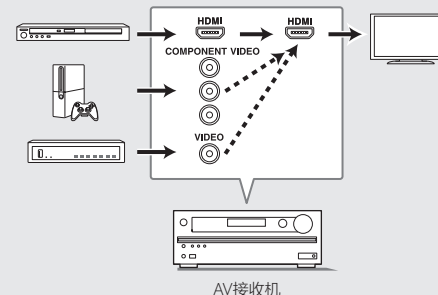


- ⑤ 连接使用 MM 型唱针并且没有内置音频均衡器的唱机。如果连接的唱机拥有内置的音频均衡器，请将其连接至 ④ CD 接口。

* 如果唱机使用 MC 型唱针，请在本机和唱机之间安装与 MC 型唱针兼容的音频均衡器，将其连接至 ④ CD 接口。详情请见唱机的说明手册。
* 如果唱机带有地线，请将其连接至本机的GND端子。如果连接地线噪音增大，请断开连接。

视频升频功能

输入至 VIDEO IN 接口或 COMPONENT VIDEO IN 接口的视频信号将会被升频至 HDMI 信号，并且随后从 HDMI 输出接口输出。

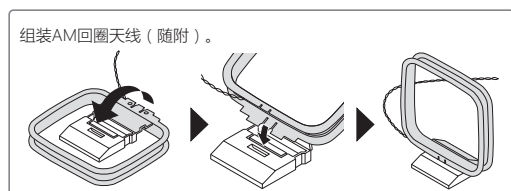
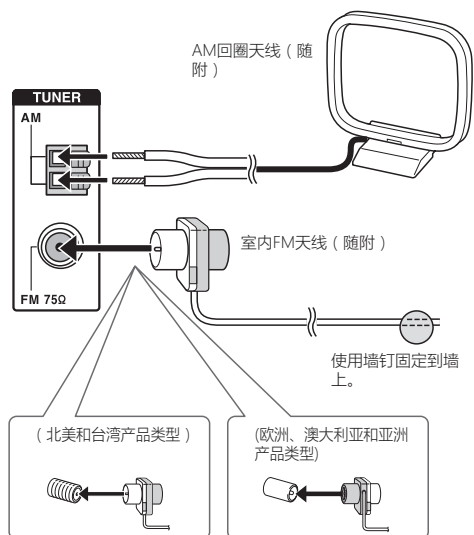


* 当您输入至 COMPONENT VIDEO IN 接口的视频信号进行升频转换后从 HDMI OUT 接口输出时，请将播放机的输出分辨率设为 480i 或 576i。如果输入的分辨率为 480p/576p 或更高，将出现一条消息提示您更改分辨率设置。如果您的播放机不支持 480i 或 576i 输出，请使用 VIDEO IN 接口。
* 如果将多个视频信号输入至一个输入系统，那么 HDMI 信号具有最高输出优先级。

3 其他连接

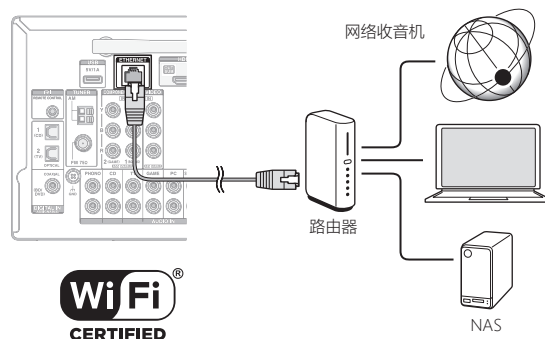
AM/FM天线连接

连接天线，收听AM/FM广播。第一次听到广播时，请调整天线位置和方向，以便获得最佳接收效果。



网络连接

将本机连接到 LAN 即可享用网络收音机、DLNA 和 AirPlay。可能通过以太网缆将本机连接到路由器或通过 Wi-Fi 连接到无线 LAN 路由器。如果采用有线连接，请将以太网缆连接到以太网端口。请参阅“步骤 2：初始设置”的“4 网络连接”了解 Wi-Fi 设置。



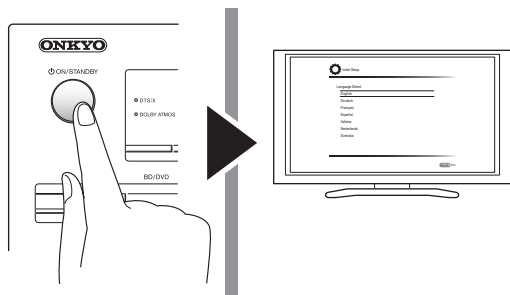
耳机连接

将带标准插头（ $\varnothing 6.3$ 毫米）的立体声耳机连接到前面板上的 PHONES 接口。使用耳机时，会切断扬声器的声音。

- 如果选择 Pure Audio、Stereo、Mono 和 Direct 以外的任何其他聆听模式，连接耳机会将聆听模式切换为 Stereo。

步骤 2：初始设置

首次启动本机时，电视上会自动启动“Initial Setup”。



设置将按照以下顺序进行：

1 AccuEQ 室内校准

- 自动校准最佳的扬声器设置

2 源连接

- 检查每个输入源是否正确连接
- HDMI 链接功能设置

3 遥控模式

- 使用遥控器操作其他 AV 设备所需的设置

4 网络连接

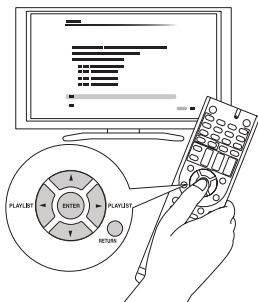
- 检查网络连接
- Wi-Fi 设置

* **固件更新通知：**如果通过LAN连接本机并存在可用的固件更新，则会出现“Firmware Update Available”消息。要执行更新，请使用遥控器的光标按钮选择“Update Now”，然后按ENTER。
当出现“Completed!”时，按主机上的 **ON/STANDBY** 将本机转为待机模式。然后更新将会完成。（即使您没有按 **ON/STANDBY**，本机也会在约 3 分钟后自动转为待机模式，并完成更新。）

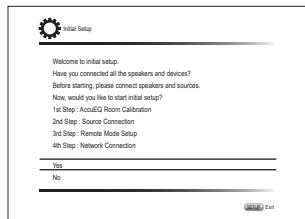
开始之前

设置将通过回应本机提出的一系列问题这一形式进行。使用遥控器的光标选择项目，并按 ENTER 确认您的选择。若要返回前一屏幕，请按 RETURN。

- 将电视上的输入切换到分配给本机的部分。



首先选择语言。接下来，显示初始设置的摘要。在该画面中选择“Yes”，然后按遥控器上的ENTER。



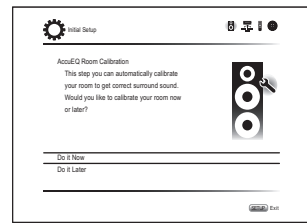
重新进行初始设置：如果您中途终止程序，或更改了初始设置时进行的设置，并且希望再次调出安装向导，请按遥控器上的 **RECEIVER**，再按 **SETUP**，选择“8.Miscellaneous” - “Initial Setup”，最后按 ENTER。

1 AccuEQ 室内校准

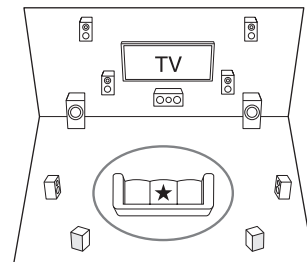
将会测量来自各个扬声器的测试音，以便启用对于扬声器数量、音量、各个扬声器的最有交叉频率，以及距主聆听位置的设置，并且校正由于室内声学环境所造成的失真。

