I·O DATA

Twonky Server Reference

* This document explains the Twonky Server that is installed on our Network Audio Server.

Contents

Opening the Twonky Server setting window

1 Install the "Magical Finder" setting tool.

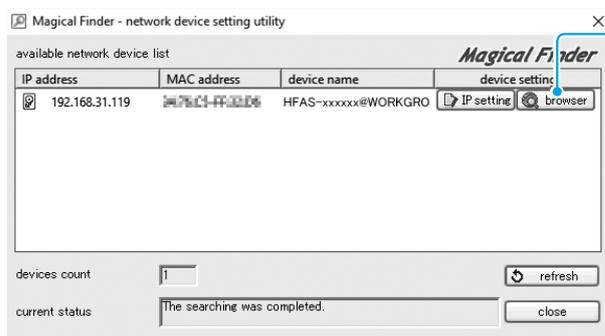|	
Computer	**http://www.iodata.jp/fidata/en/support/#download**
iOS/Android	Search for "Magical Finder" at App Store or Play Store.

2 Start "Magical Finder".

    * Connect the computer and terminal (to be set) to the same router that this unit is connected to.
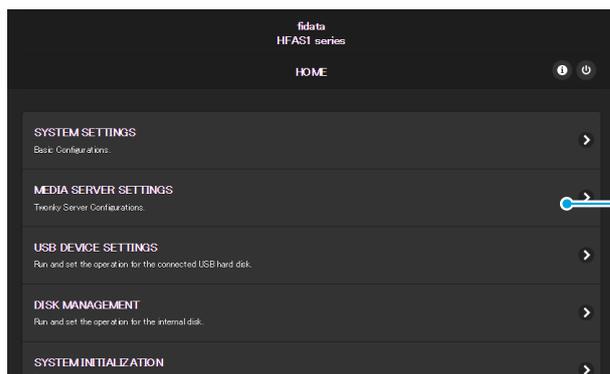
3

Click [browser].

↓

The Network Audio Server setting window will open.

If the [As the IP setting is incorrect, you cannot open the setting window in the browser] message is displayed:

1 Click [OK] to close this window.
2 Click [IP setting].
3 Configure the settings so that it is connected to the same network as the computer and terminal to be set.
 * For example, if the IP address is "AAA.BBB.CCC.DDD", set the same numbers, "AAA.BBB.CCC", of the computer and terminals, but for "DDD" select from 0 to 255, which will be different from other devices.
   Set the same subnet mask and default gateway as those of the computer and terminals.
   (Magical Finder on the computer displays the computer's network settings in the same window.)
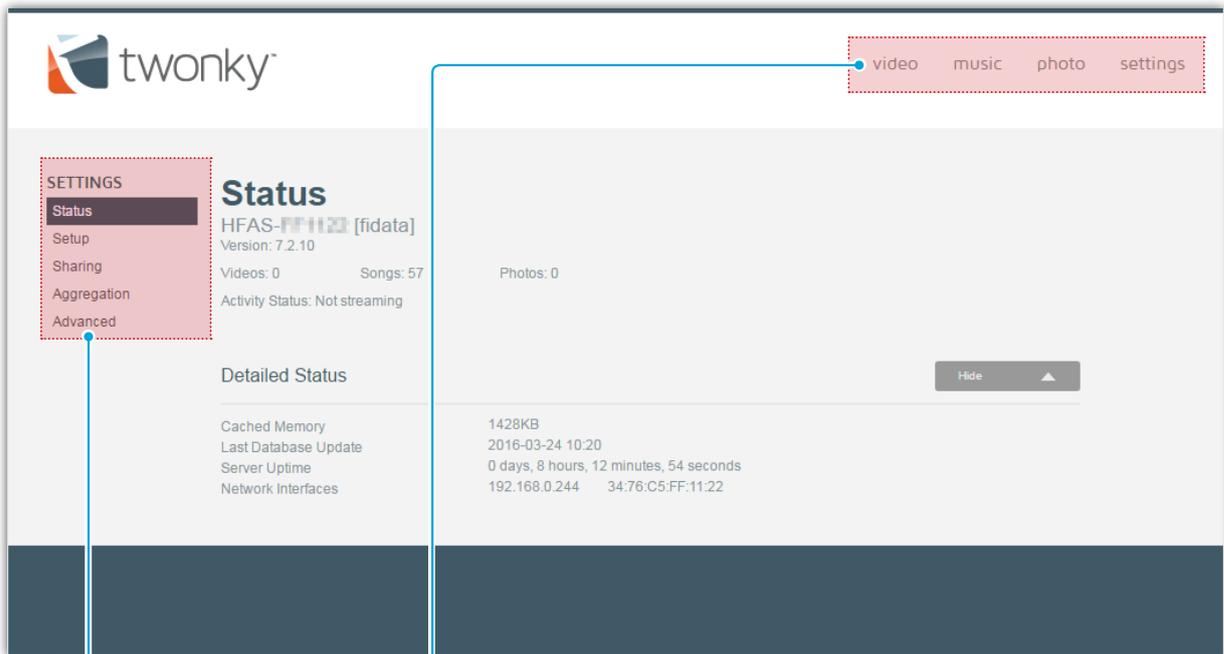

