HAP-Z1ES, HAP-S1
v.16152R Information

List of updated items in GM9

Features	HAP-Z1ES	HAP-S1	Mobile App	
			Android	iOS
CD ripping from USB drives	○	○	-	-
Built-in DSEE HX	-	○	○	○
Support for products aimed at the Chinese and Asian market (support for simplified Chinese)	○	○	○	○
Playlist added for 'Recently played songs'	○	○	○	○
DSD Gracenote compatibility	○	○	○	○
'Get Music Info' feature available for DSD content (even for single albums or folders)	○	○	○	○
ON/OFF settings added for automatic Gracenote access	○	○	-	-

CD ripping from USB CD drives (HAP-Z1ES/S1)

SONY

User advantages

CD songs can be played back using ANAP cables without the need to rip CDs via a PC or to transfer via ANAP.
Customers who are not familiar to PC can import CD for themselves. Just providing a CD drive will do the job.
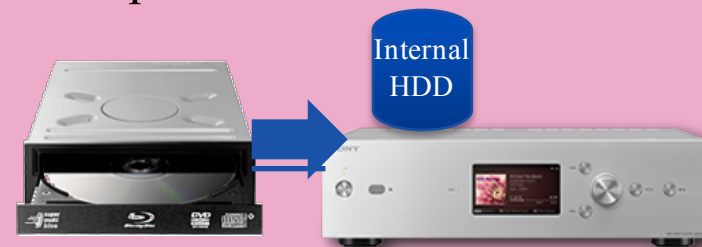
Conventional
CD ripping

CD ripping
in the future

[Before]

[After]
Import CD without PC

CD Ripping Software

HAP Music Transfer App

Internal HDD

Internal HDD

\# Music content in tablets or phones can be copied to HAP-Z1ES.
 (by HDD Audio Remote Android app)

Operations overview
Connect the CD drive to a USB port, enter the disc, and follow the dialog box that is displayed automatically
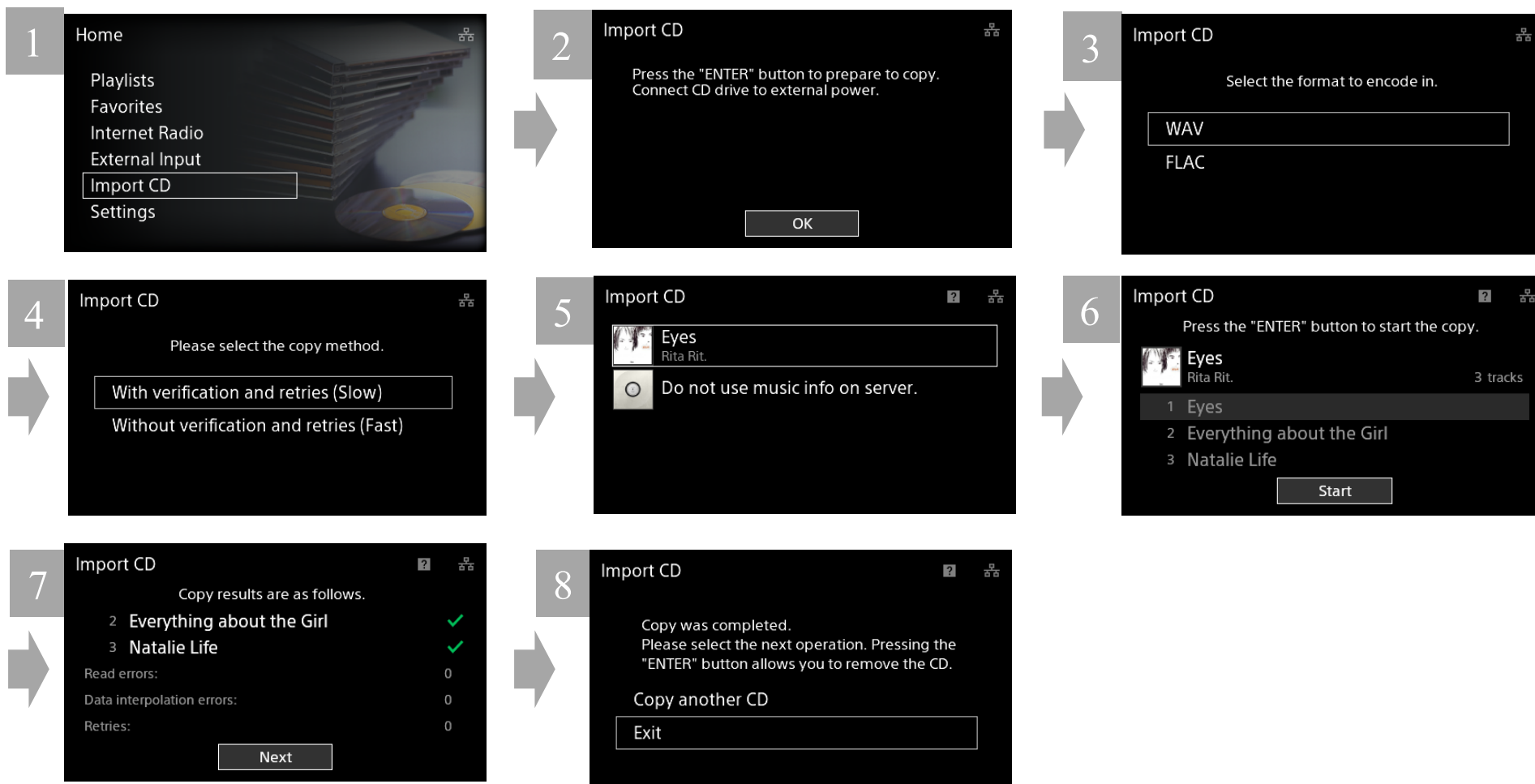

