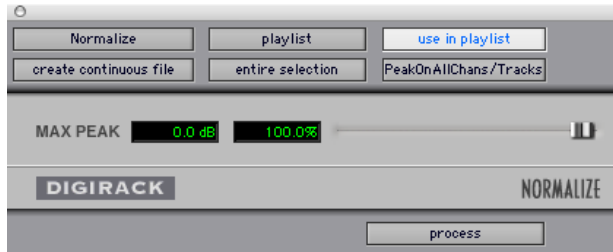


## Composition: Electronic Media I

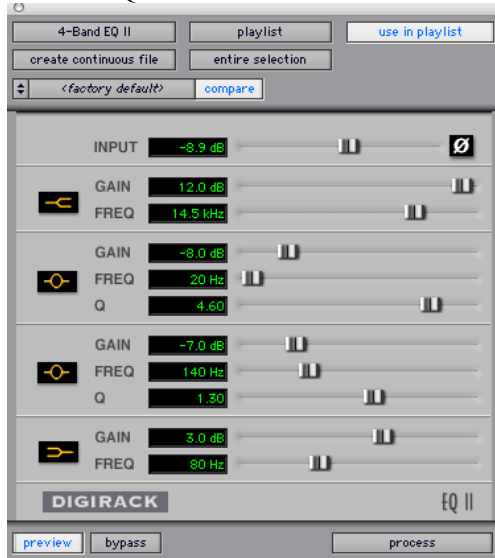
Fall 2004

### Plug-ins in Pro Tools

1. Use a plug-in to process a sound in **Pro Tools** as follows:
  - a) As discussed in class, create a new session, import a soundfile, and place the soundfile in the **edit window**.
  - b) Use the **grabber tool** to select the soundfile for processing (the **cursor tool** can be used for this, too).
  - c) Once the sound is highlighted, go to the **Audiosuite** menu and explore the plug-ins grouped in sub-menus.
  - d) Select a plug-in and select some parameters. Click "Process."
  - e) A new soundfile will be created, with the name of the process appended to the original name and track of the soundfile.
  - f) Notice that the processed soundfile appears in bold type in the **Audio Regions List**. This processed soundfile resides in "Larry.1/Audio Files." Be careful not to lose it.
2. The following plug-ins will be discussed in class:
  - a) Normalize



- b) 4-Band EQ II



c) Pitch Shift

The screenshot shows the DIGIRACK Pitch Shift plugin interface. At the top, there are buttons for "Pitch Shift", "playlist", and "use in playlist". Below these are buttons for "create continuous file", "entire selection", and "stereo mode". A dropdown menu shows "<factory default>" and a "compare" button. The main control area includes sliders for GAIN (0.00 dB), COARSE (+3 semiton), FINE (0 cents), RATIO (1.189:1), CROSSFADE (10 ms), MIN PITCH (228.1 Hz), and ACCURACY (0). There are also checkboxes for "SOUND" and "RHYTHM", and a "TIME CORRECTION" checkbox which is checked. Below this is a "Reference pitch" section with sliders for NOTE (A4), DETUNE (0.0 cents), and LEVEL (-48.0 dB). The bottom of the interface features the "DIGIRACK" logo, "PITCH SHIFT" text, and buttons for "preview", "bypass", and "process".

d) D-Verb

The screenshot shows the DIGIRACK D-Verb plugin interface. At the top, there are buttons for "D-Verb", "playlist", and "use in playlist". Below these are buttons for "create continuous file", "entire selection", and "stereo mode". A dropdown menu shows "<factory default>" and a "compare" button. The main control area includes sliders for INPUT (-4.0 dB) and MIX (100 %). There are buttons for "ALGORITHM" (Hall, Church, Plate, Room 1, Room 2, Ambient, NonLin) and "SIZE" (Small, Medium, Large). Sliders for DIFFUSION (87 %), DECAY (2.7 sec), PRE-DELAY (0 ms), HF CUT (15.10 kHz), and LP FILTER (off) are also present. The bottom of the interface features the "DIGIRACK" logo, "D-VERB" text, and buttons for "preview", "bypass", and "process".

e) Compressor

The screenshot shows the DIGIRACK Compressor II plugin interface. At the top, there are buttons for "Compressor", "playlist", and "use in playlist". Below these are buttons for "create continuous file" and "entire selection". A dropdown menu shows "<factory default>" and a "compare" button. The "side chain input" is set to "none". There are meters for "Input" (-96 to 0), "Output" (-96 to 0), and "Reduction" (-20 to 0). The main control area includes sliders for Gain (0.0 dB), Threshold (-31.0 dB), Ratio (30.0:1), Attack (11 ms), Release (50 ms), and Knee (80). There is a small graph showing the compressor's response curve. At the bottom, there are buttons for "External Key", "Key Listen", the "DIGIRACK" logo, "COMPRESSOR II" text, and buttons for "preview", "bypass", and "process".