- 在扬声器设置过程中，即使您按 RETURN 也不能返回前一屏幕。

1. 放置扬声器设置麦克风。



当显示以上开始屏幕时，在启动程序以前，通过参照下图，将随附的扬声器设置麦克风放置在测量位置★。



○：聆听区

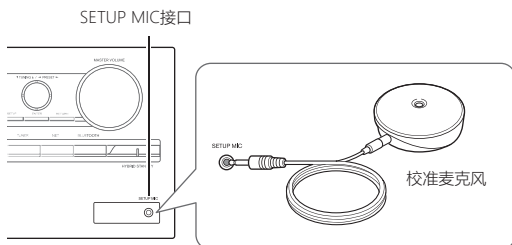
★：麦克风测量位置

- * 如果手持麦克风，则不可能进行正确测量。如果正在使用耳机，则不可能进行测量。
- * 由于重低音扬声器的频率非常低，可能无法检测到它的声音。将重低音扬声器的音量设置为其最大音量的一半左右。
- * 如果存在环境噪声或射频干扰，测量可能会中断。在此情况下，关闭窗口、家电和荧光灯。

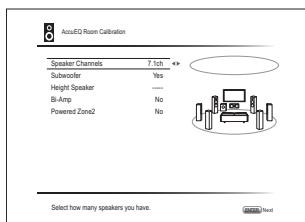
2. 在测量位置处放置麦克风后，通过光标选择 “Do it

Now” 并按ENTER。

- 当显示 “Please plug microphone that came in a box with AV receiver” 时，请将麦克风连接到本机的 SETUP MIC 接口。



- 选择已连接扬声器的设置、纵向扬声器的类型以及其他相应设置。



当显示以上屏幕时，通过遥控器上的光标按钮设置项目。请参阅“Speaker Channels”的屏幕图形，该图形会在每次选择其他声道数量后更改。设置所有项目后，按下遥控器上的 ENTER。然后，按照电视屏幕上显示的指导操作本机。

- 请参阅项目内容，将光标置于项目上时，屏幕左下角会显示项目内容。

- 从连接的扬声器中发出测试音，然后开始自动扬声器设置。

为每个扬声器进行三次或更多次测量。需要几分钟来完成。在测量过程中，尽量保持室内安静。如果任何扬声器没有发出测试音，请检查连接是否断开。

- 在测量过程中，各扬声器均以高音量输出测试音。请小心可能会扰邻的声音泄漏，谨防惊吓幼童。

- 当完成测量时，显示测量结果。

按遥控器上的 ◀/▶，检查设置。选择“Save”并且按 ENTER。选择下一屏幕中的“On”，然后按遥控上的 ENTER。

- 通常，您应该选择“On (All Channels)”。要仅禁用前置

扬声器，则应选择“On (Except Front Left/Right)”。

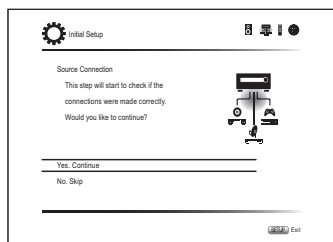
- 如果出现一条错误消息，请按照屏幕上的指示消除错误原因。如果没有检测到重低音扬声器，请将重低音扬声器的音量调到最大，然后选择“Retry”。

- 当显示 “Please unplug setup microphone.” 时，请拔下麦克风。

2 源连接

您可以检查不同输入上的连接，然后设置 HDMI 链接功能。

- 当显示源连接开始屏幕时，通过光标选择 “Yes, Continue”，然后按ENTER。



- 选择需要的输入检查连接，然后按ENTER。

所选设备开始播放。如果连接正确，本机上所选的输入源的视频/音频将会播放。

- 在检查连接后，使用光标选择 “Yes”，并且按ENTER。

- 如果您选择“No”并按ENTER，则会显示错误原因。请按照指导移除错误原因，并再次检查连接。

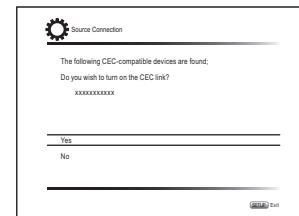
- 通过光标选择 “Yes” 并且按遥控器上的ENTER检查其他输入的连接，或者选择 “No, Done Checking” 并且按ENTER跳过检查。

如果您选择“Yes”，您将会返回至步骤2的画面。

如果您选择“No, Done Checking”，您将会继续进行步骤5。

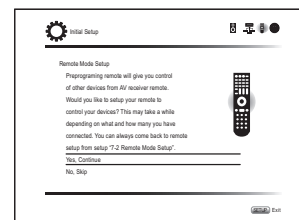
- 设置 CEC 链接功能。

选择“Yes”启用与 CEC 兼容设备的 HDMI 链接功能，然后在下一个屏幕上再次选择“Yes”。



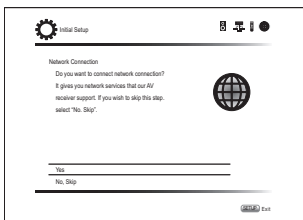
如果您选择“Yes”，与 ARC 兼容电视的连接以及 HDMI Standby Through 功能将会被设置为“On”并被启用。

3 遥控模式设置



您可以使用本机的遥控器启用其他组件的操作。在遥控模式设置开始屏幕显示时，通过光标选择“Yes, Continue”并且按遥控器上的 ENTER。按照指导选择需要的 REMOTE MODE 按钮，在键盘屏幕中，输入您将要编程的设备的品牌名称的前三个字符，并且搜索远程控制代码。该指导也将解释如何设置遥控器。

4 网络连接



您可以检查网络连接并进行 Wi-Fi 设置。在网络连接开始屏幕显示时，通过光标选择“**Yes**”并且按遥控器上的ENTER。如果您在接下来的画面中选择“**Wired**”，您可以查看LAN线缆的连接状态。要进行Wi-Fi设置，请选择“**Wireless**”，按遥控器上的ENTER并按照以下部分进行。

进行以下准备工作。

Wi-Fi连接需要一个接入点，如无线LAN路由器(*)。如果在主机的标签中显示接入点的SSID和密码（密钥），请写下来。如果接入点有一个自动设置按钮（制造商对它的称谓可能各不相同），您可以进行设置，无需输入密码。关于如何使用接入点的自动设置按钮，请参阅其使用手册。

* 本机支持2.4 GHz接入点的Wi-Fi连接。

1. 使用光标选择 **Wi-Fi** 的连接方法，然后按ENTER。
Scan Networks：使用本机搜索并连接至无线 LAN 路由器或其他接入点。
Use iOS Device (iOS7 or later)：选择此方法可让本机与您的 iOS 设备共享 Wi-Fi 设置并轻松建立 Wi-Fi 连接。

■ 如果您已选择 “Scan Networks”

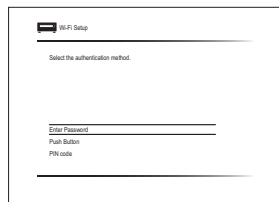
2. 选择要与光标按钮连接的接入点的SSID，然后按ENTER。

当电视屏幕上出现接入点的SSID时，请选择所需接入点。

- 如果您已将接入点的初始设置变更为跳过密码输入，则无需执行步骤 3。
- 如果您已将接入点的初始设置变更为隐藏SSID，请参阅“当不显示接入点时”。

3. 选择并设置验证方法。

如果无线 LAN 路由器无自动设置按钮，则可能会自动显示“Enter Password”屏幕。



当显示此屏幕时，请选择并设置三种验证方法中的一种：“Enter Password”、“Push Button”和“PIN code”。请参阅下面如何设置每种方法的详细信息。

