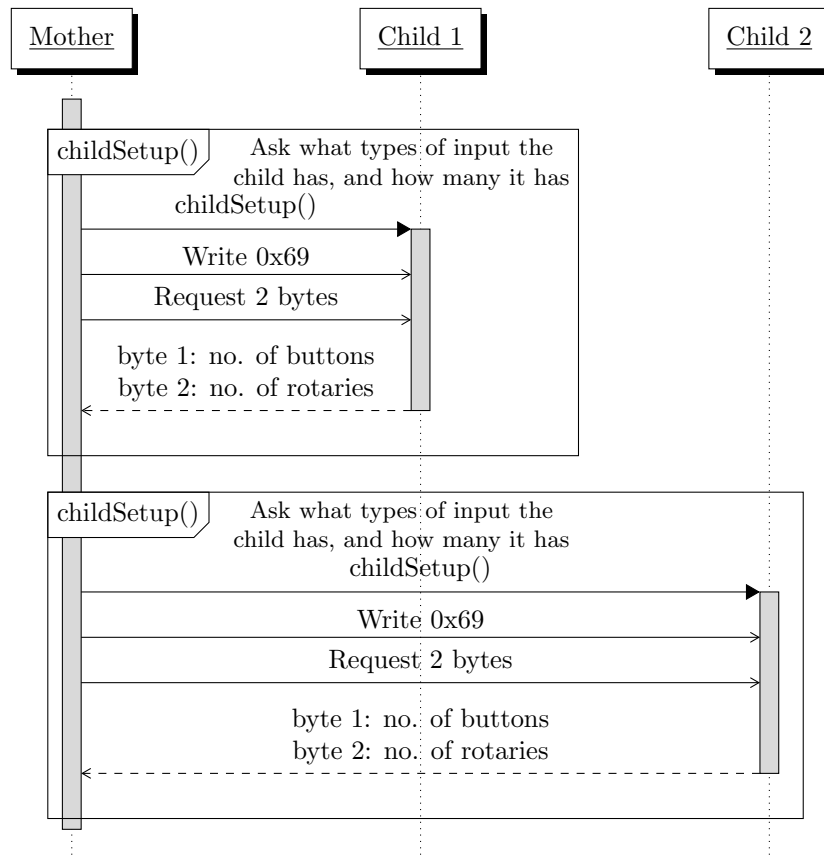
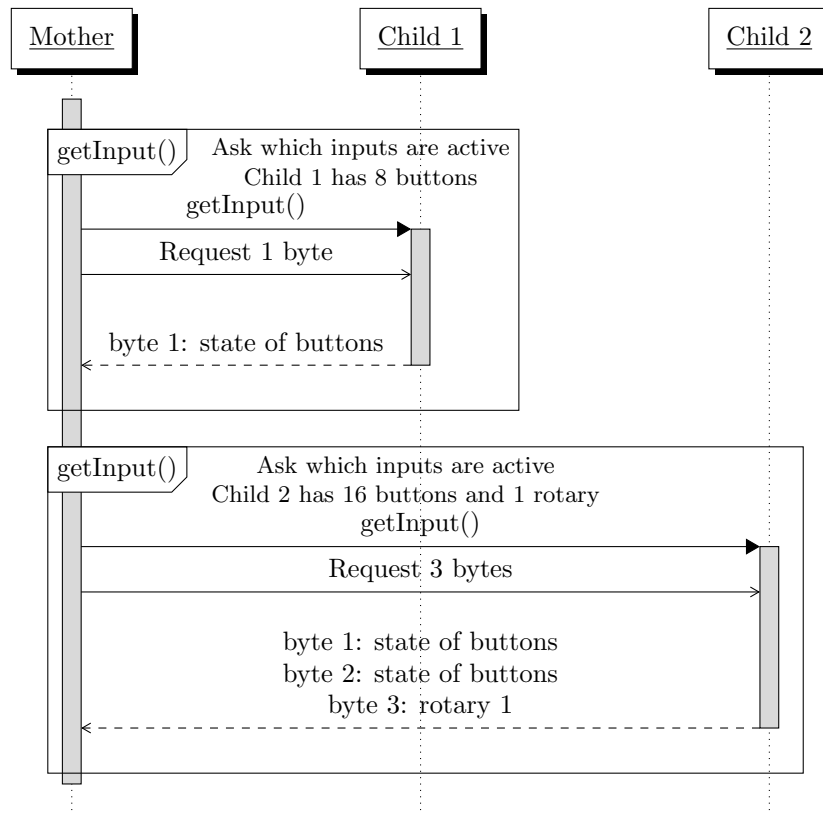


## Child Discovery Process (setup)



This process continues until all i2c addresses have been polled. Addresses are polled from low to high, with buttons allocated on the same basis. This ensures that the same boards, connected to the same host, represent the same buttons to the OS.

## Data Request Process (loop)



This process cycles through all known active i2c addresses (discovered in child discovery process). Number of bytes varies depending on number of buttons and number of rotaries - bytes 1 to x are always state of buttons, depending on how many buttons are present. buttons  $x + 1$  onward are rotaries