

Pocket Prince: A Discrete Pocket Keyboard



Description

Pocket Prince is a type of keyboard that is meant to be used while the user's hands are in his pockets. It is achieved by either inserting the device into the user's pocket or by inserting a "fake pocket" with a high friction surface on the external parts of the material so that the pocket does not accidentally slip out. The user can type on the keyboard by inserting their hand in the pocket and typing. Additionally, the wrists would naturally lean on the user's thighs, thus being just as stable as hands typing on a real keyboard. The ideal use case for this device is being paired up with smart glasses-type device while standing in a highly crowded area, like a subway car, for example, where the user's hands might be restricted.

The exact input method is a matter of research and testing - whether the user would input keys like a real keyboard or whether to use button combinations to decrease the amount of keys installed in the device, whether it's possible to use the device one handed (only one hand in the pocket). Additionally, the buttons/device would have to be specifically prepared to ignore constant pocket pressure and external forces.

Comparison

Of all the input methods presented, they relied on either text input using devices fastened to the user's hand or by emulating a keyboard with external sensors to "type in the air". Both of these devices have flaws: the flaw of the first one was that the device is permanently stuck to the user's hand, sometimes in a way, that prevents the user from using their hands comfortably. The problem for the second device is that the hands receive no feedback and compared to the first

set of devices, they are not portable. The hands would also by default lean on the user's thighs, thus relieving the stress.