1. Select the encoding (WAV or FLAC)
2. Select the ripping method (High speed: without verification or retries; Low speed: with verification and retries)
3. Select album information (Gracenote information)
4. Confirm album information details
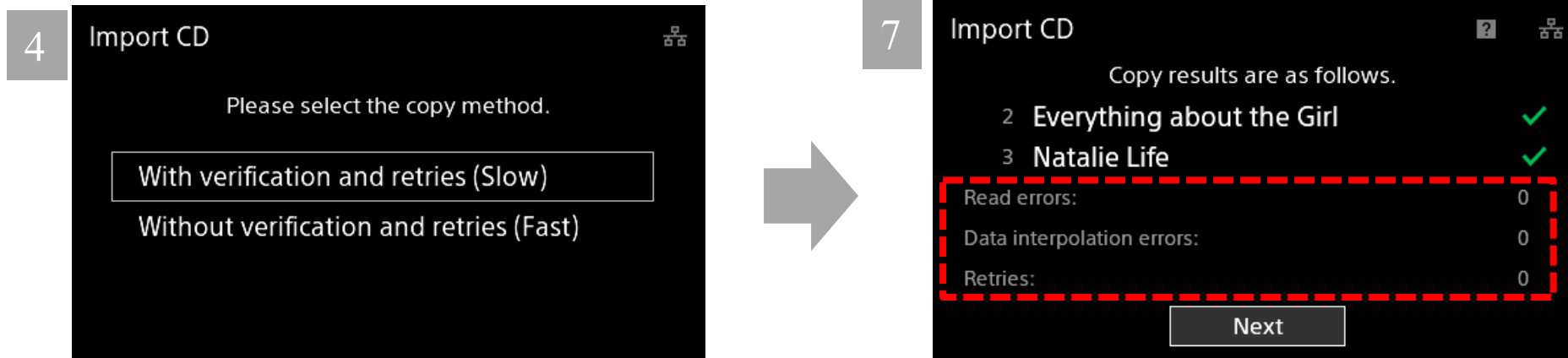5. Perform ripping
6. Confirm results of ripping

*Gracenote Metadata is added automatically.

