

- a multi-touch touch screen capable of concurrently receiving multiple touch inputs; and
- a computing device operatively connected to said multi-touch touch screen, said computing device configured to: display a mixing console Graphical User Interface (GUI) on said multi-touch touch screen, the mixing console GUI having a plurality of GUI objects; determine whether at least one touch input has been detected; identify the one or more GUI objects that are associated with the at least one touch input; determine modifications to the one or more identified GUI objects based on the at least one touch input; update the one or more identified GUI objects of the mixing console GUI to reflect the modifications; and determine input data based on the at least one touch input and the one or more identified GUI objects.
- 42.** A touch-sensitive apparatus operating as an electronic keyboard, said apparatus comprising:
- a touch screen having a display area that also operates as a touch input area; and
  - a plurality of keyboard keys being displayed in the display area of said touch screen and being interactive with a user through interaction with the touch input area of said touch screen.
- 43.** A touch-sensitive apparatus as recited in claim 42, wherein said touch screen is a multipoint touch screen.
- 44.** A touch-sensitive apparatus as recited in claim 43, wherein said touch-sensitive device further comprises:
- a processor operatively connected to said touch screen, said processor operable to receive touch input from interaction by the user with the touch input area, and to display the keyboard keys on the display area.
- 45.** A touch-sensitive apparatus as recited in claim 44, wherein said processor causes the display of the keyboard keys to be altered based on the touch input from interaction by the user with the touch input area.
- 46.** A touch-sensitive apparatus as recited in claim 45, wherein the alteration of the keyboard keys based on the touch input is performed in real time.
- 47.** A touch-sensitive apparatus as recited in claim 42, wherein said touch-sensitive apparatus concurrently detects multiple ones of the keyboard keys.
- 48.** A touch-sensitive apparatus as recited in claim 47, wherein the multiple ones of the keyboard keys being detected are used to signify a chord.
- 49.** A method for operating a computing device having a touch screen, said method comprising:
- displaying a keyboard Graphical User Interface (GUI) having a plurality of keys on the touch screen;
  - determining whether at least one touch input has been detected;
  - identifying the one or more keys that are associated with the at least one touch input;
  - determining modifications to the one or more identified keys based on the at least one touch input;
  - updating the one or more identified keys of the keyboard GUI to reflect the modifications; and
  - determining input data based on the at least one touch input and the one or more identified keys.
- 50.** A method as recited in claim 49, wherein said method further comprises:
- processing the input data at the computing device.
- 51.** A method as recited in claim 49, wherein the touch screen includes surface guides that correspond to the keys of the keyboard GUI displayed on the touch screen.
- 52.** A method as recited in claim 49, wherein said updating is performed substantially concurrently with said determining of whether the at least one touch input has been detected.
- 53.** A method as recited in claim 49, wherein the touch screen is a multipoint touch screen.
- 54.** A method as recited in claim 53,
- wherein said determining whether at least one touch input has been detected operates to determine whether a plurality of touch inputs are concurrently provided to the touch screen,
  - wherein said identifying operates to identify the one or more keys that are associated with the plurality of touch inputs, and
  - wherein said determining operates to determine modifications to the one or more keys based on the plurality of touch inputs.
- 55.** A method as recited in claim 54,
- wherein the touch screen includes surface guides that correspond to the keys of the keyboard GUI displayed on the touch screen, and
  - wherein the surface guides correspond to the keys being displayed on said touch screen.
- 56.** A method as recited in claim 49, wherein said determining of the input data comprises determining at least one input characteristic of the one or more touch inputs which are associated with the one or more identified keys.
- 57.** A method as recited in claim 56, wherein the at least one input characteristic is pressure or speed.
- 58.** A method as recited in claim 56, wherein said method further comprises:
- processing the input data at the computing device to produce an audio output.

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