Enter Password：输入接入点的密码，建立连接。

- ① 使用光标按钮选择“Enter Password”，然后按ENTER。
- ② 在键盘屏幕上输入密码(*)，使用光标按钮选择“OK”，然后按ENTER。

* 请选择“A/a”并且按ENTER切换大小写。选择“←”或“→”，并且按ENTER，将光标移动到选定的方向。选择“⌫”，然后按ENTER可删除光标位置左侧的字符。若要选择是使用*“掩盖密码还是以纯文本形式显示，请按遥控器上的D。按遥控器上的+10可切换大小写。按CLR可删除所有输入字符。

- ③ 如果要连接的接入点的安全方法是WEP，请选择“Default Key ID”，再选择“OK”，然后按ENTER。

Push Button：使用接入点的自动设置按钮建立连接。

- ① 使用光标按钮选择“Push Button”，然后按ENTER。
- ② 按住接入点的自动设置按钮所需秒数，通过光标按钮选择“OK”，然后按ENTER。

PIN code：当无法实现接入点的自动设置按钮功能时，请选择此种方法。使用光标按钮选择“PIN代码”，然后按ENTER，显示8位PIN代码。注册显示的接入点PIN代码，使用光标按钮选择“OK”，然后按ENTER。关于如何注册接入点PIN代码，请参阅其使用手册。

4. 请在网络连接确认屏幕中选择 “Yes, Start to Check”。

当不显示接入点时

使用遥控器上的▶ 光标选择“Other...”，然后按ENTER，显示键盘屏幕。输入SSID和密码。根据路由器设置进行下列设置。

■ WPA/WPA2方法

选择“Security Method”中的“WPA”或“WPA2”，再选择“OK”，然后按ENTER。

■ WEP方法

选择“Security Method”中的“WEP”，再选择“Default Key ID”。然后选择“OK”，再按ENTER。

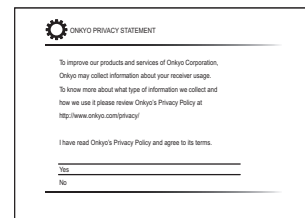
- 如果尚未在无线LAN路由器上进行加密设置，请选择“Security Method”中的“None”，再选择“OK”，然后按ENTER。

■ 如果您已选择 “Use iOS Device (iOS7 or later)”

2. 在 iOS 设备上，转至 “Settings” - “Wi-Fi” 并打开设置，然后在 “SETUP NEW AIRPLAY SPEAKER” 中选择本机。
3. 点击 “Next”。
4. 请在网络连接确认屏幕中选择 “Yes, Start to Check”。

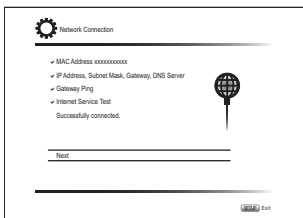
* 隐私政策

网络设置期间，系统会显示一个询问您是否同意隐私政策的确认屏幕。选择“**Yes**”并按 ENTER 同意策略。



■ 成功连接时

屏幕上会显示“Successfully Connected.”。



如果没有显示该屏幕，请尝试重新设置。如果无线LAN路由器的“Push Button”连接无法正常工作，请尝试“Enter Password”。

所连接播放机的音频输出

若要欣赏包括 Dolby Digital 和 DTS 的数字环绕声音，应将所连接的蓝光光盘播放器或其它设备上的音频输入设置为“Bitstream output”。

根据蓝光光盘播放器上的设置，可能存在 Dolby TrueHD、Dolby Atmos 和 DTS-HD Master Audio 不依据音源格式输出的情形。

在这种情况下，在蓝光光盘播放器设置中，尝试将“BD video supplementary sound”（或第二声音）设置为“Off”。

在更改设置后更改聆听模式以确认。

■ 终止初始设置

在完成初始设置后，保持选择“Finished”并按遥控器上的ENTER。本机的连接和设置现在完成。

步骤 3：回放

1 基本操作



1. 开启电源。

按遥控器上的 ① ❶ RECEIVER 开启电源。

- 将电视上的输入切换到分配给本机的部分。使用电视遥控器。

2. 选择本机上的输入。

为您要聆听的播放器选择 ② INPUT SELECTOR 按钮。按 TV 以聆听电视声音。您还可以使用主机上的输入选择器按钮。

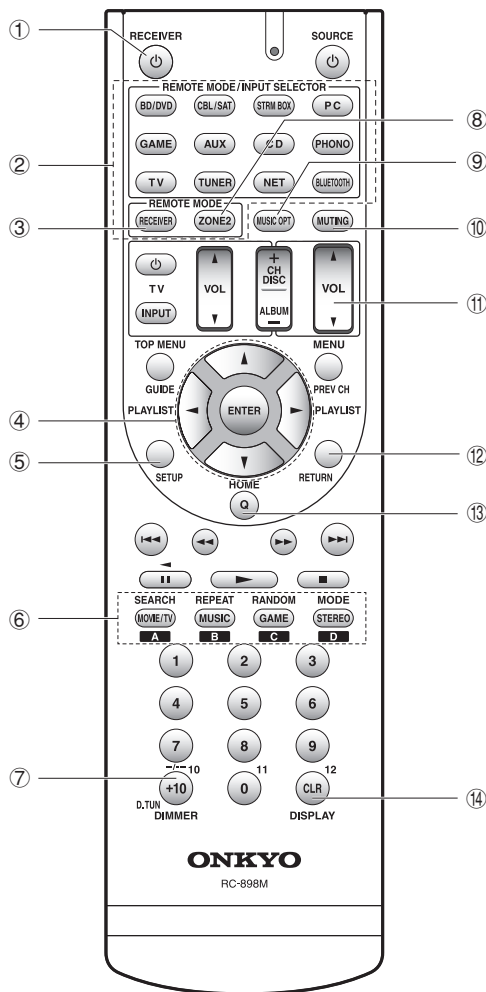
- 如果电视或播放机与 CEC 兼容并使用 HDMI 线缆连接到本机，则会自动选择输入。

3. 选择所需聆听模式。

按 ③ RECEIVER，然后按 ⑥ 聆听模式按钮来切换模式，以便感受不同的聆听模式。

4. 使用 ⑪ VOL 调整音量。

遥控器的零件名称和功能



① ❶ RECEIVER 按钮：打开设备或进入待机模式。

② REMOTE MODE/INPUT SELECTOR 按钮：切换要播放的输入信号源。此外，通过将特定远程控制代码注册到按钮上，您可以通过按该按钮切换遥控模式以操作其他设备。

③ RECEIVER 按钮：将遥控器切换至操作本机的模式。

④ 光标按钮和 ENTER 按钮：移动光标，并确认选择。

⑤ SETUP 按钮：显示用于为本机进行多种设置的屏幕。

⑥ 聆听模式按钮：可以让您选择聆听模式。

MOVIE/TV 按钮：您可以选择适合电影和电视节目的聆听模式。

MUSIC 按钮：您可以选择适合音乐的聆听模式。

GAME 按钮：您可以选择适合游戏的聆听模式。

STEREO 按钮：您可以选择立体声和所有声道立体声音源的聆听模式。

- 有关聆听模式的详情，请参见高级手册。

⑦ DIMMER 按钮：切换显示屏亮度。

⑧ ZONE2 按钮：适用于将本机连接到一个单独房间的前置主放大器或扬声器并在该房间播放声音的情况。

⑨ MUSIC OPT 按钮：打开/关闭 MUSIC OPTIMIZER 可以改善压缩格式音频的音质。

⑩ MUTING 按钮：暂时将音频静音。再次按该按钮以取消静音。

⑪ VOLUME 按钮：可以让您调节音量。此按钮也能取消静音。

⑫ RETURN 按钮：使显示返回到以前状态。

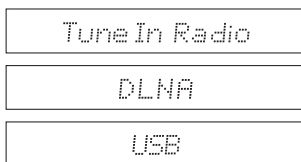
⑬ Q 按钮：显示快捷设置菜单，可以让您能够快速访问常用的设置项目，包括音质调整。

