



# Immersive Audio Experience

- Outputs audio through the power amplifier to speakers that support up to 32ch
- Speaker adjustment function (EQ, Delay)
- Supports various interfaces such as MADl, DANTE, and HDMI
- Audio Decoder:  
MPEG-4 AAC,  
MPEG-H Audio (BL Level 4)



PA-1853/RB-1853

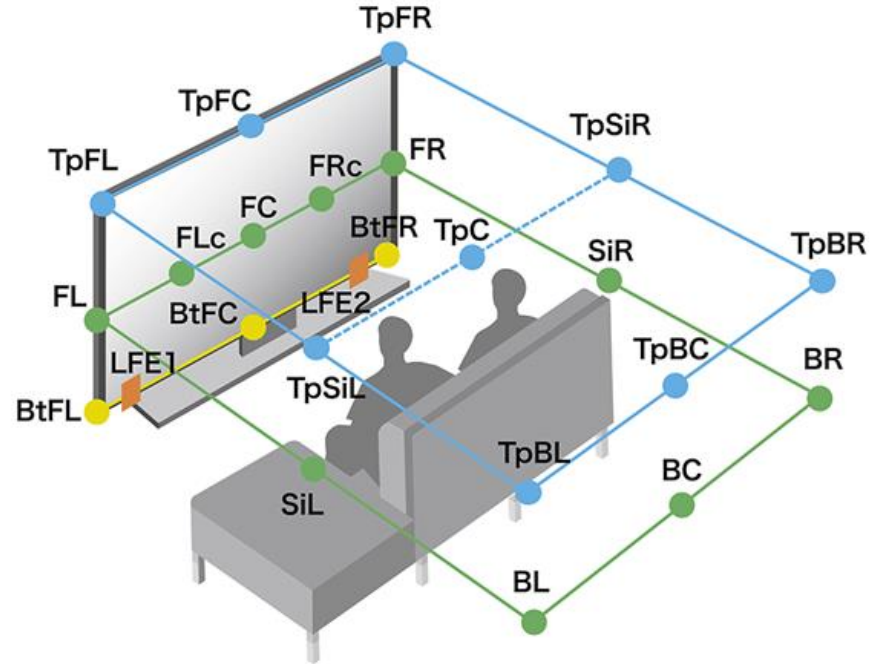


22.2ch Audio Chair

# What is 22.2ch Audio?

Developed by NHK, this is an audio technology that reproduces the sound output in 360° around the listener in order to achieve a high sense of realism, making them feel as if they are enveloped in the sound itself.

A total of 3 layers (22 channels) are arranged around the room: the upper layer (9 channels) located on the ceiling, the middle layer (10 channels) located at the height of the listener, and the lower layer (3 channels) located on the floor. In addition, there are two woofers (0.2ch) for deep bass in the front on the left and right, making a total of 22.2ch surround system.



# 22.2ch Audio Chair Speaker

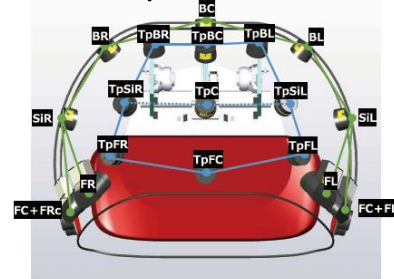
## 【TamaTune SA-1852】

- ✓ **A chair-type speaker constructed in a space-saving shell shape with 24 high-performance speakers surrounding the listener**
- ✓ **Immersive audio with video experience with the addition of an 8K large-screen TV**
- ✓ **Supports not only 22.2ch, but also stereo and Dolby Atmos 5.1.2ch.**

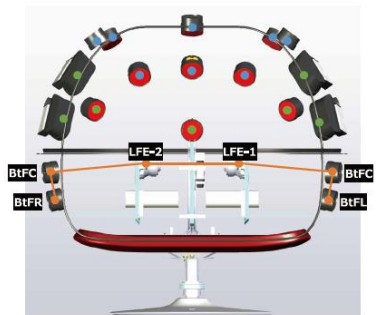


22.2ch Chair Style Speaker  
TamaTune

### 【22.2ch Speaker Allocation】



### Front View



# 32ch Multi-Channel Power Amplifier

## PA-1853



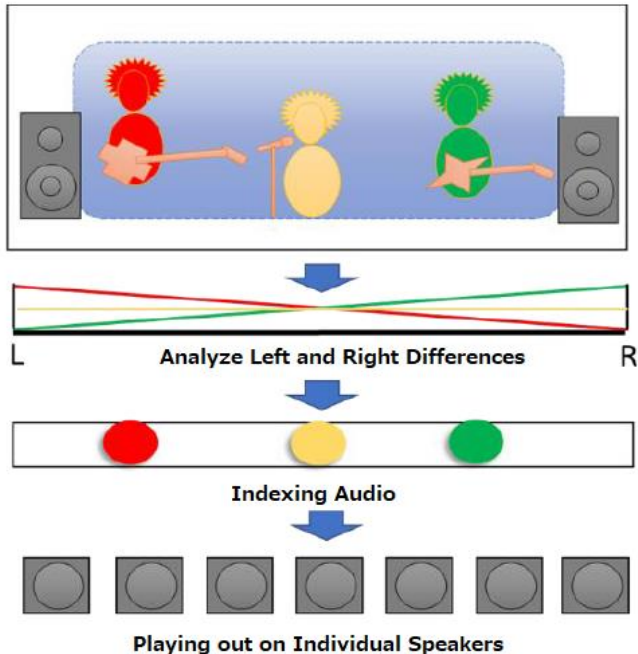
### Features

- ◆ MADI input / output
- ◆ Dante input / output
- ◆ HDMI (HDMI 2.1 × 2 input, HDMI 2.1 × 1 output (eARC / ARC compatible))
- ◆ Speaker adjustment function (EQ, delay)
- ◆ Audio mix function
- ◆ 32ch digital power amplifier output (4Ω 140W, 20Hz-20kHz, THD + N less than 1%)
- ◆ Equipped with MPEG4-AAC decoder (22.2ch, 5.1ch, 2ch)
- ◆ MPEG-H 3D Audio (BL Level 4) decoder will be installed



# Up Mixing with S3R Technology

## ***S3R(Sharp Sound Scenery Reproduction) Technology (Location Analysis Technology)***



### Features of S3R Technology:

- Reproducing “Space Components” and “Direction Components” from a stereo signal.
- Estimates the best position using the ratio of left and right components and plays back on multiple speakers
- Balance and delay of 22.2ch audio adjustable to improve immersion

# 8K Theatre with 22.2ch Immersive Audio

System Configuration to Up Mix 5.1(or 5.1.2)ch to 22.2ch with 8K TV monitor



JBL AV Pre-Amplifier

**SDP-58(required to output Dolby  
ATMOS)**



Dante or MADI  
(HDMI will be supported by the end of  
2023)



32ch Power Amplifier  
**PA-1853/RB-1853**

Stereo, 5.1ch PCM or  
5.1.2ch Dolby ATMOS

**HDMI Audio Return**



**Custom Cables**

UpMix 5.1ch to 22.2ch  
(5.1ch UpMix will be supported soon)



8K TV Monitor



22.2ch Chair Style  
Speaker  
TamaTune

# Installation Example





# Stereo Audio Up Mixing to 22.2ch



Audio Interface  
FX-D03J



MADI



32ch Power Amplifier  
PA-1853/RB-1853

Stereo



USB-C



Tablet



Custom Cables

UpMixing Stereo to 22.2ch



22.2ch Chair Style Speaker  
TamaTune