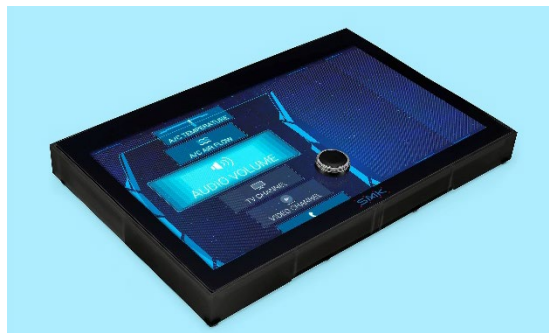


SMK Develops the Industry's Smallest* Device Allowing Rotary Input Operation on Touch Panel



SMK has developed the “Jog Dial on Touch Panel”, an input device that can be placed and operated on a touch panel, in response to the recent trend toward larger in-vehicle displays and increasingly multifunctional home appliances.

This is a new concept input device that allows users to physically turn the dial switch on the touch panel in addition to the usual operation of touching the screen, which was achieved by combining SMK’s touch sensor technology with mechanical design technology. It covers a wide range of applications, including volume, air conditioning, timers, and menu selections.

Placing the dial switch on the touch panel saves space and improves the design flexibility of the final product, contributing to the creation of new designs.

The minimum size is $\phi 30$ mm. It is the smallest in the industry as a capacitive-type jog dial.

SMK will continue to develop high-value-added products to meet the demands of an increasingly diverse and sophisticated display market.

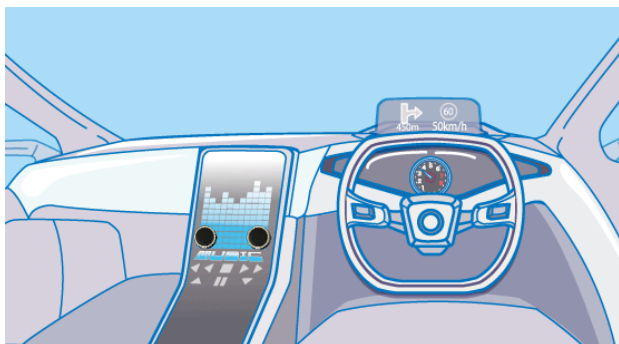
* According to SMK's research.

Applications

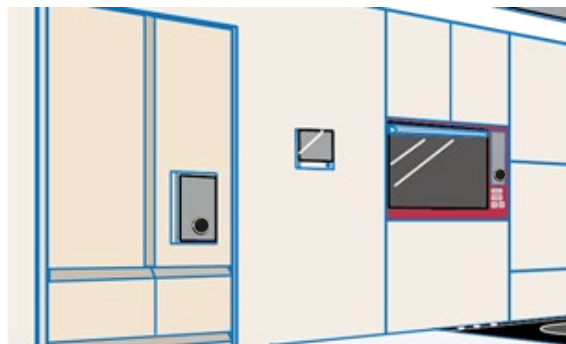
Infotainment systems (in-vehicle infotainment, display audio, car navigation equipment, etc.), automotive center consoles, and home appliances with input devices (washing machines, refrigerators, microwave oven, etc.)

【Image】

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Car Cabin



Kitchen

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Product Name	Jog dial on Touch Panel	
Features	<ol style="list-style-type: none"> 1) Intuitive operation realized by SMK's unique structure of jog dial. (patent pending) 2) Greater flexibility in housing design compared to the use of conventional control knobs. 3) Customers can freely select where the dials are placed and multiple dials can be placed on a touch panel. *Intended to be offered as a set with touch panels. 4) Donut-shaped design with a hollowed-out center is also available. 	
Major Specifications	Structure	Mechanical rotary knob (No electrical components)
	Minimum Dimensions	Φ30 mm, Height 10 mm
	Number of Clicks	One rotation can be divided into up to 32 steps.
	Operating Temperature Range	-30°C to +85°C
	Sensing System	Capacitive (Mutual-capacitive)
	Fixing Method	Adhesive tape/glue
Sample Price	Prices vary depending on customized specifications.	
Inquiry	For more information, please contact SCI Division	