⑭ DISPLAY 按钮：切换显示屏上的信息。

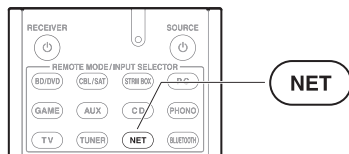
2 网络功能

您可以将本机连接至网络，尽享各种网络功能。

- 如果 OSD 语言设置为中文，则不显示屏幕菜单。但是，您可以使用遥控器通过简单操作在本机显示屏上显示所需项，进行播放。



在遥控器上按 NET 之后，按光标▲/▼数次即可选择项目，然后按 ENTER 确认您的选择。



- 有关 AirPlay 的信息，请参阅下一部分“3 AirPlay®”。有关 My Favorites 和网络功能的详细信息，请参阅“高级手册”。

重要说明

主机显示无法显示中文字符。不支持的字符显示为星号(*)。

网络收音机服务

本机出厂预设网络收音机服务，比如 TuneIn Radio。主机显示屏上显示“TuneIn Radio”时，按 ENTER。使用光标选择无线电台和节目后，按 ENTER 进行播放。

- 若要返回前一屏幕，请按 RETURN。
- 可用的服务可能会根据您的居住地而有所不同。
- 服务提供商中断服务时，可能会无法获取网络服务或内容。

DLNA

您可播放连接到网络的电脑或 NAS 设备上存储的音乐文件。主机显示屏上显示“DLNA”时，按 ENTER。使用光标选择服务器后，选择要播放的歌曲，然后按 ENTER 进行播

放。

- 本机需要连接至与电脑或 NAS 设备相同的路由器。
- 若要返回前一屏幕，请按 RETURN。

Home media

您可播放连接到网络的电脑或 NAS 设备上的共享文件夹内的音乐文件。主机显示屏上显示“Home Media”时，按 ENTER。使用光标选择服务器后，选择要播放的歌曲，然后按 ENTER 进行播放。

- 本机需要连接至与电脑或 NAS 设备相同的路由器。
- 若要返回前一屏幕，请按 RETURN。

USB

您可播放保存在 USB 存储设备上的音乐文件。将 USB 存储设备连接到后面板的 USB 端口，当本机显示屏上出现“USB”时按 ENTER。使用光标选择文件夹和歌曲后，按 ENTER 进行播放。

- 若要返回前一屏幕，请按 RETURN。

3 AirPlay®

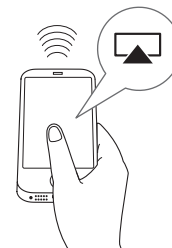
您可以无线欣赏存储在 iPhone®、iPod touch® 或 iPad® 上的音乐文件。您还可以使用 iTunes 在电脑上播放音乐文件。

重要说明：本机需要通过连接到与 iOS 端口或电脑相同的路由器以连接到网络。

从 iPhone、iPod touch 或 iPad 播放音乐文件

将 iOS 设备上的操作系统更新到最新版本，然后连接至本机。

- 按遥控器上的 NET。
- 点击 AirPlay 图标，从显示的设备列表中选择本机，然后单击“Done”。



- 如果使用的是 iOS 7 和更高版本，则在控制中心中显示 AirPlay 图标。要显示控制中心，请从 iOS 设备屏幕底部向上滑动。
- 如果没有显示 AirPlay 图标，请确认本机和 iOS 设备均已正确连接至路由器。

3. 从 iPhone、iPod touch 或 iPad 播放音乐文件。

从电脑播放音乐文件

- AirPlay 与 iTunes 10.2 或更高版本兼容。

- 按遥控器上的 NET。
- 打开电脑并启动 iTunes。
- 点击 iTunes 的 AirPlay 图标，然后从显示的设备列表中选择本机。
- 播放 iTunes 音乐文件。

- 如果“6:Hardware”-“Power Management”-“Network Standby”在设置菜单中设为“On”，那么在启动 AirPlay 时，本机会自动开启并选择输入源“NET”。即使此项设置为“Off”，如果本机已经开启，也可以选择输入源“NET”。
- 由于 AirPlay 无线技术的特点，本机产生的声音可能会稍落后于启用 AirPlay 设备所播放的声音。
- AirPlay 播放时，歌曲名称等信息会显示在本机显示屏上。
- 取决于具体的 iOS 或 iTunes 版本，执行操作的方法可能有所不同。
- 虽然 AirPlay 播放的歌曲名称和其他信息会显示在主机显示屏上，但无法显示中文字符。不支持的字符显示为星号(*)。

音量：本机和启用 AirPlay 设备的音量是互相连接的。在启用 AirPlay 的设备上调节音量时，小心不要让音量太大。否则可能会损坏本机或扬声器。任何时候如果音量过大，请在启用 AirPlay 的设备上立即停止播放。

4 Bluetooth®

您可以无线欣赏储存在智能手机或者其他支持Bluetooth功能的设备里的音乐文件。覆盖区域为 15 米。

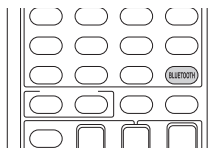
- 支持Bluetooth功能的设备需要支持A2DP协议。
- 请注意，并不能总是保证与所有支持Bluetooth功能设备的连接。

■ 配对

第一次连接支持Bluetooth功能的设备时，进行配对是必要的。在开始程序以前，请了解如何启用Bluetooth设置功能以及如何在支持Bluetooth功能的设备上与其他设备连接。

1. 按遥控器上的BLUETOOTH。

本机将开始配对并显示“Now Pairing...”。



2. 显示屏上显示“Now Pairing...”时，请在大约 2 分钟内完成对附近区域内的支持Bluetooth功能的设备的连接。

如果该设备显示在支持Bluetooth功能的设备的显示屏上，请选择该设备。在短暂的时间后配对将结束。

- 如果要求输入密码，请输入“0000”。
- 通过按住 BLUETOOTH 按钮，直至显示屏上显示“Now Pairing...”，即可与其他支持Bluetooth功能的设备配对。本机可储存多达 8 台配对设备的数据。

■ 播放支持Bluetooth功能的设备

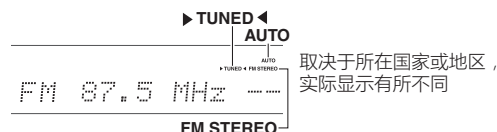
如果本机为开并且支持Bluetooth功能的设备已连接，则输入将会自动被切换为BLUETOOTH。在该状态下播放音乐。

- 在本机为开时，可能需要约一分钟建立连接，因为Bluetooth功能需要时间进行启动。
- 如果支持Bluetooth功能的设备上的音量设置为低，则声音不会从该设备输出。
- 由于Bluetooth无线技术的特点，该设备产生的声音可能会稍落后于支持Bluetooth功能的设备所播放的声音。
- 虽然支持Bluetooth功能的设备名称会显示在主机显示屏上，但无法显示中文字符。不支持的字符显示为星号(*)。

5 AM/FM 无线电

基本手册解释了使用自动调频的方法。关于手动调谐的详情，请参阅高级手册。

1. 按主机上的TUNER几次以选择“AM”或“FM”。
2. 按本机上的TUNING MODE，使显示屏上的“AUTO”指示灯亮起。
3. 按本机上的 ∇ TUNING $\blacktriangle$ 。开始自动调频至无线电台。调频至一个台后搜索停止。调到一个无线电台后，显示屏上的“ $\blacktriangleright$ TUNED $\blacktriangleleft$ ”指示灯亮起。如果无线电台为FM无线电台，则“FM STEREO”指示灯亮起。



