CLAIMS

1. A multi-user instant messaging method, the method executable by a server, the method comprising:

obtaining a first quantity of first multimedia data streams;

merging the first quantity of first multimedia data streams into a second quantity of second multimedia data streams, the second quantity being less than the first quantity; and

transmitting the second quantity of second multimedia data streams to a recipient terminal, so that the recipient terminal presents multimedia in the second multimedia data streams,

wherein the merging the first quantity of first multimedia data streams into a second quantity of second multimedia data streams comprises:

separating first audio data streams from the first multimedia data streams; and

performing audio mixing on the first audio data streams to obtain the second quantity of second multimedia data streams, and

wherein before the performing audio mixing on the first audio data streams, the method further comprises:

removing, in a case that a target multimedia data stream originates from the recipient terminal, the first audio data stream separated from the target multimedia data stream, the target multimedia data stream being any one among the first quantity of first multimedia data streams.

2. The method according to claim 1, wherein the merging the first quantity of first multimedia data streams into a second quantity of second multimedia data streams comprises:

converting, based on attribute configuration information, the first quantity of first multimedia data streams into the first quantity of first multimedia data streams matching the attribute configuration information, the attribute configuration information being information used for indicating a presentation attribute of a multimedia data stream; and

merging the first quantity of first multimedia data streams matching the attribute configuration information into the second quantity of second multimedia data streams matching the attribute configuration information.

3. The method according to claim 2, wherein before the merging the first quantity of first

multimedia data streams into a second quantity of second multimedia data streams, the method comprises:

obtaining the attribute configuration information preset by the recipient terminal for multimedia playback.

4. The method according to claim 1, wherein the merging the first quantity of first multimedia data streams into a second quantity of second multimedia data streams comprises:

separating first video data streams from the first multimedia data streams; and

performing video mixing on the first video data streams to obtain the second quantity of second multimedia data streams.

5. A multi-user instant messaging system, comprising a scheduling node and at least two candidate data adapter nodes,

the scheduling node being configured to select a candidate data adapter node from the at least two candidate data adapter nodes as a target data adapter node; and

the target data adapter node being configured to: obtain a first quantity of first multimedia data streams, merge the first quantity of first multimedia data streams into a second quantity of second multimedia data streams, the second quantity being less than the first quantity, and transmit the second quantity of second multimedia data streams to a recipient terminal, so that the recipient terminal presents multimedia in the second multimedia data streams,

wherein the target data adapter node is configured to separate first audio data streams from the first multimedia data streams; and the target audio processing node is configured to: perform audio mixing on the first audio data streams, and transmit the first audio data streams that have undergone the audio mixing to the target data adapter node, so that the target data adapter node obtains the second quantity of second multimedia data streams, and

the target audio processing node is further configured to: before performing the audio mixing on the first audio data streams, remove, in a case that a target multimedia data stream originates from the recipient terminal, the first audio data stream separated from the target multimedia data stream, the target multimedia data stream being any one among the first quantity of first multimedia data streams..

6. The system according to claim 5, wherein the scheduling node is configured to:

periodically obtain operating status information corresponding to the candidate data adapter nodes;

obtain status scores corresponding to the candidate data adapter nodes based on the operating status information; and

select the target data adapter node from the candidate data adapter nodes based on the status scores.

7. The system according to claim 5, wherein the system further comprises at least two candidate audio processing nodes, and the scheduling node is configured to select a candidate audio processing node from the at least two candidate audio processing nodes as a target audio processing node.

8. The system according to claim 5, wherein the system further comprises at least two candidate video processing nodes, and the scheduling node is configured to select a candidate video processing node from the at least two candidate video processing nodes as a target video processing node.

9. The system according to claim 8, wherein the target data adapter node is configured to separate first video data streams from the first multimedia data streams; and

the target video processing node is configured to: perform video mixing on the first video data streams, and transmit the first video data streams that have undergone the video mixing to the target data adapter node, so that the target data adapter node obtains the second quantity of second multimedia data streams.

10. A multi-user instant messaging apparatus comprising:

an obtaining module, configured to obtain a first quantity of first multimedia data streams;

a merging module, configured to merge the first quantity of first multimedia data streams into a second quantity of second multimedia data streams, the second quantity being less than the first quantity; and

a transmission module, configured to transmit the second quantity of second multimedia data streams to a recipient terminal, so that the recipient terminal presents multimedia in second multimedia data streams,

wherein the merging module is configured to: separate first audio data streams from the first multimedia data streams; and perform audio mixing on the first audio data streams to obtain the second quantity of second multimedia data streams, and

the merging module is further configured to: before audio mixing on the first audio data streams, remove, in a case that a target multimedia data stream originates from the recipient

terminal, the first audio data stream separated from the target multimedia data stream, the target multimedia data stream being any one among the first quantity of first multimedia data streams.

11. A multi-user instant messaging electronic device comprising:

a memory having computer-readable instructions stored thereon; and

a processor configured to read the computer-readable instructions stored in the memory to perform the method according to any one of claims 1 to 4.

12. A computer-readable storage medium storing with computer-readable instructions, the computer-readable instructions, when being executed by a processor, implementing the method according to any one of claims 1 to 4.