

marantz®

SR8015 - Sound Mode Table

Integrated Amplifier

Sound mode table

Sound modes and channel output

- This indicates the audio output channels or surround parameters that can be set.
- ⊙ This indicates the audio output channels. The output channels depend on the settings of “Speaker Config.”.

Sound mode	Channel output																	
	Front L/R	Center	Surround L/R	Surround Back L/R	Front Wide L/R	Front Height L/R	Top Front L/R	Top Middle L/R	Top Rear L/R	Rear Height L/R	Surround Height L/R	Center Height	Top Surround	Front Dolby Atmos Enabled L/R	Surround Dolby Atmos Enabled L/R	Back Dolby Atmos Enabled L/R	Subwoofer	
Direct/Pure Direct (2-channel)	○																⊙※ 5	
Direct/Pure Direct (Multi-channel)	○	⊙	⊙	⊙※ 6	⊙※ 6	⊙※ 6	⊙※ 6	⊙※ 6	⊙※ 6	⊙※ 6	⊙※ 6	⊙※ 6	⊙※ 6	⊙※ 6	⊙※ 6	⊙※ 6	⊙※ 6	⊙
DSD Direct (2-channel)	○																⊙※ 5	
DSD Direct (Multi-channel)	○	⊙	⊙														⊙	
Stereo	○																⊙	
Dolby Atmos	○	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙				⊙	⊙	⊙	⊙	
Dolby TrueHD	○	⊙	⊙	⊙※ 6													⊙	
Dolby Digital Plus	○	⊙	⊙	⊙※ 6													⊙	
Dolby Digital	○	⊙	⊙														⊙	
Dolby Surround ※ 1	○	⊙	⊙	⊙※ 7	⊙※ 8	⊙	⊙	⊙	⊙	⊙				⊙	⊙	⊙	⊙	
IMAX DTS:X ※ 2	○	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙		⊙	⊙	⊙	⊙	
IMAX DTS	○	⊙	⊙※ 9	⊙※ 9													⊙	
DTS:X ※ 2	○	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙		⊙	⊙	⊙	⊙	
DTS-HD	○	⊙	⊙	⊙※ 6	⊙※ 6												⊙	
DTS Express	○	⊙	⊙	⊙													⊙	
DTS 96/24	○	⊙	⊙	⊙													⊙	
DTS Surround	○	⊙	⊙	⊙													⊙	
DTS Neural:X ※ 3	○	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙		⊙	⊙	⊙	⊙	
DTS Virtual:X ※ 4	○	⊙	⊙	⊙													⊙	
Auro-3D	○	⊙	⊙	⊙		⊙				⊙※ 10	⊙	⊙	⊙	⊙※ 11	⊙※ 11	⊙※ 11	⊙	
Auro-2D Surround	○	⊙	⊙	⊙													⊙	
Multi Ch In	○	⊙	⊙	⊙※ 6													⊙	
MPEG-2 AAC (JAPAN Model Only)	○	⊙	⊙														⊙	
MPEG-4 AAC (JAPAN Model Only)	○	⊙	⊙														⊙	
Multi Ch Stereo	○	⊙	⊙	⊙	⊙※ 12	⊙※ 12	⊙※ 12	⊙※ 12	⊙※ 12	⊙※ 12	⊙※ 12	⊙※ 12	⊙※ 12	⊙※ 12	⊙※ 12	⊙※ 12	⊙	
Virtual	○																⊙	

- ※ 1 The applicable sound mode includes “Dolby Surround” and sound modes that have “+Dolby Surround” in the sound mode name.
- ※ 2 Audio can be played through a maximum of 11-channels when 11 speakers or more (excluding the subwoofer) are installed.
- ※ 3 The applicable sound mode includes “DTS Neural:X” and sound modes that have “+Neural:X” in the sound mode name.
- ※ 4 The applicable sound mode includes “DTS Virtual:X” and sound modes that have “+Virtual:X” in the sound mode name.
- ※ 5 Audio is output when “Subwoofer Mode” in the menu is set to “LFE+Main”.
- ※ 6 A signal for each channel contained in an input signal is output as audio.
- ※ 7 Audio is not output when the “Speaker Virtualizer” in the menu is set to “On” and “Speaker Config.” - “Surr. Back” in the menu is set to “1 spkr”.
- ※ 8 Audio is not output when the “Speaker Virtualizer” is set to “On”.
- ※ 9 When “Speaker Config.” - “Surr. Back” is set to “2 spkrs”, “Speaker Config.” - “Center” is set to “Large” or “Small”, and sound mode is set to “IMAX DTS”, surround audio is output from the surround back speaker. Audio is not output from the surround speaker.
- ※ 10 For the best Auro-3D experience Surround Height speakers are recommended, however you may substitute Rear Height speakers from a Dolby Atmos speaker setup in place of Surround Height speakers.
- ※ 11 For the best Auro-3D experience Front Height and Surround Height speakers are recommended, however you may substitute Dolby Atmos Enabled speakers.
- ※ 12 Audio is output from the speakers specified in the “Surround Parameter” – “Speaker Select” settings.