4

Click [MEDIA SERVER SETTINGS].

↓

The Twonky Server setting window opens.

5   Set the Twonky Server.

twonky™

video   music   photo   settings

SETTINGS
Status
Setup
Sharing
Aggregation
Advanced

Status
HFAS-▮▮▮▮▮ [fidata]
Version: 7.2.10

Videos: 0   Songs: 57   Photos: 0

Activity Status: Not streaming

Detailed Status   Hide   ▲

Cached Memory   1428KB
Last Database Update   2016-03-24 10:20
Server Uptime   0 days, 8 hours, 12 minutes, 54 seconds
Network Interfaces   192.168.0.244   34:76:C5:FF:11:22

First, select here.

► Settings   5

You can set the Twonky Server.
* First, [Status] of [SETTINGS] is displayed.

> **[Save Changes] button**
>
> The Setting window has the [Save Changes] button.
> * The Status window does not have the [Save Changes] button.
>
> If you have changed the settings of each item, be sure to click [Save Changes] before changing the page.
> If you change the page without clicking the [Save Changes] button, the item settings are not reflected.

► Music, Videos and Photos   18

You can specify the audio device to play back songs.
* The videos and photos are disabled by default.
Select Shared Folders in Sharing > Media Type, and you can select a streaming media.

When you select the settings or music, this item is switched.
Click here to open each page.

Settings

You can set the Twonky Server.

When you open the Twonky Server setting window, [Status] is displayed first.

Displays the status information about the Twonky Server.

When you open the Twonky Server setting window, [Status] is displayed first.

Selects a Twonky Server language, and sets the folder structure (Navigation Tree) during playback.

Sets the streaming of music to an audio device (Media Receivers).

You can change the audio device type and set a Navigation Tree for each audio device.

Sets the Aggregation function.

