said output mode setting unit is configured to set a first output mode in said output unit on the upper side opposite to the side of said orientation of gravity, and to set a second output mode in said output unit on the lower side coinciding with the side of said orientation of gravity, based on the results of detection by said orientation detection unit.

**9**. The device as set forth in claim **7**, wherein

said output unit includes loudspeakers mounted at different positions of said casing.

**10**. The device as set forth in claim **7**, wherein

said symmetrical shape is shaped symmetrically on the left and right sides, shaped symmetrically on the upper and lower sides, or shaped symmetrically on the upper and lower sides and on the left and right sides.

**11**. The device as set forth in claim **8**, wherein

said output units are provided at positions equidistant from the center of said casing.

**12**. The input device of claim **1** further comprising an acceleration sensor, wherein the command assigning unit is activated by the acceleration sensor to enter a command inputting mode.

**13**. An inputting method comprising the steps of:

detecting the gravitational orientation of an ellipsoidal symmetrical shaped casing designed to fit in a user's hand; and

assigning commands to inputs from an input unit provided in said casing the input unit activatable by a particular user action, the assigning based on the results of detection conducted in said orientation detecting step wherein the commands include a first command associated with the first function of the input unit and a second command associated with a second function of the input unit, wherein different detected gravitation orientations of said casing cause different ones of the first and second commands to be assigned to said input unit activatable by the particular user action.

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