

Diamond Cut Productions, Inc. Application Notes AN-27

DCArt10.75x and DCForensics10.75x Feature Listing from the product's User's Guide

A good way to provide the comprehensive list of all of the features is by way of the User's Guide Index which is presented here.

This shows all of the features in the DCArt10.75x and DCForensics10.75x software products. This is the superset listing of both mentioned products shown in alpha-numeric order. It should be helpful in identifying if these product address your needs.

- %THD, 439
- .aif, 94
- .asf files, 91
- .avi files, 91
- .bak, 103
- .csv
 - Formants Export, 382
- .cue, 110
 - export this format, 112
 - import this format, 110
- .flac
 - FLAC, 86
- .ini files**
 - definition, 581
- .m3u
 - export this format, 112
 - import this format, 110
- .mov
 - audio extraction, 91
- .MP3, 115
- .mp4
 - video extraction, 91
- .mpeg
 - .mpeg files, 91
- .mpg
 - .mpg files, 91
- .ogg, 94
- .pdf format**
 - printable documentation, 561
- .pkf, 471
- .pkf files**
 - definition, 587
- .pls
 - export this format, 112
- .pst
 - preset file extension, 177
- .sami
 - video format, 91

.ses files, 458

.smi
video file format extension, 91

.spt, 447

.txt, 94
Formants Export, 382
Save As, 94

.wav file, 36

.wls
import this format, 110

.WMA File Encoding, 112

.wma File Format
definition, 598

.xml
DCTune file extension, 102

.zip
presets, 178

“Gong” sound
CD Burn Complete, 426

“Q” point, 293

10 Band Graphic Equalizer, 258

12AT7, 298

12AU7, 298

12AX7, 294, 298

2.5 mm
phone plug, 640

20 Band Graphic Equalizer, 260

2A3, 299

2SK-175 MOSFET, 301

3 Band Equalizer, 266

3.5 mm
audio jack, 640

30 Band Graphic Equalizer, 261

32,000 Band Graphic Equalizer,
352

5881, 299

6267 / EF86, 301

6EJ7, 299

6L6GC, 299

90 degree
phase shifted channels, 454

A above Middle C Frequencies
over time, 627

About Dcart, 476

About DC-Art
about your software, 476

Accelerators, 601

acetate, 484

Acetate Tape, 484

acetone, 519

Acknowledgements
Credits, 4

acoustic feedback, 541

Acoustical Impedance
definition, 564

Acoustical Reactance
definition, 565

Acoustical Resistance
definition, 565

acoustically mastered, 271

Acoustically Mastered
definition, 565

A-D Converter
definition, 565

Adaptation Speed, 343

adaptive
Auto Voice Filter, 407

adaptive equalizer, 353

Adaptive Frequency Domain
Filter, 226

ADPCM, 565

AES, 565
LP EQ Curve, 272

AGC, 306

AGC or ALC
definition, 565

Aiff, 87

AIFF
definition, 565

Aircheck 1933 Demo

wave file, 479
airplane engine
speed measurement, 371

A-law Compression, 565

Album

DCTune Library, 101

ALC, 306

alcohol, 519

algorithm, 528

Algorithm

definition, 566

Aliasing

definition, 565

Aliasing artifacts, 227

Alternate FFT

Preference, 171

ambience, 309

ambient sound, 367

American 78's, 271

Ampere

definition, 566

Amphenol, 638

amplifier, 29

Amplifier

definition, 566

amplify

a signal, 143

amplitude, 36

Amplitude

definition, 566

Amplitude Modulation (AM)