取决于所在国家或地区，实际显示有所不同

注册无线电台：您可以注册多达40个您最喜欢的 AM/FM 无线电台。

1. 调到要记录的 AM/FM 无线电台。
 2. 按本机上的 MEMORY，显示屏上的预设数字会闪烁。
 3. 预设数字闪烁期间（大约8秒钟），多次按下主机上的 $\blacktriangleleft$ PRESET $\blacktriangleright$ ，选择 1 到 40 间的一个数字。
 4. 再次按主机上的 MEMORY 注册电台。在注册完成后，预设数字停止闪烁。要选择一个预设无线电台，按主机上的 $\blacktriangleleft$ PRESET $\blacktriangleright$ 或遥控器上的 CH +/-。
- 要删除预设电台，先在本机上使用 $\blacktriangleleft$ PRESET $\blacktriangleright$ 选择要删除的预设编号，然后在按住主机上的 MEMORY 的同时按下 TUNING MODE。预设数字删除后，会从显示屏上消失。

AM/FM 频率步进设置

您可能必须更改频率步进才能调谐所在区域的无线电。通过以下步骤更改步进。请注意，更改此设置后，所有无线电预设值都会被删除。

1. 先按遥控器上的 $\odot$ RECEIVER，然后按 SETUP。
2. 使用光标按钮选择“6.Hardware”，然后按ENTER。
3. 使用光标选择“Tuner”，然后按 ENTER。
4. 使用光标选择“AM Frequency Step”，然后选择您所在区域的频率步进。

6 多区域功能

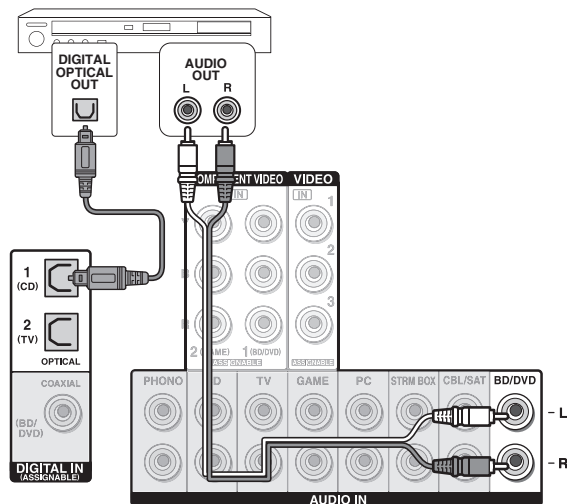
您可以在本机所在的房间（称为“主房间”）之外的另一个房间（称为“Zone 2”）聆听音频。

■ 可播放的源

- 外部播放机
- NET
- Bluetooth
- AM/FM 电台

重要说明

连接外部播放机
要在 Zone 2 中聆听播放机，必须使用 RCA 线缆、数字光缆 (OPTICAL) 或数字同轴电缆 (COAXIAL) 进行连接。某些播放机可能需要进行音频输出设置。



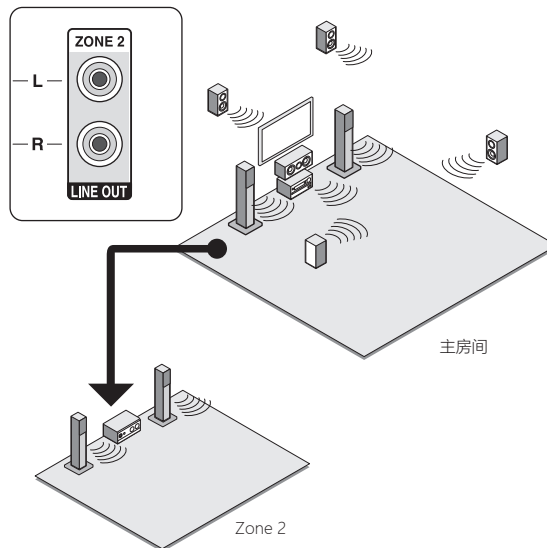
进行多区域连接

有以下两种连接方法：

- 连接单独房间的前置主放大器
- 连接单独房间的扬声器

■ a. 连接单独房间的前置主放大器

在主房间播放 7.1 ch 源的同时，可以在单独房间中播放 2 ch 源。
在单独房间中使用 RCA 线缆连接本机的 LINE OUT ZONE2 接口和前置主放大器的线路输入接口。

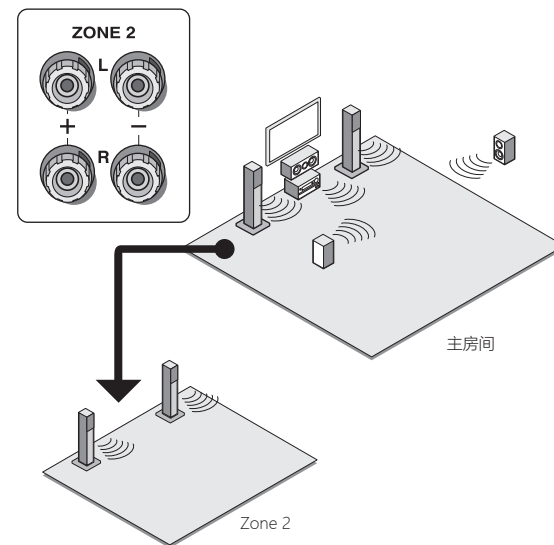


- 音量应由单独房间内使用的前置主放大器进行调整。

■ b. 连接单独房间的扬声器

使用扬声器线缆，将另一房间内的扬声器连接至本机的 SPEAKERS ZONE2 接口。请注意，在 Zone 2 播放期间，5.1 ch 将会是主房间的最大值(*)。不能从后置扬声器和纵向扬声器中输出声音。

* 此时不能选择 Dolby Atmos 聆听模式。



需要进行以下设置：连接扬声器后，按 **RECEIVER**，然后按遥控器上的 **SETUP**，选择 **"2.Speaker"** - **"Configuration"** 并将 **"Powered Zone2"** 设置为 **"Yes"**。

- 调节本机音量。要调节音量，按遥控器上的 **ZONE2**，然后使用 **VOL▲/▼** 进行调节。要在主机上控制，按 **ZONE 2**，并在 8 秒钟内通过 **MASTER VOLUME** 控制进行调节。您可通过按遥控器上的 **MUTING** 进行静音。

进行多区域播放

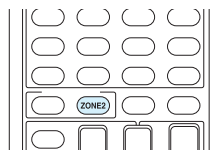
可以同时在主房间和单独房间进行播放，例如，在单独房间播放网络电台的同时，在放置本机的主房间播放蓝光光盘播放器。也可以仅在单独房间进行播放。

- 使用外部播放机，可以在主房间和单独房间播放相同或不同的源。
- 对于“NET”和“BLUETOOTH”，您不能为主房间和单独房间选择不同的输入。例如，如果在主房间选择了“NET”，然后在单独房间中选择了“BLUETOOTH”作为播放源，则主房间的输入将会由此更改为“BLUETOOTH”。
- 在收听AM/FM广播时，您无法在主房间和单独房间选择不同的台。因此，在两个房间中会听到同一个台的广播。

回放

1. 按遥控器上的 ZONE2，将遥控器指向本机并按 **⏻RECEIVER**。

主机显示屏上的“Z2”亮起，多区域功能启用。（Zone 2 现在启用。）



2. 再次按遥控器上的 ZONE2，然后按要在单独房间播放的输入的 INPUT SELECTOR。

- 如果在多区域播放期间您将本机转为待机，Z2指示灯变暗，仅单独房间的播放模式切换为播放。在本机为待机期间执行步骤1和2，也仅将单独房间的播放模式切换为播放。要在主房间和单独房间播放相同的输入源，请按住ZONE2约3秒钟。