CD ripping   Operations overview

SONY

1 | Home
Playlists
Favorites
Internet Radio
External Input
Import CD
Settings

2 | Import CD
Press the "ENTER" button to prepare to copy.
Connect CD drive to external power.

OK

3 | Import CD
Select the format to encode in.

WAV

FLAC

4 | Import CD
Please select the copy method.

With verification and retries (Slow)

Without verification and retries (Fast)

5 | Import CD
Eyes
Rita Rit.

○ Do not use music info on server.

6 | Import CD
Press the "ENTER" button to start the copy.
Eyes
Rita Rit.   3 tracks
1 Eyes
2 Everything about the Girl
3 Natalie Life

Start

7 | Import CD
Copy results are as follows.
2 Everything about the Girl   ✔
3 Natalie Life   ✔
Read errors: 0
Data interpolation errors: 0
Retries: 0

Next

8 | Import CD
Copy was completed.
Please select the next operation. Pressing the
"ENTER" button allows you to remove the CD.

Copy another CD

Exit

4 Import CD

Please select the copy method.

With verification and retries (Slow)

Without verification and retries (Fast)

7 Import CD

Copy results are as follows.

2 Everything about the Girl ✓
3 Natalie Life ✓

Read errors: 0
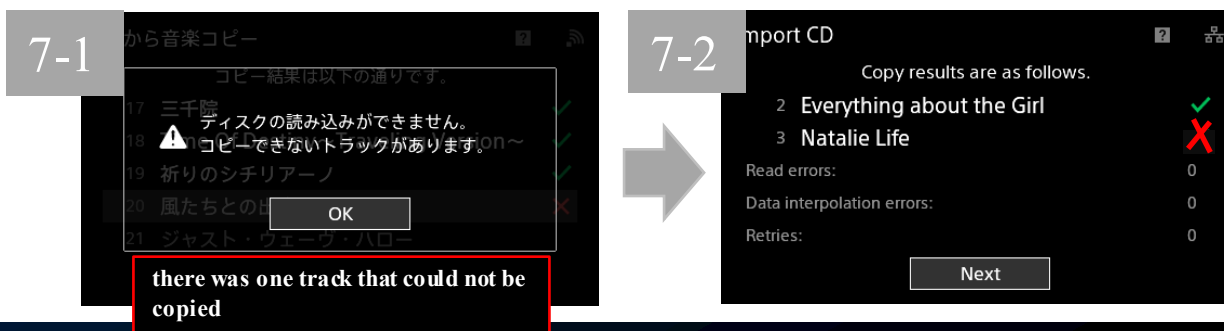Data interpolation errors: 0
Retries: 0

Next

When **Slow (With verification and retries)** is selected, three verification results will be output. (See inside broken red lines)
No verification results are output when **Fast (Without verification and retries)** is selected. (No results are displayed)

* Example
When ripping was performed in High speed (no verification or retries), there was one track that could not be copied (see right-hand figure)
However, the track could be copied when the disc was ripped in Low speed (with verification and retries).