definition, 566

Amplitude-Frequency

Distortion

definition, 566

Analog

definition, 566

Analog Noise Filter, 233

Analog Tape Hiss, 486

Analog tape recording, 483

Append to End, 130

APPLICATION LIMITATION

Product Usage, 685

Application Look

user choice, 466

Application Notes, 600

Archival Recording, 488

archive, 100

ARCHIVE

User Information, 685

Aromatic

definition, 566

Aromatic solvents, 519

Arrange Icons, 472

articulation, 366

Artifact Suppression Mode,

221

Artist

DCTune Library, 101

Attack Time, 219, 346

Attenuate, 566

Attenuation chart, 619

attenuator, 619

audible enunciator, 172

Audible Wave Analyzer, 542

Audio Connection Standards,

638

Audio Extraction, 90

Audio Frequency Spectrum,

624

definition, 567

Auto EQ, 352

Auto Leveling, 183

Auto Sample, 358

Auto Spectrum

auto spectrum CNF, 217

Auto Spectrum CNF Mode, 216,

224

Auto Voice Filter

forensic, 407

automatic De-Clipping, 496
automatic equalizer, 352
Automatic Level Control, 306
Available Hard Drive Space,
471
Available Recording Time, 152
Average Angle, 451
averaged vector displacement
angle, 449
Averaging Filter, 255
azimuth, 449
Azimuth
definition, 567
Azimuth Correction, 281
Background Tasks, 34
Backup First, 518
Balance control, 268
Band Pass Filter, 241
Band-pass Filter
definition, 567
Band-stop Filter
definition, 567
Bar Graphs, 202
bass, 258
Bass
Tone Control, VPA, 268
Batch File Editor, 179, 183
(multifilter), 179
BBS, 601
BCF
Big Click Filter, 213
beam power pentode, 299
Berliner, 567
definition, 567
Bessel, 439, 448
Big Click Filter, 213
bi-modal interpolation
time & frequency domain, 132
binaural, 342
bit depth conversion, 166
Bit Rate, 470
Blackman, 436
Blast
definition, 567
bleep
tone, 137
blend control, 310
Blend to Mono, 518
Blue Amberol, 524
definition, 567
Box Zooming
with rectangle, 463
brass instrument, 202
Brick Wall Filter, 348
brilliance, 328
Broadcast .wav
supported format, 86
Broadcast Wave
definition, 567
file header editing, 146
Brown Noise, 160
definition, 568
Buffer
definition, 568
Buffers, 171
bug fixes, 15
Build Statistics
Forensics Waveform, 376
Burn Options, 426
Butterworth, 241
Butterworth Filter, 568
Buzz, 568
BWF
Broadcast Wave, 146
definition, 567
Bypass, 49
Byte
definition, 568
Cables
and connectors, 638

cadence, 318

Calibration

digital audio system, 508

Forensics Workstations, 508

Cancel, 50

Cannon

connector, 277

Capacitance

definition, 568

capstan, 317

cascade

filters in Multifilter, 188

Cascade, 472

Cassette, 486

Cassette Tape Equalization

Time Constants

definitions, 569

CBR, 174

CD burner, 426

CD Player

DCTune Library, 114

CD Prep Menu, 420

CD Ripper, 115

CDDB Lookup

cd database lookup, 116

CDDB Setup, 174

CDMA Phones, 502

CDR Prep, 490

cell phone noise, 502

Cent

definition, 569

Cents

Overtone synthesizer, 327

subharmonic synthesizer, 325,
327

cepstrum

Voice ID, 380

Cepstrum (Complex)

definition, 569

Cepstrum (Power)