要在主机上控制：按 ZONE2 并在 8 秒种内按下要在其他房间播放的源所对应的输入选择器按钮。（要在主房间和单独房间播放相同的输入源，请按ZONE2两次。）

关闭此功能

按遥控器上的 ZONE2，然后按 **⏻RECEIVER**。或者按主菜单上的OFF。

- 如果ZONE 2为开，则待机期间的耗电量大于正常状态。
- 如果主房间的聆听模式为 Pure Audio 时开启 ZONE 2，则它将自动切换至 Direct 聆听模式。
- 在ZONE 2为开期间，RI连接系统功能（Onkyo 组件的互连）将被禁用。

- 用遥控器操作 Zone2 时，按遥控器上的 INPUT SELECTOR 将把受控目标切换为主房间。要再次控制 Zone 2，按 ZONE2 按钮以输入 Zone 控制模式。

7 快捷设置菜单

您可以在播放时在电视屏幕上执行常见设置。

1. 在遥控器上按 **Q**。

所连接的电视屏幕上显示快捷设置菜单。



2. 使用遥控器的光标选择项目，并按 **ENTER** 确认您的选择。

- 若要返回前一屏幕，请按 RETURN。

3. 使用遥控器上的光标按钮选择设置。

■ **Listening Mode**：从“MOVIE/TV”、“MUSIC”和“GAME”的分类中选择聆听模式。选择聆听模式后，按 ENTER 按钮确认。

- 当音频从电视扬声器处播放时，则无法进行设置。

■ **Audio**：您可以执行多种音频设置，其中包括音质和扬声器音量调节。

- 当音频从电视扬声器输出时，您无法选择此项。

Bass, Treble：调整前扬声器的音量。

- 如果聆听模式为Pure Audio 或 Direct时，则无法进行设置。

Phase Matching Bass：抑制中端的相移，以加强低音效果。由此可以获得流畅而有力的低音。

- 如果聆听模式为Pure Audio 或 Direct时，则无法进行设置。

中置扬声器音量, Subwoofer Level：在聆听声音时调整扬声器音量。您所进行的调整将会重置您将本机设置为待机模式时的之前的状态。

- 根据扬声器的设置，可能无法进行更改。
- 在 MUTING 状态下或使用耳机时，无法进行此设置。

A/V Sync：如果视频落后于音频，您可以延迟音频以便抵消差距。对每个输入选择器均可进行不同设置。

- 如果聆听模式为Pure Audio 或 Direct时，则无法进行设置。

AccuEQ Room Calibration：启用或禁用自动扬声器设置所做的设置。要启用这些功能，通常应选择“On (All Ch)”。要仅禁用前置扬声器，应选择“On (ex.L/R)”。可以单独设置各输入选择器的设置。

- 如果没有进行自动扬声器设置，则不可选择此设置。
- 如果连接了耳机或者聆听模式为Pure Audio或Direct时，则无法进行设置。

均衡器：通过调节“Setup”-“2.Speaker”-“Equalizer Settings”，将均衡器设置分配给“Preset1”至“Preset3”。设置为“Off”时，将相同的声场设置应用于所有区域。

- 如果聆听模式为Pure Audio 或 Direct时，则无法进行设置。

Music Optimizer：改善压缩格式音频的音质。受损压缩格式文件的播放声音，如MP3，将被改善。可以单独设置各输入选择器的设置。

- 信号为48kHz或更小时设置有效。在比特流信号中该设置无效。
- 如果聆听模式为Pure Audio 或 Direct时，则无法进行设置。

Late Night：让细微声音也能轻松听到。在您于深夜观看电影并需要降低音量时很有用处。您只能通过 Dolby

Digital、Dolby Digital Plus、Dolby TrueHD 和 DTS 源享受音效。

- 将本机切换到待机模式将设置设置为“Off”。对于 Dolby TrueHD，深夜功能将被设置为“Auto”。
- 设置在以下情况中无法使用。
 - 如果播放 Dolby Digital Plus 或 Dolby TrueHD 时，“Loudness Management”设为“Off”。
 - 当输入信号是 DTS 且“Dialog Control”不是 0dB 时。

Cinema Filter：调整已经过处理以增强其高音的配乐，以便使其更适合于家庭影院。

- 此功能还可以用于以下聆听模式：Dolby Digital、Dolby Digital Plus、Dolby TrueHD、Multichannel、DTS、DTS-ES、DTS 96/24、DTS-HD High Resolution Audio、DTS-HD Master Audio、DTS Express 和 DSD。

Center Spread：在以 Dolby Surround 聆听模式播放时，调整前声道声场的宽度。要将声场宽度扩散至左侧和右侧，请设置为“On”。要将声音集中在中间，请设置为“Off”。

- 根据扬声器的设置，此设置可能为“Off”。

Dialog Control：您可以以 1 dB 的增幅将音频的对话部分增加到最高 6 dB，以使对话更容易在背景噪音中听清。

- 此设置无法用于除 DTS:X 以外的内容。
- 此设置可能无法用于选择部分内容。

■ **HDMI**：选择输出所要使用的 HDMI OUT 接口。

■ **Information**：

Audio：显示音频输入源、格式、声道数量、采样频率、聆听模式以及输出通道数量。

Video：显示视频输入源、分辨率、色域、色深、3D 信息、宽高比和输出等信息。

Tuner：显示波段、频率和预设编号等信息。仅在将“TUNER”选定为输入源时显示。

8 其他有用功能

调节音质

也可以增强或中和前置扬声器的低音和高音。按主机上的 TONE 数次，从“Bass”、“Treble”和“Phase Matching Bass”中选择想要的设置，并使用 +/- 进行调整。

- 如果聆听模式为 Pure Audio 或 Direct 时，则无法进行设置。

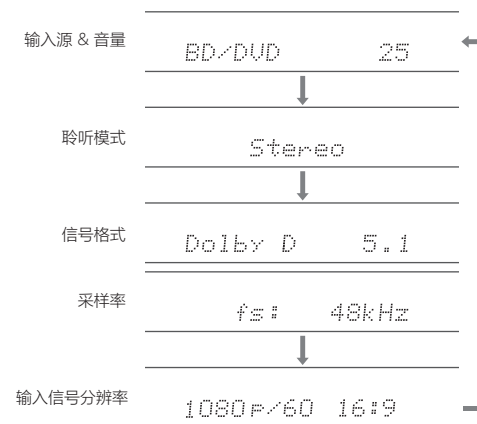
“Bass”：可以让您增强或中和低音。

“Treble”：可以让您增强或中和高音。

“Phase Matching Bass”：可以让您保持中音清晰，并有效增强低音。

检查输入格式

按多次遥控器上的 DISPLAY，以便按下列顺序切换主机的显示：



- 如果在信号格式中显示“Dolby D 5.1”，则正在输入 Dolby Digital 5.1 声道信号。收听 AM/FM 电台时，显示波段、频率和预设编号。

播放来自不同来源的音频和视频

可以播放来自不同源的音频和视频。例如，您可以播放来自 CD 播放机的音频和来自 BD/DVD 播放机的视频。在这种情况下，先按 BD/DVD，然后按 CD。然后，在 BD/DVD 播放机和 CD 播放机上开始播放。在选定仅带有音频的输入（初始设置中的 CD、NET、BLUETOOTH、TUNER 或 PHONO）时，此功能才有效。（*）

