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(57) Abstract :

The present invention discloses a modular keypad device (100) comprising a base platform (101) with detachable key modules (102), each featuring an embedded display (103) and unique identification. These modules are hot-swappable and reconfigurable for different software environments. The system includes a synchronization software (109) that detects active applications and dynamically updates key functions. Additional components like dials (105), sliders (106), and toggle switches (107) enhance functionality, making the device ideal for professional, gaming, and creative task-specific operations with improved efficiency and user interaction.

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