definition, 569

Ceramic Phono Cartridges, 31

Chain of Custody

Forensics Recordings, 504

Change Resolution, 165

Change Sample Rate, 165

Change Speed, 315

channel balance, 277

Channel Blender, 307

Channel Phase vs Time

graph, 410, 450

Channels, 150

Charge

definition, 569

Charts, 600

Chebyshev Filter, 569

Check

for updates, 476

Check for Updates

software updates, 476

Chimes, 172

preference, 172

chirp Z transforms, 441

Chirp Z-Transform

definition, 569

Choosing between Classic and

Fast Editing mode, 39

Chop File into Pieces, 421

Chroma/Intensity Modulation,

364

cine, 361

Class AB, 570

class-A, 299

Classic Editing mode, 423

Classic mode, 550

Classification of Amplifiers,

569

Clean Display, 172

clear

Multifilter Signal Path, 192

Clear All Markers, 418

Clear Button, 432

Clicks, 199

clip indicator

VU Meter, 456

Clip Level

De-Clipper, 396

clipping

forced, 424

Clipping, 570

Clone Source, 121

Close All, 472

Close Source, 114

closed form

VPA Math Method, 265

CMRR

definition, 570

CNF, 215

Continuous Noise Filter, 215

Co-Axial Cable

definition, 570

co-axial cables, 515

cockpit voice recorder

400 Hz Generator Noise, 371

Codec

definition, 571

coherence

between signals, 411

Color Palette, 365

Columbia, 521

Columbia LP curve, 270

Columbia LP Equalization

Curve

definition, 571

comb, 230

Comb Filter, 498

definition, 571

Common Mode Rejection

Ratio

definition, 570

Compact Disc, 569

Compannder

dynamic bass processor, 333

Compannder Mode

dynamic bass processor, 335

Comparative Histogram

Forensics, 387

complex cepstrum

Voice ID, 380

Compressor, 304, 311

definition, 571

Concatenate File, 183

Connectors

Audio (pinouts), 638

Audio Connectors, 638

constant velocity, 514

Contact Information, 564

Context Sensitive Help, 474

Continuous Noise, 213, 215

Filter, 215

Continuous Playback Mode

DCTune Library, 108

Control Points, 54

Convergence, 343

Conversion Quality, 165

Copy, 126

Copy and Paste, 127

Copyright, 3, 476

Corner Frequency, 571

corrupted .wav file headers

edit/repair, 146

Coulombs

definition, 569

covert military

surveillance - flashback, 193

CPS

definition, 579

Crackle, 199, 201

definition, 571

create .mp3s, 94

Crest Factor

definition, 571

Cross Fade, 284

Crossfade, 135

Cross-fade, 284

crossover distortion

definition, 585

crossover frequency, 355

Crosstalk

definition, 572

CSV Files

Save As, 94

CUE

export file format, 112

Import File Format, 110

cue words, 366

voice print, 366

Current System Status, 152

cursor, 155

curvilinear, 316

Custom Sample Rate, 151

customize

keyboard accelerators, 603

Cut, 129

cut vinyl masters

with RIAA curve, 276

cylinder, 489

D-A Converter

definition, 573

Dampening Factor

pwr amps & low freq drivers,
572

DAO, 426

D'Arsonval

VU Meter, 170

DAT, 32, 578

Data Disk Burner, 96

database, 100

dB (decibel)

definition, 572

db/Octave, 529

dBm

definition, 572

dBu

definition, 572

dBv

definition, 572

DC Offset, 573

DC Tune Library, 100

DCArt

Diamond Cut Audio

Restoration Tools, 15

DC-Art

definition, 573

DCAT-3 Audio Test CD Set, 681

DC-Offset

High Pass Filter, 248

DDD, 292

decay, 304

Decibels, 621

Chart, 620

decimation, 441

Decimation, 368

De-click, 60

Declicking, 494, 495

DeClipper, 394

De-Crackling, 254

De-Emphasis

definition, 573

deep bass, 325

De-Ess

definition, 573

De-Esser, 305, 306

definition, 573

delay lines, 289

delay time, 304

Delete All Filters

from Multifilter, 192

Delete All Temp Files, 143

delete filters

- multifilter, 194
- Deleting Wave files, 122
- demo, 473
- demo .wav file
 - Forensics version, 560
- demo .wav files
 - location, 477
- Demo .wav Files, 477, 478
- Demo Files
 - Quick Access, 95
- demo1.wav
 - getting started example, 39
- Destination window, 64
- detail control, 295
- Development Timeline, 674
- de-verb
 - reverb reduction, 303
 - reverberation reduction, 407
- Device I/O Selection, 155
- dial presence, 311
- Dial Tone Phone Frequency
 - Chart, 643
- Diamond Cut Productions, 573
- Diamond Cut Productions, Inc
 - Home Page, 601
- Diamond Cut Productions, Inc.**
 - definition, 573
- Diamond Discs**, 573
 - definition, 573
- Differentiator**
 - definition, 573
- Digital Rights Management, 101
- DIN, 639
- Direct X**
 - version running on system, 558
- DirectX Filters, 194
- DirectX Sound**
 - error, 556
- Disc At Once**, 426

- Disc Space Consumption**, 627
- Disguised Voice Effect, 321
- Display Colors, 172
- Display Controls**, 362
- Display Frequency Labels**, 365
- Display Frequency Range**, 365
- Display Mode**, 431
- Display Preferences, 172
- Display Time Format, 172
 - preference, 172
- Display X-Axis, 172
- Display Y-Axis Amplitude
 - preference, 173
- Distortion, 437
 - definition, 573
- Distortion Analyzer, 437
- Dither, 166, 574
- Doppler effects
 - measurement and logging, 372
- double precision floating point
 - math, 20
- Double-Ended Noise Reduction**
 - definition, 574
- Drive**, 574
 - definition, 574
- Drive & Directory, 168
- DRM, 86
 - Digital Rights Management, 86
- Drop A Marker, 418
- drop marker, 418
- Dry, 290
 - definition, 574
- dry run**, 520
- DSS™, 398
- DTMF**
 - definition, 574
- DTMF(touch tone) signals, 497
- Dual Waveform Display**, 432
- DUT

