CLAIMS

1. An audio reproduction device capable of providing audio output through at least one output member, the audio reproduction device including:

a left output member for transmission of audio, the left output member being able to fit into a user's first ear;

a transducer for converting input audio signals into audio output, the transducer being directly coupled to the left output member;

an acoustic tube coupled to the left output member for transmission of audio from the transducer, a first end of the acoustic tube being coupled to the left output member; and

a right output member for transmission of audio, the right output member being able to fit into the user's second ear, a second end of the acoustic tube being coupled to the right output member,

wherein the audio output is transmitted from the transducer through the acoustic tube to the right output member, and the right output member is removable from the audio reproduction device.

2. The audio reproduction device of claim 1, further including a wireless receiver coupled to the transducer to receive input audio signals.

3. The audio reproduction device of claim 2, wherein the input audio signals are received by the transducer via either a physical connection or a wireless connection.

4. The audio reproduction device of claim 2, wherein the wireless receiver employs a wireless technology selected from a group comprising: infra-red, RF, and Bluetooth.

5. The audio reproduction device of claim 1, further including a power source coupled to the transducer, the power source being for powering the transducer.

6. The audio reproduction device of claim 1, wherein varying the acoustic tube affects the audio output transmitted to the right output member, the audio output being affected by either phase shift or attenuation.

7. The audio reproduction device of claim 6, wherein varying the acoustic tube is carried out by varying either a length or a material of the acoustic tube.

8. The audio reproduction device of claim 1, wherein the first end of the acoustic tube is removable from the left output member and the second end of the acoustic tube is removable from the right output member.

9. The audio reproduction device of claim 1, wherein the second end of the acoustic tube is affixed to the right output member.

10. The audio reproduction device of claim 1, wherein both the left output member and the right output member allow ambient sounds to enter the user's first and second ears respectively.

11. A method for using an audio reproduction device capable of providing audio output through at least one output member, the method including:

receiving input audio signals at a transducer for converting the input audio signals to produce audio output;

powering the transducer to produce the audio output, the transducer being coupled to a left output member, the left output member being able to fit into a user's first ear; and

coupling a first end of an acoustic tube to the left output member, a second end of the acoustic tube being coupled to a right output member, the right output member being able to fit into the user's second ear, with the acoustic tube being for transmission of audio from the transducer;

wherein the audio output is transmitted from the transducer through the acoustic tube to the right output member, and the right output member is removable from the audio reproduction device.

12. The method of claim 11, wherein the input audio signals are received at the transducer via either a physical connection or a wireless connection.

13. The method of claim 12, wherein the wireless connection employs a wireless technology selected from a group comprising: infra-red, RF, and Bluetooth.

14. The method of claim 11, wherein varying the acoustic tube affects the audio output transmitted to the right output member, the audio output being affected by either phase shift or attenuation.

15. The method of claim 14, wherein varying the acoustic tube is carried out by varying either a length or a material of the acoustic tube.

16. The method of claim 11, wherein both the left output member and the right output member allow ambient sounds to enter the user's first and second ears respectively.

CLAIMS

1. An audio reproduction device capable of providing audio output through at least one output member, the audio reproduction device including:

a left output member being able to fit into a user's first ear and for transmission of audio to the user's first ear;

a transducer for converting input audio signals into audio output, the transducer being directly coupled to the left output member;

an acoustic tube coupled to the left output member for transmission of audio from the transducer, a first end of the acoustic tube being coupled to the left output member; and,

a right output member being able to fit into the user's second ear and for transmission of audio to the user's second ear, a second end of the acoustic tube being coupled to the right output member,

wherein the audio output is transmitted from the transducer through the acoustic tube to the right output member, and the right output member is removable from the audio reproduction device.

2. The audio reproduction device of claim 1, further including a wireless receiver coupled to the transducer to receive input audio signals.

3. The audio reproduction device of claim 2, wherein the input audio signals are received by the transducer via either a physical connection or a wireless connection.

4. The audio reproduction device of claims 2 or 3, wherein the wireless receiver employs a wireless technology selected from a group including: infra-red, RF, and BLUETOOTH®.

5. The audio reproduction device of any one of claims 1 to 4, further including a power source coupled to the transducer, the power source being for powering the transducer.

6. The audio reproduction device of any one of claims 1 to 5, wherein varying the acoustic tube affects the audio output transmitted to the right output member, the audio output being affected by either phase shift or attenuation.

7. The audio reproduction device of any one of claims 1 to 6, wherein varying the acoustic tube is carried out by varying either a length or a material of the acoustic tube.

8. The audio reproduction device of any one of claims 1 to 7, wherein the first end of the acoustic tube is removable from the left output member and the second end of the acoustic tube is removable from the right output member.

9. The audio reproduction device of any one of claims 1 to 8, wherein the second end of the acoustic tube is affixed to the right output member.

10. The audio reproduction device of any one of claims 1 to 9, wherein both the left output member and the right output member allow ambient sounds to enter the user's first and second ears respectively.

11. A method for using an audio reproduction device capable of providing audio output through at least one output member, the method including:

receiving input audio signals at a transducer for converting the input audio signals to produce audio output;

powering the transducer to produce the audio output, the transducer being coupled to a left output member, the left output member being able to fit into a user's first ear and for transmission of audio to the user's first ear; and

coupling a first end of an acoustic tube to the left output member, a second end of the acoustic tube being coupled to a right output member, the right output member being able to fit into the user's second ear and for

transmission of audio to the user's second ear, with the acoustic tube being for transmission of audio from the transducer;

wherein the audio output is transmitted from the transducer through the acoustic tube to the right output member, and the right output member is removable from the audio reproduction device.

12. The method of claim 11, wherein the input audio signals are received at the transducer via either a physical connection or a wireless connection.

13. The method of claim 12, wherein the wireless connection employs a wireless technology selected from a group including: infra-red, RF, and BLUETOOTH®.

14. The method of any one of claims 11 to 13, wherein varying the acoustic tube affects the audio output transmitted to the right output member, the audio output being affected by either phase shift or attenuation.

15. The method of any one of claims 11 to 14, wherein varying the acoustic tube is carried out by varying either a length or a material of the acoustic tube.

16. The method of any one of claims 11 to 15, wherein both the left output member and the right output member allow ambient sounds to enter the user's first and second ears respectively.