the audio signal sending unit is coupled with the audio signal input pin of the audio signal adapter device.

8. A detecting device, comprising a detecting interface and a detecting unit, wherein

the detecting interface comprises a detecting signal output pin, a ground pin and a detecting pin, and adapts to the first interface of the audio signal adapter device according to any one of claims 1-6 so as to detect the first interface; and

when the ground pin of the detecting interface is coupled with the microphone pin of the audio signal adapter device, the detecting unit is configured to determine a mismatch between the first interface and the detecting interface according to an analog signal received by the detecting pin.

9. An interface detecting system of an audio signal adapter device, comprising the audio signal adapter device according to any one of claims 1-6 and the detecting device according to claim 8.

10. The system according to claim 9, further comprising a master control chip coupled with the audio signal adapter device, wherein

the master control chip comprises an audio signal receiving unit and an audio signal sending unit;

the audio signal receiving unit is coupled with the audio signal output pin of the audio signal adapter device; and

the audio signal sending unit is coupled with the audio signal input pin of the audio signal adapter device.

the audio signal sending unit is coupled with the audio signal input pin of the audio signal adapter device.

8. An interface detecting system of an audio signal adapter device, comprising the audio signal adapter device according to any one of claims 1-6 and a detecting device, wherein

the detecting device comprises a detecting interface and a detecting unit;

the detecting interface comprises a detecting signal output pin, a ground pin and a detecting pin, and adapts to the first interface of the audio signal adapter device so as to detect the first interface; and

when the ground pin of the detecting interface is coupled with the microphone pin of the audio signal adapter device, the detecting unit is configured to determine a mismatch between the first interface and the detecting interface according to an analog signal received by the detecting pin.

9. The system according to claim 8, further comprising a master control chip coupled with the audio signal adapter device, wherein

the master control chip comprises an audio signal receiving unit and an audio signal sending unit;

the audio signal receiving unit is coupled with the audio signal output pin of the audio signal adapter device; and

the audio signal sending unit is coupled with the audio signal input pin of the audio signal adapter device.