Device Under Test, 440
dwell-time, 288
DXing
 Short Wave Radio, 190
Dyna-Bass
 demo file & preset, 480
 effect, 331
Dynamic Bass Processor
 filter, 331
Dynamic Filter
 definition, 574
**Dynamic Inter-modulation
Distortion)**
 definition, 573
Dynamic Noise Filter, 233
dynamic range, 302
Dynamic Range
 Chart, 623
 definition, 574
Dynamic Rumble (Only) Filter
 CNF Preset, 229
Dynamic Spectral Subtraction™,
 398
Dynamics Processor, 302
 definition, 574
Ear
 definition, 575
Early Columbia LP's, 270
ECC83, 298
Echo, 289
echo chamber, 289
Echo Effect, 289
echoes
 reduction, 303
Edison Lateral Series, 679
Edison, Thomas Alva
 definition, 575
Edit History, 169
Edit Menu, 125
Edit Mode Switch

 Classic or Fast Edit, 34
educational
 programs, 561
EF183, 299
Effects Menu, 287
Electrical Recording
 definition, 575
electromagnetic field, 512
Electron Tube, 575
Electron Tubes
 common audio types, 647
Elliptical Stylus
 definition, 575
ENF
 Electric Network Frequency,
 500
Engineering
 definition, 575
Envelope
 definition, 575
EQ Matching, 353
Equalization chart for LP
 records, 630
equalization curves, 265
Equalizers
 location, 257
equal-tempered scale, 160
 musical, 160
European 78's, 271
Exciter, 294
Exciter Control, 331
Expanded File Conversion
 (Large Size File Conversion),
 89
Expander, 302, 311
 definition, 575
Expert Impulse filter, 199
Expert Impulse Noise, 204
explosions
 detection, 373

Exponential, 324
Export
 playlists, 111
Exporting a preset
 presets manager, 179
Extended Recording, 153
extended support
 Forensics version, 562
EZ Clean Filter, 184
EZ Enhancer, 330
EZ Forensics Filter™, 339
EZ Impulse Noise, 199
factory presets
 starting points, 19
Fade In, 140
Fade Out, 141
FAQs
 Frequently Asked Questions,
 547
Fast Edit History, 457
Fast Forward, 148
Fast-Edit (single file editing
 mode) mode, 34
Fat Bass, 296
feedback, 248
Feedback, 290
feedback control, 291
feed-through
 real-time, 188
FFRR, 576
 LP EQ Curve, 272
FFT, 218
FFT analyzer, 441
FFT Size (Resolution), 223
**FFT Size(number of Frequency
 Bands)**, 357
FIFO, 576
File Conversion, 277
file formats
 supported formats, 94

file header
 editing, 144
File Info, 471
File Menu, 86
file name
 max number of characters, 560
File Naming, 422
file paths, 561
 Forensics8, 561
File Properties
 edit menu, 144
File Split and Recombine, 176
Filter Co-efficients, 344
Filter Finder, 80
filter frequency, 544
Filter Length, 343
Filter Menu, 179
Filter Slopes, 243
Filter Sweeper, 322
Find and Mark
 Silent Passages, 422
Find and Mark Silent Passages,
 422
FIR, 348
FIR (Finite Impulse Response)
 definition, 576
Firewire
 Ripping to, 117
FLAC
 definition, 576
 Lossless Compression, 545
Flashback, 193
 memory, 193
flat phono pre-amp, 266
flat phono preamplifier, 266
Flat Spectrum
 dither, 166
Fletcher-, 576, 578, 586
Fletcher-Munson, 576
Flutter, 576

