

ABSTRACT

There is provided a relay unit disposed between a mobile terminal that is a sound source and an earphone for outputting sound. The relay unit preferably wirelessly transmits/receives audio data to/from the mobile terminal and preferably transmits an operation signal to the mobile terminal.

A headset is attached to the relay unit. The headset can be used as a wireless headset through Bluetooth communication with the mobile terminal. On the other hand, when the mobile terminal receives a digital mobile broadcast, the relay unit is connected to the mobile terminal via a shielded cable that also operates as a broadcast receiving antenna. Furthermore, while the relay unit is connected to the mobile terminal via a cable, a circuit driving battery included in the relay unit is charged.