* 在选择 NET 或 BLUETOOTH 时，按遥控器上的 NET 或 BLUETOOTH，然后再按遥控器上的 MODE。

故障排除

启动程序前：

简单地打开/关闭电源或断开/连接电源线可能会解决问题，这与检查连接、设置和操作流程相比更为简单。请在本机和所连接的设备上尝试简单的措施。如果问题为视频或音频没有输出，或者HDMI链接操作无法工作，断开连接/连接HDMI线缆可能会解决该问题。当进行重新连接时，请小心操作不要缠绕HDMI线缆，因为如果线缆卷曲，其可能不再适用。重新连接后，请先关闭再打开本机以及所连接的设备电源。

AV 接收机意外关闭。

- 已设定 Auto Standby 或 Sleep Timer 并启动时，AV 接收机会自动进入待机模式。
- 保护电路可能已被激活。如果是这种情况，在启动本机时，“AMP Diag Mode”会显示在主机的显示屏上。然后，本机将进入检测异常状况的模式。如果未检测到问题，“AMP Diag Mode”将消失，本机将返回正常状态。如果显示屏上显示“CHECK SP WIRE”，则扬声器线缆可能短路。关闭本机，然后检查任何扬声器线缆的线芯是否与任何扬声器线缆的线芯或后面板接触。然后，再次启动本机。如果出现“NG”，请立即拔下电源线并与您的经销商联系。

没有声音，或声音很轻。

- 选定了错误的输入选择器按钮。选择播放机的正确输入。而且核实未开启静音。
- 某些聆听模式下只使用部分扬声器。

没有图像。

- 选定了错误的输入选择器按钮。
- 如果聆听模式为 Pure Audio，则无法显示模拟输入视频。
- 本机处于待机状态时，若要在电视屏幕上显示所连接播放机的视频，需要启用 HDMI Standby Through 功能。
- 若电视影像模糊或不清晰，则可能是本机电源线或连接线缆受到干扰。在这种情况下，请在电视天线和本机线缆之间保持适当距离。
- 如果您连接了支持 HDCP2.2 的播放器，请务必将其连接至本机的 HDMI IN1 至 IN3 接口中的一个。

视频和音频不同步。

- 视频相对于音频可能有所延迟，这取决于设置以及电视的连接。可在“步骤 3：回放”、“7 快捷设置菜单”、“A/V Sync”中调节。

无法播放数字环绕声。

- 若要欣赏包括 Dolby Digital 和 DTS 的数字环绕声音，应将音频

输出设置为所连接的蓝光光盘播放器或其它设备上的“Bitstream output”。

无法按照源格式输出音频（如 Dolby Atmos）。

- 如果您无法按照源格式（Dolby TrueHD、Dolby Atmos、DTS-HD Master Audio 等）输出音频，请尝试在蓝光光盘播放器设置中将“BD video supplementary sound”（或第二声音）设置为“Off”。更改设置后，请更改每个输入源的聆听模式进行确认。

HDMI控制功能不正常。

- 将本机的CEC链接功能设置为开。还有必要在电视上设置HDMI链接的系统。请参阅电视的使用手册，了解详情。

无法访问网络。

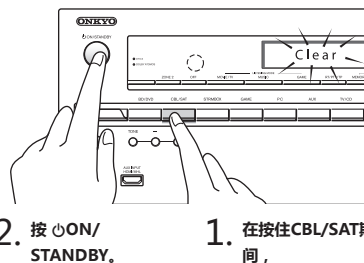
- 尝试插拔本机或无线LAN路由器，或检查它们的上电状态。这在很多情况下都起作用。
- 如果所需无线LAN路由器不在接入点列表中，则可能已将其设置为隐藏SSID或ANY连接可能已断开。更改设置，然后重试。

■ 重置本机

将本机重置为出厂时的状态可能能够解决问题。如果以上措施不能解决问题，请按照以下程序重置本机。如果您重置本机状态，会将您的偏好重置为默认值。请将它们记录下来之后再开始重置。

● 如何重置：

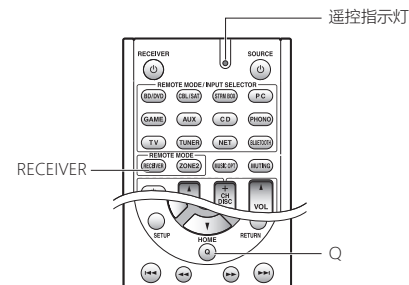
1. 在按住主机上的CBL/SAT的期间（请注意，步骤2必须在此按钮被按住期间进行）
2. 按主机上的ON/STANDBY（“Clear”出现在显示屏上，本机返回至待机模式）。
 - 在“Clear”从显示屏上消失之前，请不要拔出电源线。



● 如何重置遥控器：

1. 在按住遥控器上的 RECEIVER 的同时，按住 Q 直到遥控指示灯持续亮起（约 3 秒钟）。

2. 在 30 秒钟内，再次按 RECEIVER。



规格

放大器部分

额定输出功率	7 ch × 160 W (6 Ω, 1 kHz), 1 声道驱动 ,1% (IEC)
最大有效输出功率	7 ch × 175 W (6 Ω, 1 kHz), 1 声道驱动 (JEITA)
动态功率 (＊)	＊ IEC60268短期最大输出功率
	240 W (3 Ω, 正面)
	210 W (4 Ω, 正面)
	120 W (8 Ω, 正面)
THD+N (总谐波失真率+噪声)	0.08% (20Hz-20kHz 半功率)
输入灵敏度和阻抗	200 mV/47 kΩ (LINE, 1 kHz 100 W/8 Ω)
	3.5 mV/47 kΩ (PHONO MM)
额定RCA输出电平 and 阻抗	100 mV/2.3 kΩ (ZONE2 LINE OUT)
	1 V/470 Ω (SUBWOOFER PRE OUT)
唱机超载	70 mV (MM 1kHz 0.5% Direct)
频率响应	10 Hz - 100 kHz/+1 dB, −3 dB(Direct 模式)
音调控制特性	±10 dB, 20 Hz(BASS)
	±10 dB, 20 kHz(TREBLE)
信噪比	100 dB (LINE, IHF-A)
	80 dB (PHONO MM, IHF-A)
扬声器阻抗	4 Ω - 16 Ω/6 Ω - 16 Ω

视频部分

信号电平	1.0 Vp-p/75 Ω(分量Y)
	0.7 Vp-p/75 Ω(分量 Pb/Cb, Pr/Cr)
	1.0 Vp-p/75 Ω(复合)
色差分量视频支持的最大分辨率	480i/576i

调谐器部分

FM调频范围	87.5 MHz - 108.0 MHz, RDS
AM调频范围	522/530 kHz-1611/1710 kHz
预设频道	40

网络部分

以太网LAN	10BASE-T/100BASE-TX
无线LAN	IEEE 802.11 b/g/n标准 (Wi-Fi® 标准)
	2.4 GHz波段： 1 - 13 ch (Wi-Fi® 标准)

Bluetooth部分

通信系统	Bluetooth规格版本2.1+EDR(增强型数据速率)
最大通信范围	视线约为 15 米 (＊)
频率波段	2.4 GHz 波段
调制方法	FHSS(跳频扩频)
兼容的Bluetooth配置文件	A2DP 1.2(高质量音频分发规范)
	AVRCP 1.3(音频视频远程控制规范)
支持的编解码器	SBC
传输范围 (A2DP)	20 Hz-20,000 Hz(采样频率44.1 kHz)
＊	实际范围取取决于设备之间的障碍、微波炉周围的磁、静电、无绳电话、接收灵敏度、天线的性能、操作系统、软件应用程序等因素。

一般

电源	AC 220 - 240 V, 50/60 Hz
功耗	630 W
	0.15 W(待机)
	2.6 W(网络待机)
	70 W(无声音)
尺寸	宽 × 高 × 长)
	435 毫米 × 173.5 毫米 × 329 毫米
重量	9.8 kg