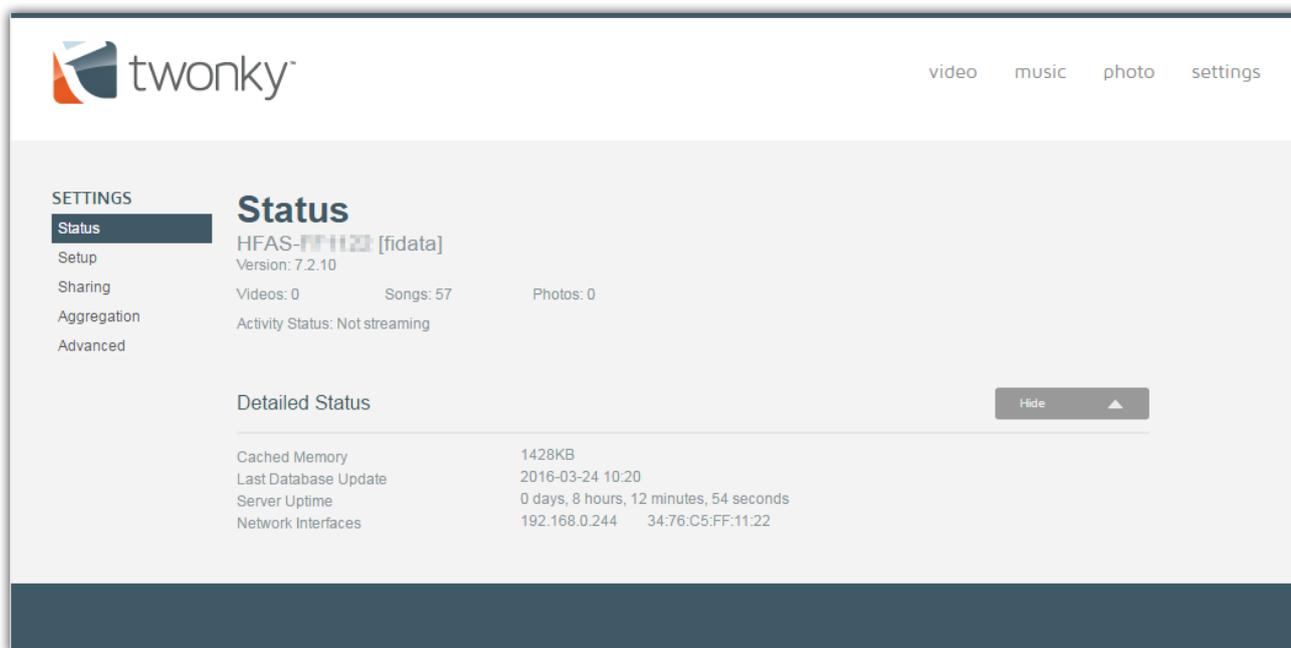You can handle the contents of another media server as if it is stored on the network audio server.

Allows advanced settings of the Twonky Server.

If the Compilation Album display is abnormal or if contents are not found, you can solve these problems by correcting the advanced settings.

Status

Displays the status information about the Twonky Server.

■ **Friendly Name**   HFAS-▉▉▉ [fidata]

This is the friendly name of the network audio server (the name on the DLNA network).
To change this name, change [Name] in the Network Audio Server setting window.

■ **Version**

Indicates the version of the Twonky Server.

■ **Number of contents**   Videos: 0   Songs: 57   Photos: 0

Indicates the number of video, song, and photo contents stored on the Network Audio Server.

■ **Activity Status**

Indicates the operation status of the Network Audio Server.
As shown in this example, if the [Not streaming] message is displayed, music is not streamed to any audio device.

■ **Detailed Status**

□ **Cached Memory**

Indicates the size of cache data that is automatically assigned by the Twonky Server.
You cannot set it manually.

□ **Last Database Update**

Indicates the date when the contents database was recently updated.