7-1 から音楽コピー
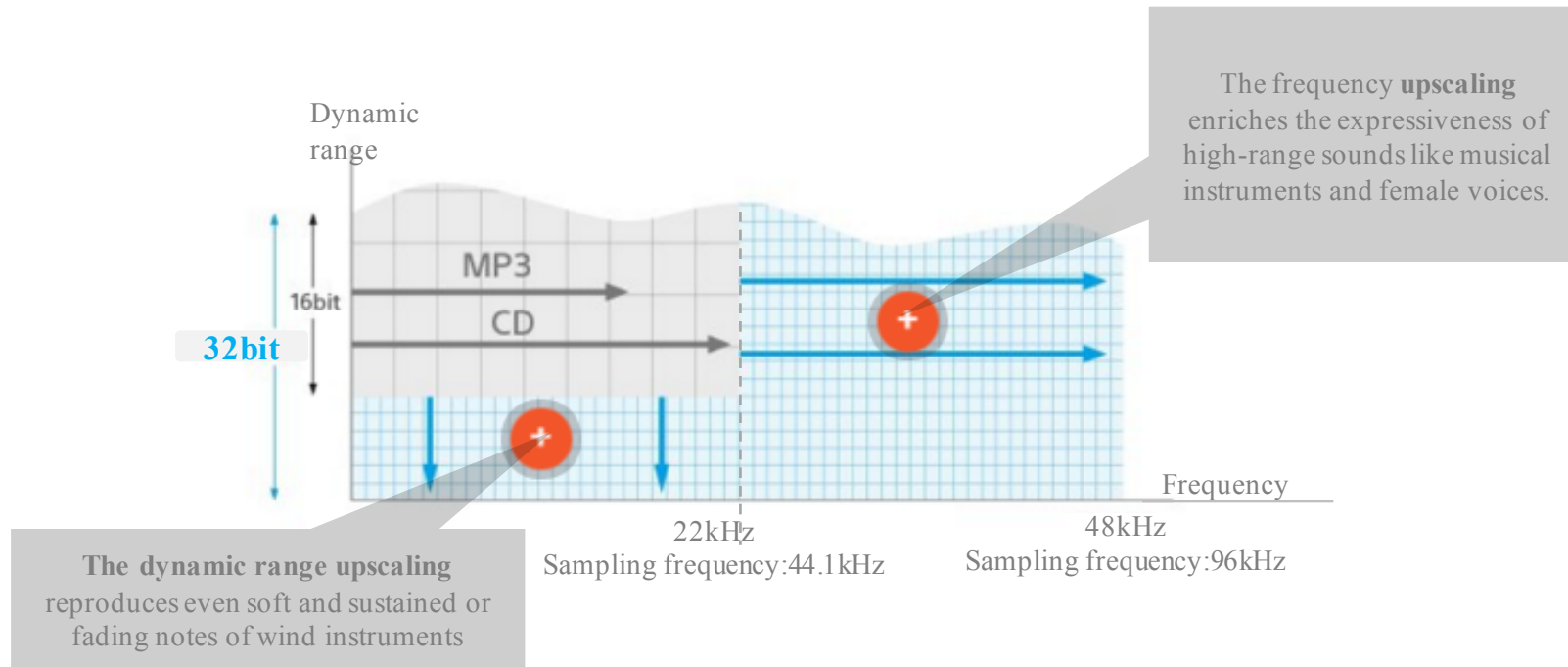
コピー結果は以下の通りです。

17 三千院
18 ⚠ ディスクの読み込みができません。
   コピーできないトラックがあります。
19 祈りのシチリアーノ
20 風たちとの
21 ジャスト・ウェーヴ・ハロー

OK

there was one track that could not be copied

7-2 Import CD

Copy results are as follows.

2 Everything about the Girl ✓
3 Natalie Life ✗

Read errors: 0
Data interpolation errors: 0
Retries: 0

Next

Other New Features

User advantages

CD music can be enjoyed in premium audio quality equivalent to Hi-Res.

DSEE HX up-scales audio to the level of Hi-Res Audio by increasing the sampling frequency and bit depth of CD and compressed sound to greater than the original.
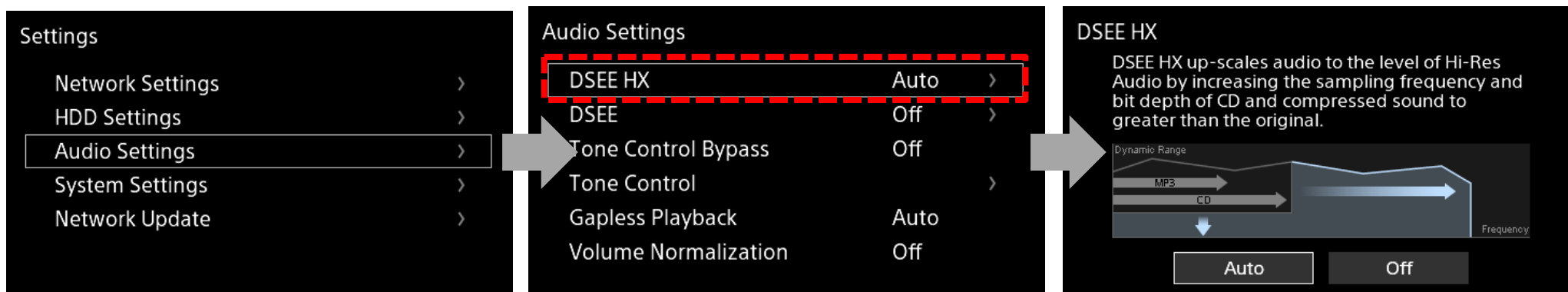
Dynamic range