- definition, 576
- FM stereo, 309
- font size, 124
- Forensic Tape Authentication, 498
- ForensicDemo.wav**
 - description of file, 481
- Forensics AFDF, 226
- Forensics AFDF Mode, 216
- Forensics Audio Laboratories
 - Security and Practices, 502
- Forensics Demo
 - Basic Demo Demonstration, 417
 - multifilter preset, 417
- Forensics Demo Clean-up, 560
- Forensics Demo Clean-up Filter
 - Multifilter Preset, 417
- Forensics Menu, 337
- Forensics software**
 - training courses, 562
- Forensics Toolbar**, 337
- formants
 - vocal, 366
 - Voice ID, 380
- Formants**
 - definition, 577
- Forum, 601
- Fourier Transform**
 - definition, 577
- Fractional Speed
 - Chart, 635
- Fractional Speed Mastering**
 - definition, 576
- Free Disk Space**, 152
- Freeze button**, 343
- Frequency Axis Selector**, 364
- frequency bands, 435
- frequency bins, 446

- frequency domain interpolation, 132
- Frequency Labels**, 365
- Frequency Modulation (FM)**
 - definition, 576
- Frequency Resolution of Spectrum Analyzer**, 433
- frequency response, 485
 - Voice ID, 380
- Frequency Response**
 - definition, 576
- Frequency Tracker
 - Forensics, Spectral, 371
- full duplex, 577
 - real time feedthrough, 188
- Full-Duplex**
 - definition, 577
- Function Finder Table, 605
- function generator, 159
- fundamental frequency
 - pertaining to subharmonics, 230, 232, 324, 327, 578, 586, 594
 - relating to overtones, 327
- fuzz box, 292
- gain**
 - control, 284
- Gain**
 - definition, 577
- Gain and Balance**, 527
- Gain Change, 143
- Gain Change feature, 143
- gain control, 37
- Gain Normalize, 423
- Gain Riding, 508
- Gamma Scaling
 - Spectrogram, 364
- Gang**
 - Amplitude controls, 284
 - garbled voice recordings, 254

General Information, 564

Generational Loss

definition, 578

Genre

DCTune Library, 101

German, 650

Getting Started

step by step guide, 44

Getting Started Demo

Demo1.wav, 39

wavfile, 39

Glossary, 564

gong

disc burn complete, 100

Graphic Equalizer, 258

definition, 578

Graphs

technical graphs, 600

Grayscale, 365

Green Zones

filters or effects, 19

slider controls, 18

Grey Noise

from white noise conversion,
165

Greyed out items, 86

grit

guitar effect, 292

Ground Loop

definition, 578

ground loops, 513

GSM

Cell Phone Noise Filter, 405

GSM Cell Phone Noise, 501

Half Speed Re-Mastering, 526

Hamming, 436

Hams, 66

Hanning, 436

Hardware Connections, 29

Harmonic Distortion, 163

definition, 578

Harmonic Exciter

definition, 578

Harmonic Exciter Mode, 294

Harmonic Number, 231

Harmonic Reject, 230

Harmonic Reject filter, 230

Harmonic Reject Filter

definition, 579

Harmonics

definition, 578

hash

cryptographic, 377

hearing

ability, 575

Helmholtz Resonator

definition, 579

Help Menu, 473

Hertz, 228

definition, 579

Heterodyne

definition, 579

Heterodyning, 81

hexadecanoic acid, 520

Hi Noise Mode

VVA, 297

High Pass Filter, 245

High Precision Spectrum

Analyzer, 441

Highlight, 229

High-pass Filter

definition, 579

hill and dale, 280

Hill and Dale

definition, 579

Hind Quaternion, 208

Hiss, 579

Hiss Control, 186

hissy – sibilant sounds, 327

Histogram

- Comparative, 387
- vs Time, 385
- Histogram vs. Time
 - view, 384
- histograph
 - or histogram, 384
- History, 672
- host
 - VST Plug-ins, 194
- Hot Key Index, 601
- How To Do Just About Anything, 477
- Hum**
 - definition, 579
- Hum Selector, 186
- Human Hearing Frequency Response vs. Age, 625
- Human Voice Frequency Range**
 - definition, 579
- HVAC, 324
 - noise reduction, 332
- I/O**
 - definition, 581
- ID3V2 mp3 tags, 117
- Ignition Noise / Static, 82
- IIR**, 580
- IIR Checkbox
 - Harmonic Reject, 231
- IM Distortion
 - Inter-Modulation, 221
 - Inter-Modulation Distortion, 221
- Impedance**
 - definition, 580
- Import Playlists, 114
- Importing a preset
 - preset manager, 179
- Impulse**
 - definition, 580