□ **Server Uptime**

Indicates the time during which the Twonky Server is continuously operating.
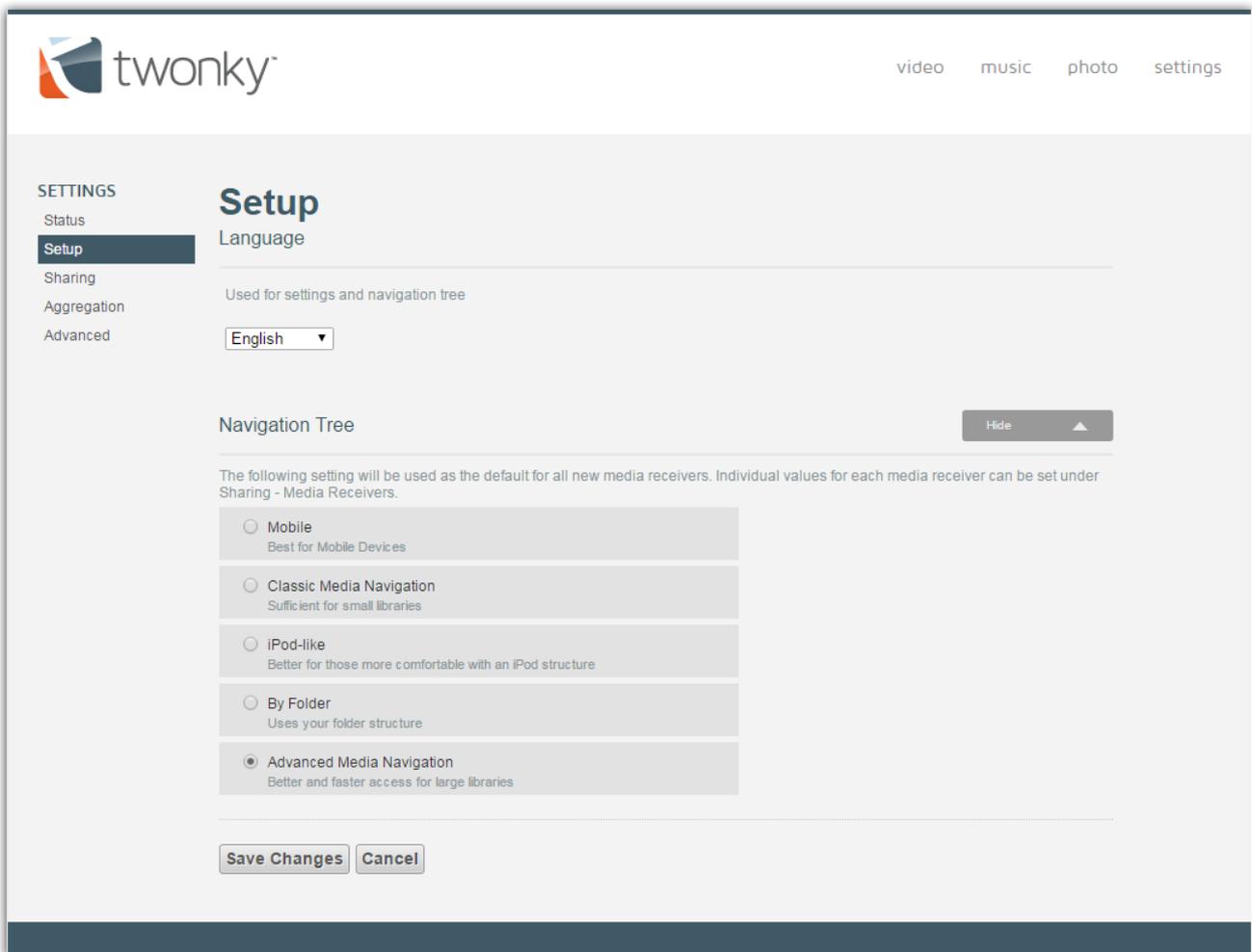
□ **Network Interfaces**

This is the IP address and MAC address of the audio server.
You can set the IP address in the Network Audio Server setting window.
Each device has a unique MAC address. You cannot change it.

Setup

Selects a Twonky Server language, and sets the folder structure (Navigation Tree) during playback.

- **Language** **Default** English

  Select a language to be used in the setting window and the Navigation Tree (folder configuration during playback).

  * Note that the music information etc. is not translated.

- **Navigation Tree** **Default** Advanced Media Navigation

  Set the folder configuration during playback. When you register an audio device (Media Receiver), the type you have set here is selected.

  > **If you wish to change the Navigation Tree type for each audio device:**
  >
  > Set the type for each audio device by selecting: Media Receivers in Sharing > Navigation Type.

□ **Mobile**

The folder configuration suitable for the mobile terminal

□ **Classic Media Navigation**

The folder configuration suitable for a small music library

□ **iPod-like**

The folder configuration suitable for users who wish to use the iPod-like configuration.

