PCI Soundcard / Audio sequencer interconnections

Planet of-tunes
www.planetoftunes.com

Electronic instruments

Microphones

MIDI controller keyboard

Mic level electrical pressure soundwave

CD, tape etc

Line level electrical pressure soundwave

XLR
Mic pre-amp in mixer or channel strip boosts signal

MIDI channel performance data

Line level electrical pressure soundwave

Mixer

Line level electrical pressure soundwave

Hardware sound module

Line level electrical pressure soundwave

PCI SOUNDCARD

Left Line level inputs Right

In MIDI ports Out

Left Line level outputs Right

Analogue to digital convertor

Digital to analogue convertor

Digital audio pulse wave

Soundcard sound module

Digital audio pulse waves

AUDIO SEQUENCER

MIDI TRACK MIDI channel performance data held in RAM until stored on disc with song
R3267 R3267 R3267 R3267 R3267 R3267

MIDI channel performance data

MIDI TRACK MIDI channel performance data held in RAM until stored on disc with song
R3267 R3267 R3267 R3267 R3267 R3267

MIDI channel performance data

MIDI TRACK MIDI channel performance data held in RAM until stored on disc with song
R3267 R3267 R3267 R3267 R3267

PLUG IN (virtual/soft synth) sound module

Digital audio pulse waves

AUDIO TRACK
Audio data recorded to and played back from hard drive