CLAIMS

What is claimed is:

1. A multimedia material processing method, applied to a multimedia playback device, comprising:

obtaining a cache list sent by a service device, wherein the cache list indicates a to-be-cached multimedia material;

caching the to-be-cached multimedia material to cached multimedia material;

requesting the service device to determine a target multimedia material, wherein the target multimedia material is a to-be-played multimedia material;

determining that the target multimedia material fails to be determined or the target multimedia material is successfully determined but the target multimedia material is not cached in the cached multimedia material; and

determining, from the cached multimedia material, a second to-be-played multimedia material that is not conflicted with a currently played multimedia material, as the target multimedia material.

2. The processing method according to claim 1, further comprising:

playing the target multimedia material when a playback condition of the target multimedia material is satisfied.

3. The processing method according to claim 2, wherein

the cache list comprises download information and playback information that are of the to-be-cached multimedia material; and

the caching the to-be-cached multimedia material comprises:

downloading multimedia data of the to-be-cached multimedia material based on the download information of the to-be-cached multimedia material; and

associating and caching the multimedia data and the playback information of the to-be-cached multimedia material for the to-be-cached multimedia material.

4. The processing method according to claim 3, wherein

the playing the target multimedia material comprises:

playing the cached multimedia data of the target multimedia material based on the cached playback information of the target multimedia material.

5. The processing method according to claim 4, wherein

a playback interface of the multimedia playback device is divided into at least one rendering block, and different rendering blocks correspond to different playback

areas in the playback interface; and the playback information of the multimedia material is used to indicate a rendering block corresponding to the multimedia data of the multimedia material; and

the playing the cached multimedia data of the target multimedia material based on the cached playback information of the target multimedia material comprises:

determining a rendering block corresponding to the target multimedia material based on the cached playback information of the target multimedia material; and

setting a playback address of the rendering block corresponding to the target multimedia material to a cache address of the multimedia data of the target multimedia material, so that the rendering block corresponding to the target multimedia material plays the cached multimedia data of the target multimedia material.

6. The processing method according to claim 1, further comprising:

obtaining access information of a wireless network within a predetermined range of the multimedia playback device when the multimedia playback device plays the multimedia material;

obtaining, based on the access information, information about a user accessing the wireless network; and

associating and recording the user information and a multimedia material played by the multimedia playback device at a time corresponding to the user information.

7. The processing method according to claim 6, further comprising:

record a task event of caching the to-be-cached multimedia material, a task event of playing the target multimedia material, and a task event of obtaining the information about the user accessing the wireless network, and send the task events to the service device.

8. The processing method according to claim 3, wherein

the playback information of the multimedia material further indicates a conflicted multimedia material formed by the multimedia material conflicted with said multimedia material; and

the re-determining the target multimedia material from the cached multimedia material comprises:

determining, based on the cached playback information of the currently played multimedia material, a conflicted multimedia material set formed by the currently played multimedia material conflicted with said multimedia material; and

determining the second to-be-played target multimedia material from the cached multimedia material that does not belong to the conflicted multimedia material set.

9. The processing method according to claim 1, further comprising:

obtaining an offline list sent by the service device, wherein the offline list is used to indicate a multimedia material to be taken offline; and

disabling multimedia data corresponding to the multimedia material to be taken offline in the cached multimedia material.

10. The processing method according to claim 9, after the obtaining an offline list sent by the service device, further comprising:

determining whether the multimedia material to be taken offline is the currently played multimedia material; and

stopping playing the currently played multimedia material if the multimedia material to be taken offline is the currently played multimedia material, and determining the target multimedia material from a cached multimedia material that would not be taken offline.

11. The processing method according to claim 1, wherein

the requesting the service device to determine the target multimedia material from comprises:

re-requesting the service device to determine the to-be-played target multimedia material when a remaining playback time corresponding to the currently played multimedia material reaches a predetermined execution condition.

12. A multimedia material processing apparatus, applied to a multimedia playback device, comprising:

an obtaining module, configured to obtain a cache list sent by a service device, wherein the cache list indicates a to-be-cached multimedia material;

a caching module, configured to cache the to-be-cached multimedia material to cached multimedia material;

a request module, configured to request the service device to determine a to-be-played target multimedia material; and

a determining module, configured to:

determine that the target multimedia material fails to be determined or the target multimedia material is successfully determined but the target multimedia material is not cached in the cached multimedia material; and

determine, from the cached multimedia material, a second to-be-played

multimedia material that is not conflicted with a currently played multimedia material, as the target multimedia material.

13. A multimedia playback device, comprising a memory, a processor, and a computer program that is stored in the memory and that can run on the processor, wherein the computer program is executed by the processor to:

obtain a cache list sent by a service device, wherein the cache list indicates a to-be-cached multimedia material;

cache the to-be-cached multimedia material to cached multimedia material;

request the service device to determine a to-be-played target multimedia material;

determine that the target multimedia material fails to be determined or the target multimedia material is successfully determined but the target multimedia material is not cached in the cached multimedia material; and

determine, from the cached multimedia material, a second to-be-played multimedia material that is not conflicted with a currently played multimedia material, as the target multimedia material.

14. A computer readable storage medium, wherein the computer readable storage medium stores a computer program, and when the computer program is executed by a processor, the following steps are implemented:

obtaining a cache list sent by a service device, wherein the cache list indicates a to-be-cached multimedia material;

caching the to-be-cached multimedia material to cached multimedia material;

requesting the service device to determine a to-be-played target multimedia material;

determining that the target multimedia material fails to be determined or the target multimedia material is successfully determined but the target multimedia material is not cached in the cached multimedia material; and

determining, from the cached multimedia material, a second to-be-played multimedia material that is not conflicted with a currently played multimedia material, as the target multimedia material.