□ **By Folder**

The folder configuration suitable for users who organise music folders to their liking.

□ **Advanced Media Navigation**

The folder configuration suitable for a large music library

Type of Navigation Tree and folder configuration

The following folder configuration is set for each type. They are usually displayed in the following order. However, it may differ according to the audio device you use.

Mobile	Classic Media Navigation	iPod-like	By Folder	Advanced Media Navigation
	Folder		Folder	Folder
Recently added songs	Recently added songs	Recently added songs	Recently added songs	Recently added songs
Artists	Artists	Artists		Artists
				Artists Index
Album	Album	Album		Album
Album Index	Album Index	Album Index	Album Index	Album Index
		Composer		Composer
Format	Format	Format	Format	Format
Date	Date	Date	Date	Date
				Artists/ Album
				Genre/Album
Genre/Songs	Genre/Songs	Genre/Songs		Genre/Songs
Playlist	Playlist	Playlist		Playlist
				Personal rating
All music	All music	All music		All music
Title index	Title index	Title index		Title index

Sharing

Sets the streaming of music to an audio device (Media Receivers).

You can change the audio device type and set a Navigation Tree for each audio device.

■ **Shared Folders**

□ **Checkbox** ☑ **Default** **Checked**

If checked, the songs in the folder on the right are streamed to network audio devices.

□ **Shared Folder** **Default** **/mnt/hda6/share/contents/**

This folder stores the streaming songs.

* You cannot change or add folders.

□ **Media Type** **Default** **Music**

You can set a streaming media type.

This setting is for the network audio server to stream only songs.

* Jacket photograph is not set to be streamed as a photo.

■ **Media Receivers**

Sets an audio device (Media Receiver) registered by the Twonky Server. The Twonky Server automatically detects and registers audio devices.

□ **Enable sharing for new media receivers automatically**   `Default` **Checked**

When the Twonky Server automatically registers an audio device, select the method of music streaming.

● Check status and music streaming

Check/Uncheck	Detected new audio device
Checked (Default)	It is registered as a device that can be streamed music. (The box to the left of Audio Device is **checked.**)
Unchecked	It is registered as a device that cannot be streamed music. (The box to the left of Audio Device is **unchecked.**)

□ **Checkbox**   ☑   `Default` *

Set the audio device on the right to stream or not stream music.

* Use the [Enable sharing for new media receivers automatically] option to change the default.

● Checkbox and music streaming

Check/ Uncheck	Audio devices
Checked	**Music streaming is enabled.**
Unchecked	**Music streaming is disabled.**

□ **MAC**

This is the MAC address of the audio device.

□ **IP**

This is the IP address of the audio device.

□ **Friendly Name**

This is the friendly name of the audio device (the name on the DLNA network).

□ **Media Receiver Type**   `Default` *

Select an audio device type.

* The default is determined and set by the Twonky Server automatically.

□ **Navigation Type**   `Default` *

Set the Navigation Tree (folder configuration during playback) for each audio device.

* Set the default by selecting Setup > Navigation Tree.

□ **Reset List**

All registered audio devices are deleted from the list.
After that, the existing audio devices are detected again and registered automatically.

Audio devices

Aggregation

Sets the Aggregation function.

You can handle the contents of another media server as if it is stored on the network audio server.

This function is useful if you are using more than one of our network audio servers.

* It is not guaranteed that all media servers will be detected.

■ **Enable Aggregation**   Default **Unchecked**

If checked, the Aggregation function is enabled.

The contents of each media server are handled according to the settings of <u>Available Servers</u>.

■ **Aggregation Mode**   Default **Ignore**

If another new media server is detected, select an operation to be set automatically.

□ **Ignore**

A newly detected media server is not aggregated.

□ **Aggregate**

The contents of a newly detected media server can be handled as if they are stored on the network audio server.

□ **AutoCopy**

The contents of a newly detected media server are copied onto the network audio server.