The frequency **upscaling** enriches the expressiveness of high-range sounds like musical instruments and female voices.

16bit

MP3

CD

32bit

The dynamic range upscaling reproduces even soft and sustained or fading notes of wind instruments

22kHz
Sampling frequency:44.1kHz

48kHz
Sampling frequency:96kHz

Frequency

Add DSEE-HX (HAP-S1 only)

Operations overview

Select 'Auto' as the DSEE HX setting in the menu below.
  - Main unit: Audio settings menu or playback screen menu
  - Mobile: Options menu

Settings	
Network Settings	›
HDD Settings	›
Audio Settings	›
System Settings	›
Network Update	›

Audio Settings	
DSEE HX	Auto ›
DSEE	Off ›
Tone Control Bypass	Off
Tone Control	›
Gapless Playback	Auto
Volume Normalization	Off

DSEE HX

DSEE HX up-scales audio to the level of Hi-Res Audio by increasing the sampling frequency and bit depth of CD and compressed sound to greater than the original.

Dynamic Range
MP3
CD
Frequency

Auto	Off

Settings → Audio settings → Select DSEE HX Auto.

•We'll remain the DSEE because the sound quality evaluation is different from depending on people. (DSEE/DSEE HX is chose alternatively.)

•HAP-Z1ES will NOT add DSEE HX because the DSD re-mastering engine is better than DSEE HX. (in logically and auditory).
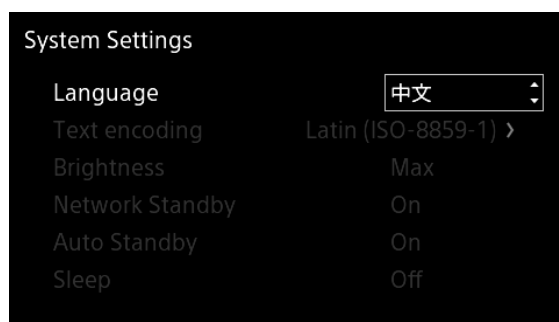
(support for simplified Chinese)

User advantages

Chinese language content can be displayed correctly.

This support must be considered in order to sell this product in mainland China.

Operations overview

By default, Chinese is selected as the language for products aimed at the Chinese market.

Settings → System settings → Select 'Chinese' from languages.

