

# Lesson 11

## Basic Plug-in Information

### Q&A

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NAME OF MENTOR(S): Take

1. What is a plug-in? (page 471) Add on software tools that provide additional signal processing functionality
2. Describe a few plug-ins and how they might be used. (page 471-512) EQ (balance), Reverb (different tone), noise reduction and pitch and time shifting.
3. Explain the difference between a HDTDM RAM card and a RTAS Plug-In. (page 277) HD uses the DSP cards of Pro Tools and RTAS uses the host computer to do the work.
4. What type of Plug In would you use to make a signal louder? (page 497) ~~BF Essential Noise Meter Dither Compressor~~
5. What is the keyboard shortcut to temporarily bypass a plug-in? (Do a search for Pro Tools keyboard shortcuts.) Right-click Command in the Zoom + Name or click the Inserts view Click Bypass Apple
6. What type of plug-in would you use to protect a speaker form overload? (page 498) A Limiter
7. What type of plug-in would you use to change the "pitch" of an audio file? Pitch Shift (page 509).

## MANDATORY SUPPLEMENTAL READING

### Lesson 11 - Your Pro Tools™ Plug Ins.

Now that you are preparing to use Pro Tools™, look more into SOME of its plug ins. Find, list, and describe 10 plug ins that will come with your Pro Tools software.

- 1) D-Verb : Reverb/Ambience Plug-in
- 2) D-Fi : Analog and Retro Processing in the Digital Domain
- 3) Echo Farm : Vintage Echo Plug-in for Pro Tools
- 4) Focusrite d2/d3 : High-quality, Multi-band EQ and Compressor/Limiter Plug-in Bundle
- 5) HEAT : Analog Warmth and Color Emulation for Pro Tools | HD
- 6) Impact : Console-Style Mix Bus Compression
- 7) Mangerfonger Bundle : Authentic analog emulations combining audio effects with vintage synth modules
- 8) TL Every Phase : Analog Phaser Effects for Pro Tools
- 9) TL Utilities : Professional marking, metronome, and instrument tuning for Pro-Tools
- 10) X-Form : X-Form represents the pinnacle of time compression/expansion and pitch-shifting technology

# NOTES:

Plug-ins are add on software tools developed by Avid that provide additional signal processing functionality to Pro-Tools systems

Some plug-ins emulate the sonic characteristics of hardware processors, amplifiers, or mics. Others give you power and flexibility that is unique to the world of computer based digital audio

Pro-Tools plug-ins are available in 3 formats: TDM, Real-Time Audio Suite (RTAS), and Audio Suite

TDM plug-ins are uniquely powerful because they use the dedicated hardware found on the DSP cards of Pro-Tools HD and VENUE systems rather than the limited resources of the host computer

TDM plug-ins have much more power than what is available in any competing system

RTAS plug-ins are host based relying on the hosts computer's processing power to process audio in real time

The number and variety of RTAS plug-ins you can use is dependent on other host dependent factors

Audio Suite plug-ins employ file based processing. Depending on how you configure a non real time Audio Suite plug-in, it will either create an entirely new audio file or alter the original source audio file with the processing included

(They are also useful for conserving DSP power)

With Pro-Tools 7 software come over 50 plug-ins

The 1st plug-in from Avid's Advanced Instrument Research group Xpand! is a powerful instrument plug-in that puts more than 1,000 professional sounds at your fingertips

The Free Bomb Factory plug-ins offer powerful effects and utilities from the some of the best digital emulations of classic analog processors in the industry

Along with a wealth of professional plug-ins, virtual instruments, compatible applications, and sounds Pro Tools Ignition Pack 2/Pro Tools Ignition Pack 2 Pro also includes artist promotion services

DigiRaek plug-ins offer a wide variety of professional real time and file based effects