* This is useful if you wish to aggregate contents of media servers that may not be available all the time on the network, such as smartphones.

* The contents are copied from the "contents" folder to the "mirrored" folder.

■ **Available Servers**

Set the operation of each media server.

> **Handling of AutoCopy contents**
>
> If you edit or delete the automatically copied contents, the contents of the network audio server are handled as follows.*
>
> | Contents on the media server | Edit | Overwritten by the edited contents, and copied. |
> |---|---|---|
> | | Delete | The contents on the network audio server remain. |
> | Contents on the network audio server | Edit | Overwritten by the media server contents, and copied. The edited contents are lost. |
> | | Delete | The contents are copied again. |
>
> * The changes are reflected at certain times such as when the network audio server is restarted.

□ **Media Type**   ☑ Videos   ☑ Songs   ☑ Photos

Default **All boxes checked**

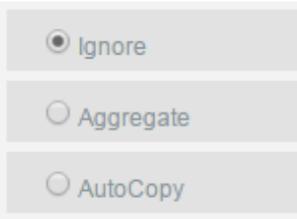You can set a media type to share contents.

Only the contents of media types that you checked are aggregated.

> **If the aggregation operation is set to [AutoCopy]**
>
> We recommend that you uncheck the [Videos] box.
>
> * The [Photos] settings may affect the Album Art etc. depending on your status.

□ **Operations during aggregation**

Default *

Set the operation of each media server during aggregation.
* Set the default by selecting Aggregation Mode in the window.

Advanced

Allows advanced settings of the Twonky Server.

If the Compilation Album display is abnormal or if contents are not found, you can solve these problems by correcting the advanced settings.

■ **Improve My Experience**   **Default** **Unchecked**

If checked, the Twonky Server information is sent to the PacketVideo Corporation.

* Before you check this box, read the policy statement of the destination link.

* This data is not sent to I-O DATA DEVICE, INC.

■ **Compilation Folders** `Default` **Compilations, Sampler**

Set a folder name that stores music data of Compilation Album.

> **If the display of music in Compilation Album is abnormal**
>
> Take the following steps.
> 1 Check the folder name that stores music data of Compilation Album.
> 2 In the Entry field of Compilation Folders, enter the folder name that you checked in Step 1 preceded by a comma (,).
> 3 Update the settings by selecting [Save Changes].
> 4 Click [Rescan Content Folders] of Server Maintenance.
> 5 Make sure that songs are correctly displayed.

■ **Ignore directories**

`Default` **AppleDouble,AppleDB,AppleDesktop,TemporaryItems, .fseventsd,.Spotlight-V100,.Trashes,.Trash,RECYCLED, RECYCLER,RECYCLE.BIN**

Set a folder or folders to be ignored during contents scan.

> **If data that is not unintended is displayed**
>
> Take the following steps.
> 1 Check the folder name that contains the unintended data that is displayed.
> 2 In the Entry field of Ignore directories, enter the folder name that you checked in Step 1 preceded by a comma (,).
> 3 Update the settings by selecting [Save Changes].
> 4 Click [Rescan Content Folders] of Server Maintenance.
> 5 Make sure that songs are correctly displayed.

■ **Rescan Interval** `Default` **-1**

Set the scan intervals (in minutes) to update the audio information.

If the interval is "-1", the audio updating is monitored and the audio information is updated automatically.

* Under normal circumstances, leave the interval set to "-1".

■ **Restart on NIC changes** `Default` **Checked**

If checked, and when the LAN cable is unplugged or when the IP address is changed, the Twonky Server restarts.

* Under normal circumstances, leave this box checked.

■ **Server Maintenance**

You can operate the Twonky Server.

□ **Restart Server**

Restarts the Twonky Server.

□ **Rescan Content Folders**

Updates the audio information.

□ **Reset to Defaults**

Returns the Twonky Server to the default settings.

□ **Clear Cache**

Deletes the cache data that has been assigned automatically by the Twonky Server.