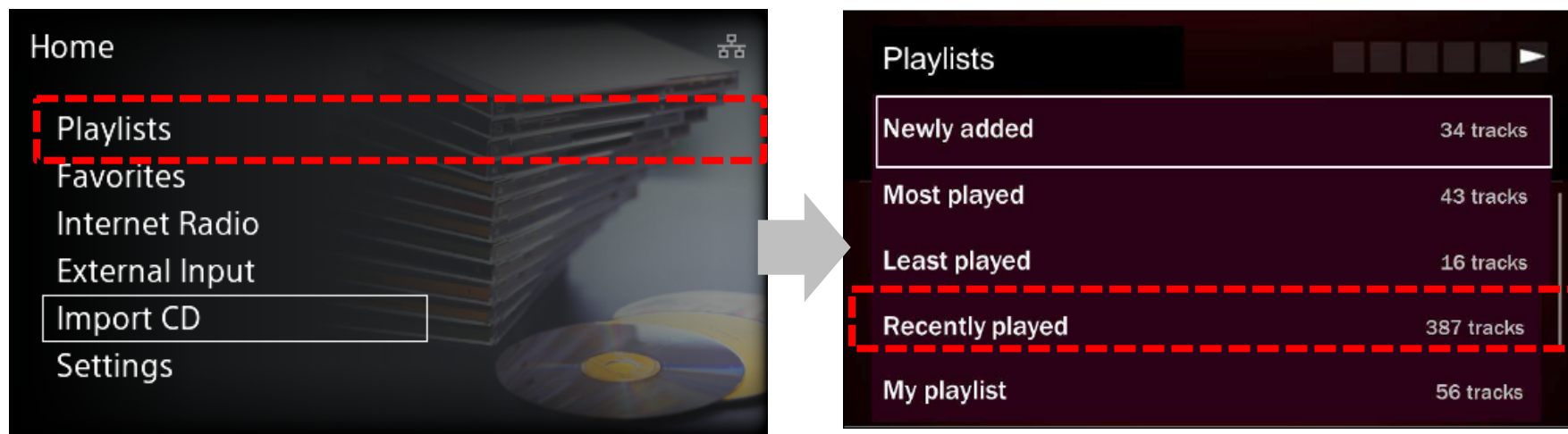# Playlist added for 'Recently played songs'   (HAP-Z1ES/S1)

SONY

User advantages

In addition to the conventional 'Most played' and 'Least played' song playlists, a new 'Recently played' playlist has been added to show the user's song history, automatically adding songs as they are played.
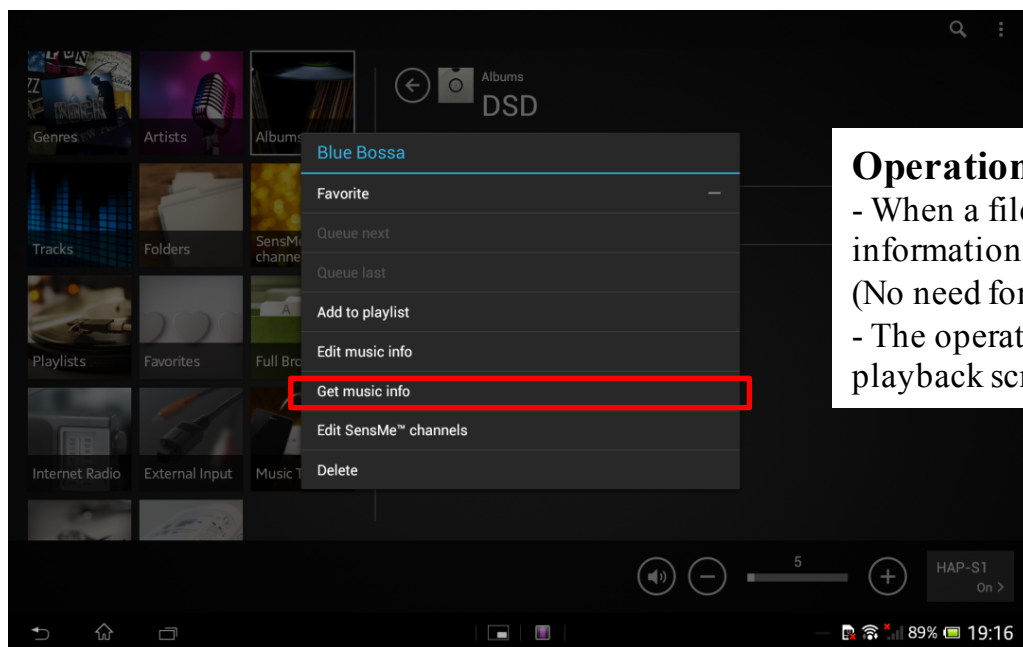
Operations overview

Songs are automatically registered in this playlist once they have been played to the end.

