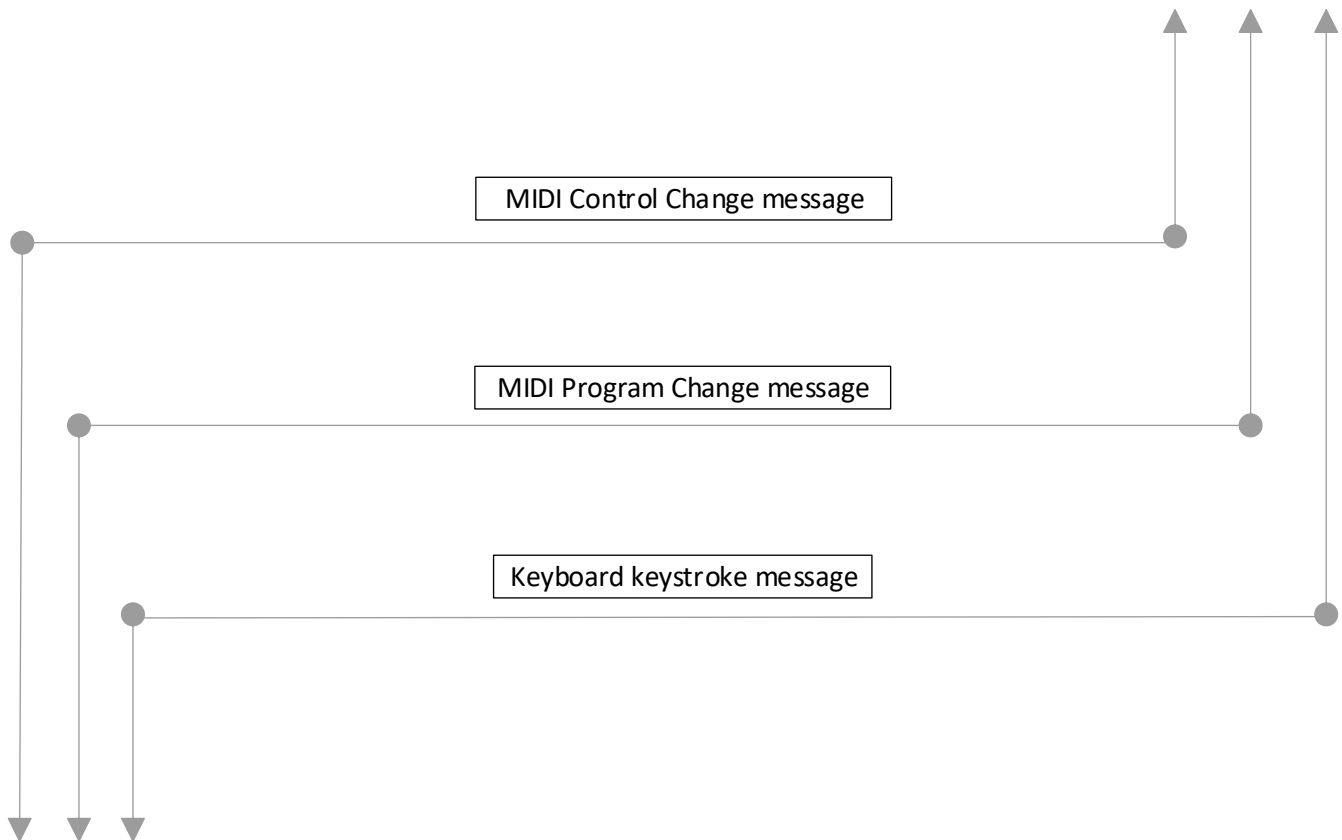


## Computer running amp sim applications



### MIDI controller:

C/C++ on Teensy 4.0, communicating with USB keyboard and USB MIDI device messages

```
// press and hold CTRL
Keyboard.set_modifier(MODIFIERKEY_CTRL);
Keyboard.send_now();

// press ALT while still holding CTRL
Keyboard.set_modifier(MODIFIERKEY_CTRL | MODIFIERKEY_ALT);
Keyboard.send_now();

// press DELETE, while CLTR and ALT still held
Keyboard.set_key1(KEY_DELETE);
Keyboard.send_now();

// release all the keys at the same instant
Keyboard.set_modifier(0);
Keyboard.set_key1(0);
Keyboard.send_now();
```

```
usbMIDI.sendNoteOn(note, velocity, channel);
usbMIDI.sendNoteOff(note, velocity, channel);
usbMIDI.sendAfterTouchPoly(note, pressure, channel);
usbMIDI.sendControlChange(control, value, channel);
usbMIDI.sendProgramChange(program, channel);
usbMIDI.sendAfterTouch(pressure, channel);
usbMIDI.sendPitchBend(value, channel);
usbMIDI.sendSysEx(length, array, hasBeginEnd);
usbMIDI.setTimeCodeQuarterFrame(index, value);
usbMIDI.sendSongPosition(beats);
usbMIDI.sendSongSelect(song);
usbMIDI.sendTuneRequest();
usbMIDI.sendRealTime(usbMIDI.Clock);
usbMIDI.sendRealTime(usbMIDI.Start);
usbMIDI.sendRealTime(usbMIDI.Continue);
usbMIDI.sendRealTime(usbMIDI.Stop);
usbMIDI.sendRealTime(usbMIDI.ActiveSensing);
usbMIDI.sendRealTime(usbMIDI.SystemReset);
```