- Impulse Noise filters, 199
- Impulse Noise Generation, 510
- In-band**, 337
- inches per second, 486
- incoherent
 - make waves noise, 160
- Inductance**
 - definition, 580
- Inertia**
 - definition, 581
- inflection points, 220
- Input Device, 493
- Insert at Start, 130
- Installing
 - the software, 14
- instant playback
 - flashback mode, 193
- instant replay
 - flashback mode, 193
- instant review
 - flashback mode, 193
- Instantaneous Sound Recordings**
 - definition, 581
- instantaneous vector angle, 449
- Integrator (∫)**
 - definition, 581
- Intelligibility of
 - Forensicsrecordings, 283
- Inter-modulation (Distortion)**
 - definition, 581
- intermodulation distortion, 221
- Inverse Palette**
 - Spectrogram, 365
- Invert, 291
- Invert Phase**
 - Channel Blender, 311
- iPhone
 - Audio jack pinout, 640
- IPS**, 581

James-Baxandell
 Tone Controls, 257
Jitter Correction, 119
jittery
 display or cursor, 558
Jukebox, 342
Kaiser, 447
Kaiser-Bessel, 447
keep residue, 343
Keyboard accelerators, 601
kHz (kilo Hertz)
 definition, 582
knowledge base, 563
kOhms
 definition, 582
KT-66, 299
L/R buttons, 176
Lab Computer Installation
 Forensics, 27
Landscape
 printer, 124
laptops, 32
Large File Conversion to .wav
 Expanded File Conversion, 89
laser diode, 98
 data disc burner, 98
latency, 191
 minimize in Live Preview
 Mode, 192
Latency
 definition, 582
lateral cut, 279
Lateral Cut
 definition, 582
Launch
 definition, 582
leaky, 342
Least Significant Bit (LSB)
 definition, 582
License Agreement, 684

LIMITED WARRANTY, 685
limiter, 304
Limiter
 definition, 582
line frequency, 499
Line Level, 29
Line Level Signal
 definition, 582
Lissajous, 582
Lissajous figures, 452
listen
 while recording, 192
Live Mode, 65
Live Preview, 190
 Multifilter, 188
Live Preview Mode latency
 minimization, 192
load capacitance, 516
Lobe Width, 435
Log to Disk, 192
logarithmic, 533
Loop Play, 147
Loudness
 definition, 582
Loudness Contours, 264
Low Pass Filter, 237
Low-pass Filter
 definition, 582
LP, 279
LP Equalization
 Chart, 632
 Chart (by label), 630
M3U
 export file format, 112
 Import File Format, 110
magnetic phono cartridge, 489
Magnetic Phono Cartridge
 definition, 583
Make Destination the Source,
 121

Make Noise
 of various colors, 159
Make Waves, 159
Male Vocal Discriminator
 subharmonic synthesizer, 326
Manage Presets
 Preset Manager, 176
Manual De-Clicking, 128
*Manual De-Clicking with Paste
 Interpolate*, 131
Manual Splitting, 540
Marker Reaction Time, 170
Markers, 418
masked, 62
masking, 323
Matched Filter
 algorithm, 406
maximum file name
 number of characters, 560
Maximum Harmonic
 Harmonic Reject, 231
Mbyte
 definition, 583
Measurement Table, 616
Median
 definition, 583
Median Filter, 251
Mem (Memory) Button, 447
mHz, 163
microcassette recorders
 potential edits, 374
Microcassette Tape Start-Stop
 Detector, 500
microphone
 connection(s), 32
 microphone pre-amp, 516
Mids
 Tone Control, VPA, 268
millihertz, 163
Milliseconds

 definition, 583
Mils
 definition, 583
Minimum Duration, 150
Mix control, 295
Mixing two audio files, 134
MME, 171
Modulation
 definition, 583
Mono Mode
 DCTunes, 109
Monophonic, 583
MOSFET, 301
MP3 decoder, 88
Mp3 Encoder, 114
MP3 Encoder
 MP3 encoder setup, 173
Mu (μ)
 definition, 583
muddiness, 245
muddy bass, 307
muffled conversations, 350
muffled forensics recordings
 Overtone Synthesizer, 327
Mu-law (μ -law) Compression
 Mu-Law Compression, 584
MultiFilter, 187
Multi-path distortion, 307
Multi-path Distortion
 definition, 584
multiple instances
 running at same time, 548
multiple notch, 230
Multiple Notch Filter
 definition, 584
Multiplex Noise, 81
Music
 Diamond Cut Releases, 679
Musical Scale, 626
 definition, 584