Music, Videos and Photos

You can specify the audio device to play back songs. Also, you can play back songs in the Web browser and download them.
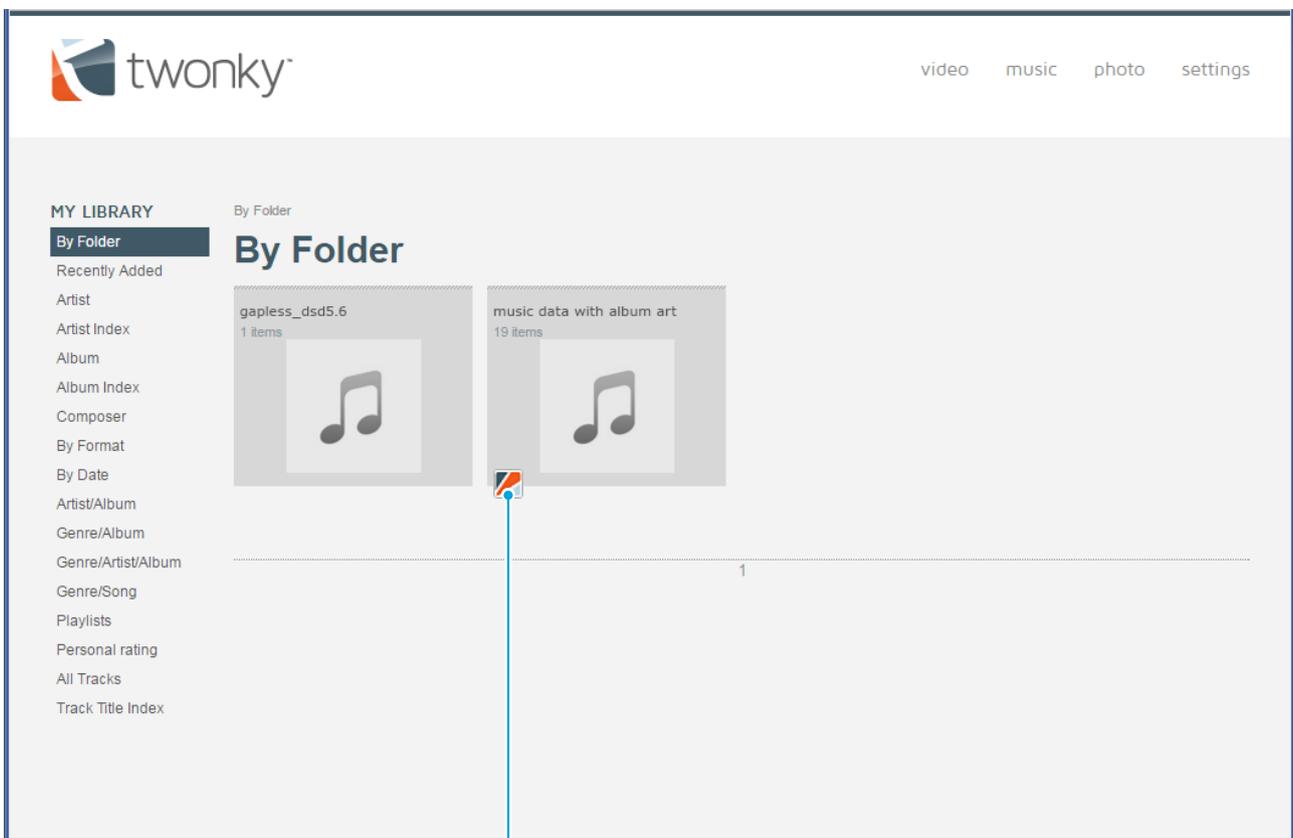
* You can play back or download songs depending on the contents.

> **The videos and photos are disabled.**
>
> This is the audio server, and media other than music are disabled.
>
> You can select the streaming media by selecting Shared Folders in Sharing > Media Type.
>
> * This is the audio server, and videos and photos are not supported.

When you click ⬛, the contents of the audio device are played back.