Types of input signals, and corresponding sound modes

● This indicates the default sound mode. ○ This indicates the selectable sound mode.

Sound mode	NOTE	2-channel signal										Multi-channel signal																
		Dolby TrueHD	Dolby Digital Plus	Dolby Digital (EX)	DTS-HD	DTS Express	DTS	Analog / PCM	MPEG-2 AAC/ MPEG-4 AAC (JP Only)	DSD (Super Audio CD)	Dolby Atmos	Dolby TrueHD	Dolby Digital Plus	Dolby Digital (EX)	IMAX DTS:X	IMAX DTS	DTS:X	DTS-HD	DTS Express	DTS ES Dscrt6.1	DTS ES Mtrx6.1	DTS	Auro-3D	PCM multi-channel	MPEG-2 AAC/ MPEG-4 AAC (JP Only)	DSD (Super Audio CD)		
Direct																												
Direct		○	○	○	○	○	○	○※ 2	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
DSD Direct																												○
Pure Direct																												
Pure Direct		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
DSD Pure Direct																												○
Stereo		○	○	○	○	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Dolby Surround																												
Dolby Atmos	※ 1																											
Dolby TrueHD		○																									○※ 4	
Dolby Digital Plus			○																									
Dolby Digital				○																								
Dolby (D+) (HD) + Dolby Surround																											○※ 4	
Dolby (D+) (HD) + Neural:X																											○※ 4	
Dolby Surround		●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
DTS Surround																												
IMAX DTS:X																												
IMAX DTS																												
DTS:X MSTR / DTS:X																												
DTS-HD MSTR																												
DTS-HD HI RES																												
DTS Express																												
DTS ES Dscrt 6.1	※ 6																											
DTS ES Mtrx 6.1	※ 6																											
DTS 96/24																												
DTS Surround																												
IMAX DTS + Neural:X																												
IMAX DTS / IMAX DTS:X + Virtual:X																												
DTS (-HD) + Dolby Surround																												
DTS (-HD) + Neural:X																												
DTS (-HD) / DTS:X + Virtual:X																												
DTS Neural:X		○	○	○	●※ 7	●※ 7	●※ 7	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
DTS Virtual:X																												
Auro-3D																												
Auro-3D	※ 17	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Auro-2D Surround	※ 17	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Multi Ch In																												
Multi Ch In																												
Multi Ch In 7.1	※ 6																											
Multi In + Dolby Surround																												
Multi In + Neural:X																												
Multi In + Virtual:X																												
MPEG-2 AAC/MPEG-4 AAC (JP Only)																												
MPEG-2 AAC																												
MPEG-4 AAC																												
AAC + Dolby Surround																												
AAC + Neural:X																												
AAC + Virtual:X																												
Original sound mode																												
Multi Ch Stereo		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Virtual		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

Before Servicing
This Unit

Electrical

Mechanical

Repair Information

Updating

- ※ 1 This item can be selected when using any of the Surround Back, Front Height, Top Front, Top Middle, Top Rear, Rear Height, Front Dolby, Surround Dolby or Back Dolby speaker. It can also be selected when the "Speaker Virtualizer" setting is turned "On".
- ※ 2 The default sound mode for the AirPlay playback is "Direct".
- ※ 3 This can be selected when the Dolby Atmos signal contains the Dolby TrueHD signal.
- ※ 4 This item can be selected if the Auro-3D signal contains Dolby TrueHD.
- ※ 5 This can be selected when the Dolby Atmos signal contains the Dolby Digital Plus signal.
- ※ 6 This item can be selected when surround back speakers are used.
- ※ 7 This item cannot be selected when a DTS(-HD) format with a sampling frequency of over 48 kHz is input.
- ※ 8 This item cannot be selected when a DTS:X format with a sampling frequency of over 48 kHz is input.
- ※ 10 Selectable when "Surround Parameter" - "IMAX" is set to "Auto" in the menu.
- ※ 11 Selectable when "Surround Parameter" - "IMAX" is set to "On" in the menu and a 48 kHz sampling frequency DTS 5.1 channel signal is being input.
- ※ 12 Selectable when "Surround Parameter" - "IMAX" is set to "Off". (Selectable sound modes vary depending on the type of input signal).
- ※ 13 This item can be selected when the input signal is DTS-HD Master Audio.
- ※ 14 This item can be selected if the Auro-3D signal contains DTS-HD Master Audio.
- ※ 15 This item can be selected when the input signal is DTS-HD Hi Resolution.
- ※ 16 This item can be selected when the input signal is DTS 96/24.
- ※ 17 This item cannot be selected if the sampling frequency of the input signal is 32 kHz.
- ※ 18 This item can be selected if the Auro-3D signal contains Multi Channel PCM.
- ※ 19 This item can be selected when the input signals contain surround back signals.
- ※ 20 This can be selected when the Dolby Atmos signal contains the Dolby TrueHD or Dolby Digital Plus signal.
- ※ 21 This item can be selected when input signal is MPEG-2 AAC
- ※ 22 This item can be selected when input signal is MPEG-4 AAC