Home → Playlist → Select 'Recently played' → Select song from the list → Play

User advantages
- Enables music information to be obtained for DSD songs.
- DSD songs will also be registered automatically in the 'SensMe™' channel.
- There is no need to consider whether a song is in Direct Stream Digital (DSD) format, as operations are the same as for other CODECs.

Operations overview
- When a file is added, Gracenote can now automatically detect information for songs in DSD format as well
(No need for users to worry about a song's format)
- The operation to 'Obtain music information' on the browser screen or playback screen is the same as for other CODECs.
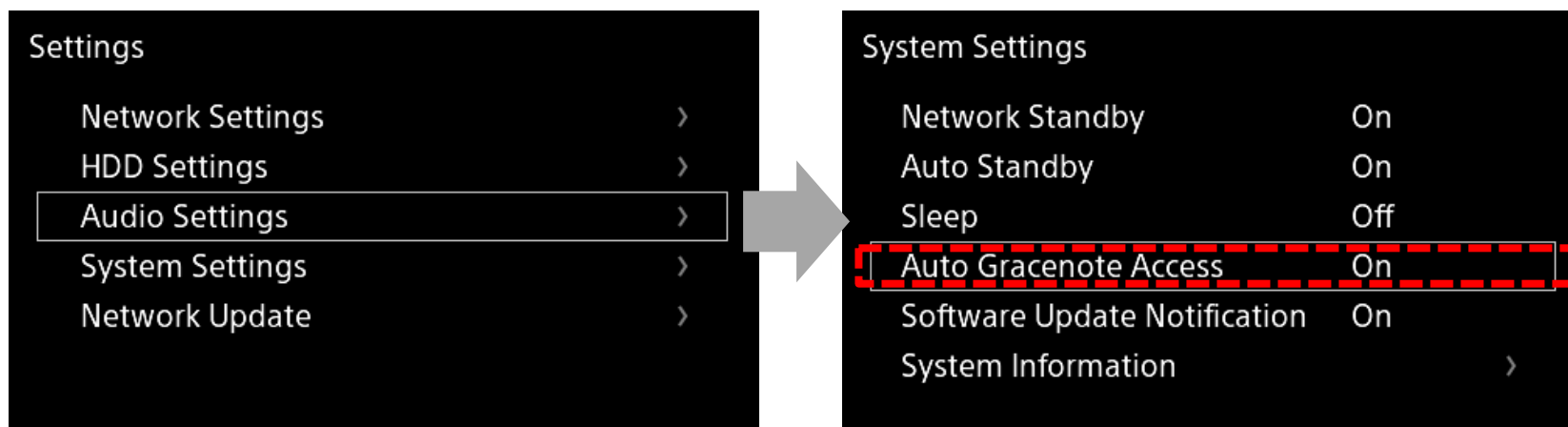
User advantages
 If the indicator that rotates while this information is being automatically obtained is annoying to the user, it can be stopped.

Operations overview

Settings	
Network Settings	›
HDD Settings	›
Audio Settings	›
System Settings	›
Network Update	›

System Settings	
Network Standby	On
Auto Standby	On
Sleep	Off
Auto Gracenote Access	On
Software Update Notification	On
System Information	›

Settings → System settings → Switch automatic Gracenote access ON/OFF

HAP-Z1ES, HAP-S1
Supports direct ripping using a USB CD Drive (GM9)

Premise
- The included USB port can only handle power up to MAX1A.
Therefore, operation cannot be guaranteed when driven using USB bus power.
Sony recommends using a drive that can be connected via an AC adapter.
We have also confirmed connection using a USB Y cable to supply power.

Recommended devices
Although operation cannot be guaranteed, we were able to confirm connection using some devices.

→Refer to the following page.

These are confirmed ripping but there is no guarantee

・LG
  GP50NB40

Together with
Y Adapter USB Data Cable with Two Male
and One Female Connector

・ SAMSUNG
  SE-208GB/RSBD

・ SANOXY
  USB External DVD Combo CD-RW Burner Drive

+

・BUFFALO
  BRXL-16U3

・Apple
  USB Super Drive MD564ZM/A