● HDMI

输入	IN1(BD/DVD, HDCP2.2) \ IN2(CBL/SAT, HDCP2.2) \ IN3(STRM BOX, HDCP2.2) \ IN4(PC) \ IN5(GAME) \ IN6, IN7, AUX INPUT HDMI (前置)
输出	OUT MAIN(ARC) , OUT SUB
视频分辨率	4K 60 Hz(RGB/YCbCr4:4:4/YCbCr4:2:2, 24 位)
音频格式	Dolby Atmos、Dolby TrueHD、Dolby Digital Plus、Dolby Digital、DTS:X、DTS-HD Master Audio、DTS-HD High Resolution Audio、DTS 96/24、DTS-ES、DTS、DTS Express、DSD、Multichannel PCM (多达 8 声道)
支持	3D、音频回传通道、Deep Color、x.v.Color™、LipSync、CEC、4K、Extended Colorimetry(sYCC601, Adobe RGB, Adobe YCC601), 内容类型、3D Dual View、21:9 高宽比视频格式

● 视频输入

色差分量	IN1 (BD/DVD)、IN2 (GAME)
复合	IN1 (CBL/SAT)、IN2 (STRM BOX)、IN3 (PC)

● 音频输入

数字	OPTICAL 1 (CD), 2 (TV)
	COAXIAL (BD/DVD)
模拟	BD/DVD、CBL/SAT、STRM BOX、PC、GAME、TV、CD、PHONO

● 音频输出

模拟	ZONE2 LINE OUT
	2 SUBWOOFER PRE OUT
扬声器输出	FRONT L/R, CENTER, SURROUND L/R, BACK or HEIGHT L/R, ZONE2 L/R
耳机	PHONES (前置, ø 6.3)

● 其他

设置麦克风	1 (正面)
RI 遥控	1
USB	1(1.1, 5 V/1 A)
以太网	1

支持多语言屏幕显示	英语、德语、法语、西班牙语、意大利语、荷兰语、瑞典语、俄语和中文 (＊)
＊	当输入选择器为“NET”或“BLUETOOTH”时，不显示屏菜单。在操作设备时使用主机上的显示屏。

规格及功能更改将不另行通知。

图像分辨率表

请参阅下表，了解关于本机响应输入信号的图像格式和分辨率输出的信息。

输出		HDMI						
		4K	1080p/24	1080p	1080i	720p	480p/576p	480i/576i
HDMI	4K	✓						
	1080p/24		✓					
	1080p			✓				
	1080i				✓			
	720p					✓		
	480p/576p						✓	
	480i/576i							✓
色差分量	1080p							
	1080i							
	720p							
	480p/576p							
复合	480i/576i							✓

HDMI 支持的分辨率

输入支持	内容保护技术	显示器分辨率	帧速率	色域	色深	备注
HDMI 输入 IN1 至 IN3	HDCP1.4 HDCP2.2	720×480i	60 Hz	RGB/YCbCr4:4:4/ YCbCr4:2:2	8/10/12/16 位	*
		720×576i	50 Hz			
		720×480p	60 Hz			
		720×576p	50 Hz			
		1920×1080p	50/60 Hz			
		1280×720p	24/25/30/50/60 Hz			
		1680×720p	24/25/30/50/60 Hz			
		1920×1080p	24/25/30/50/60 Hz			
		2560×1080p	24/25/30 Hz			
		4K (3840×2160p)	24/25/30 Hz	RGB/YCbCr4:4:4/ YCbCr4:2:2	8/10/12/16 位	*
			50/60 Hz	RGB/YCbCr4:4:4 YCbCr4:2:2	8 位	
		4K SMPTE (4096×2160p)	24/25/30 Hz	YCbCr4:2:0	8/10/12/16 位	*
				RGB/YCbCr4:4:4/ YCbCr4:2:2	8 位	
				RGB/YCbCr4:4:4	8 位	
				YCbCr4:2:2	12 位	
			50/60 Hz	YCbCr4:2:0	8/10/12/16 位	
HDMI 输入 IN4 至 IN7 Front	HDCP1.4	720×480i	60 Hz	RGB/YCbCr4:4:4/ YCbCr4:2:2	8/10/12/16 位	*
		720×576i	50 Hz			
		720×480p	60 Hz			
		720×576p	50 Hz			
		1920×1080i	50/60 Hz			
		1280×720p	24/25/30/50/60 Hz			
		1680×720p	24/25/30/50/60 Hz			
		1920×1080p	24/25/30/50/60 Hz			
		2560×1080p	24/25/30 Hz			
			50/60 Hz	RGB/YCbCr4:4:4/ YCbCr4:2:2	8/10/12位	*
		4K (3840×2160p)	24/25/30 Hz	RGB/YCbCr4:4:4 YCbCr4:2:2	8 位	
			50/60 Hz	YCbCr4:2:0	8 位	
		4K SMPTE (4096×2160p)	24/25/30 Hz	RGB/YCbCr4:4:4	8 位	
				YCbCr4:2:2	12 位	
				YCbCr4:2:0	8 位	

* 使用 YCbCr4:2:2 时 仅支持 12 位色深。

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1.

■ 等效全向辐射功率 (EIRP) :

天线增益 < 10 dBi 时： ≤ 100 mW 或 ≤ 20 dBm

■ 最大功率谱密度：

天线增益 < 10 dBi 时 : ≤ 20 dBm / MHz (EIRP)

■ 載頻容限 : 20 ppm

■带外发射功率（在 2.4 - 2.4835 GHz 频段以外）：

 $\leq -80 \text{ dBm} / \text{Hz}$ (EIRP)

■ 杂散发射（辐射）功率（对应载波 ± 2.5 倍信道带宽以外）：

- ≤ -36 dBm / 100 kHz (30 - 1000 MHz)
- ≤ -33 dBm / 100 kHz (2.4 - 2.4835 GHz)
- ≤ -40 dBm / 1 MHz (3.4 - 3.53 GHz)
- ≤ -40 dBm / 1 MHz (5.725 - 5.85 GHz)
- ≤ -30 dBm / 1 MHz (其它 1 - 12.75 GHz)

2. 不得擅自更改发射频率、加大发射功率（包括额外加装射频功率放大器），不得擅自外接天线或改用其它发射天线；

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	铅	汞	镉	六价铬	多溴联苯	多溴二苯醚
电子产品（×表示部分电子产品的安装电路板和附属品内的保险丝、显示屏、陶瓷元件、半导体、端子的铅含量超出1000ppm。）						
外部装饰方面	○	○	○	○	○	○
安装电路板	×	○	○	○	○	○
附属品	×	○	○	○	○	○
包装品	○	○	○	○	○	○

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Package List		
Linux	uClibc	busybox
libgcc	libc++	libc++
comp-wireless	wpa_supplicant	dmccsq
libiconv	bluez	dbus
iperf	faad	

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Version 2.1, February 1999

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zlib.h -- interface of the "zlib" general purpose compression library version 1.1.4, March 11th, 2002

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The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <ftp://ds.internic.net/rfc/rfc1950.txt> (zlib format), [rfc1951.txt](ftp://ds.internic.net/rfc/rfc1951.txt) (deflate format) and [rfc1952.txt](ftp://ds.internic.net/rfc/rfc1952.txt) (gzip format).

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(22) curl

<http://curl.haxx.se>

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附件



室内FM天线--- (1)
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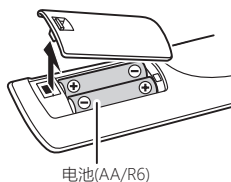


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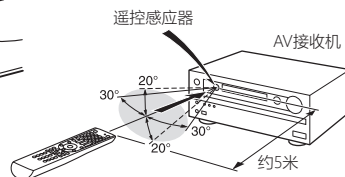
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