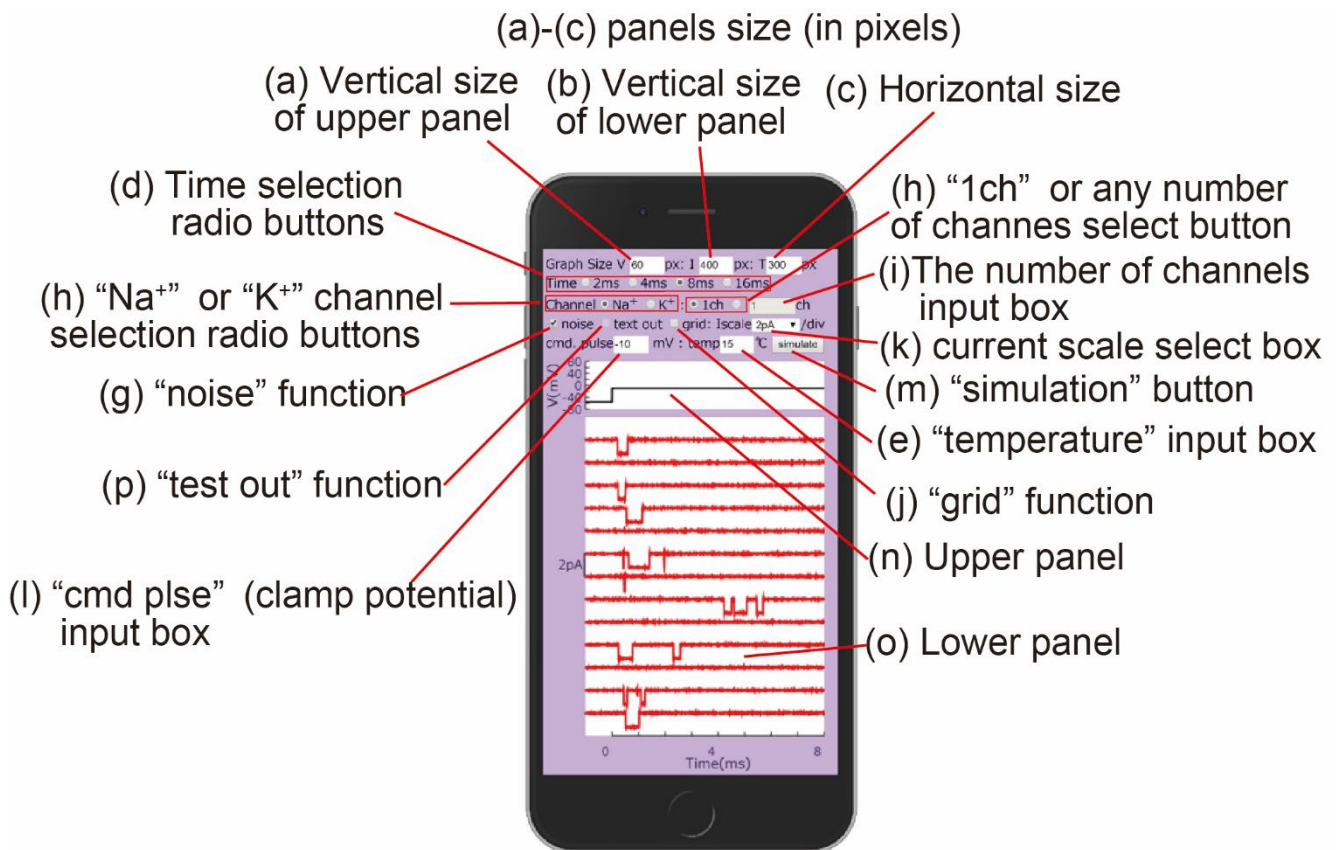


“Channel Current” simulator



- (1) Since different devices have different screen sizes, enter the size in pixels to get the appropriate panel size. Vertical size of upper panel (a). Vertical size of lower panel (b). Horizontal size of panels (c).
- (2) Select simulation time with radio buttons (d)
- (3) Enter the temperature in the "temperature" input box. (e)
- (4) Select “Na⁺” channel current or “K⁺” channel current with the radio buttons. (f)
- (5) If you want the noise to add a channel current, check the “noise” function (g).
- (6) Select 1ch (13 traces are displayed) or specify the number of channels (1 trace is displayed) with the radio buttons. (h)
- (7) If Number of Channels is selected, enter the number of channels to add in the input box (i).
- (8) If you want the panel to display a grid, check the "grid" function (j).
- (9) Select the current axis 1 scale value from the pull-down select box (k).
- (10) Enter the voltage of the "command pulse" (clamp potential) in the input box (l).
- (11) Click the "Simulation" button to run the simulation. (m)
- (12) Membrane potential is displayed in the upper panel (n) and channel current in the lower panel (o).
- (13) If you check "text out" (p) and simulate, it will be displayed in CSV format text.