Mute, 138
Mylar and Polyester backed
Tape, 485
NAB
LP EQ Curve, 272
NAB Equalization Curve
definition, 584
Narrow band mode, 414
Narrow Crackle Filter, 212
Navigator
record restoration, 70
NCF
Narrow Crackle Filter, 212
negative feedback, 299
Neper (Napier) (Np)
definition, 585
NIST
Measurement Standards, 508
Noise
definition, 585
Noise Distributions
chart, 647
Noise Gate, 303
definition, 585
Noise Print, 228
noise threshold, 228
Noisegraph®, 186
noiseprint, 217
Nomenclature
software products, 683
non-linearity, 293
Normalized Gain Scaling, 424
Normalized Least Mean Squared,
344
Notch Distortion
definition, 585
Notch Filter, 248
definition, 585
Notice
restriction of use, 3

NOTIFICATIONS
updates & upgrades, 686
NUDGE
Hotkeys, 603
Nudge Size, 169
Octave
definition, 585
Offset
definition, 585
Ogg Vorbis, 86
definition, 597
Ogg Vorbis tags, 544
Ohm (Ω)
definition, 585
Ohms Law
definition, 585
Online Knowledge Base
Diamond Cut Productions,
Inc., 475
Open Destination, 120
Open Source, 86
Operating Modes, 34
Operating point, 294
Operating Point, 293
Operating System
preferred, 24
Optimal Power Calibration
CD Burner Laser, 427
opt-out
email notifications, 686
OSHA Noise Standards, 441
out-of-band noise, 242
output level, 293
Output Mix, 290
overdriven, 144
overdriving
normalized gain scaling, 424
Overlap, 223
Overlap %, 225
overload indicator, 259

Over-modulation

definition, 585

Overtone Synthesizer, 327

Overtones

definition, 586

P48

definition, 586

Paper Backed Tape, 484

Paragraphic Equalizer, 262

definition, 586

parametric equalizer, 492

paragraphic EQ, 262

Parametric Equalizer

definition, 586

Paste, 130

Paste As A New File, 136

Paste Bleep

(440 Hz Tone), 137

Paste Crossfade, 135

Paste Insert, 134

Paste Interpolate, 131

Paste Over, 133

Paste Silence, 137

Patches, 601

Pathe, 280

Pathé

definition, 586

Pattern Matching

algorithm, 406

Pausing and Resuming Playback,

155

Peak files, 471

Peak Hold, 457

peaking filters

(resonant), 264

Pencil, 137

Pencil Tool, 138

Pentium 4

Intel, 24

Pentode, 299

definition, 586

Phantom Microphone Power

definition, 586

phase controlled

light dimmer interference, 550

Phase Inversion, 283

definition, 586

phase inverter, 299

phase jitter, 449

phase vs time

discontinuities, 411

Phase vs Time

graphical plot, 410

phasing, 515

Phon

definition, 586

Phono Cartridge

Wiring Standard, 640

phonograph

Stroboscope Chart, 636

ping-pong, 307

Pink Noise, 160

definition, 587

Pitch Shift, 319

Pitch Shift Mode, 320

plate, 575

Play, 154

play CDs, 114

Play Looped, 156

Play+n, 147

Playback Controls, 146

Playlist, 109

Playlists, 107

PLS

export file format, 112

Point, Click and Measure, 448

pole-zero

pair, 264

Pop Screen

microphone, 558

Pops, 199
Portrait
 printer, 124
Power
 definition, 587
Power Amplifier, 587
Power Cepstrum
 definition, 588
Power Spectrum
 energy, 437
 preamplifier, 294
Pre-Amplifier
 definition, 588
Pre-Emphasis
 definition, 588
 Voice ID, 382
Preferences, 167
Preserve Original, 421
Preset Listings, 656
Preset Manager, 177
Presets, 177
 definition, 588
Presets Sharing Forum, 601
preview
 stop preview, 46
Preview Buffers, 551
 Soundcard Preference, 171
Preview Buffers (2 to 50), 171
Preview Button
 toggle switch, 160
Preview function, 244
Preview Mode, 246
Print, 122
Print Preview, 123
Print Setup, 123
Printable Documentation
 .pdf, 561
Printing A Screenshot, 123
Product Development Timeline,
 674

Product Model Number
 Nomenclature, 683
product updates, 15
propagation delay, 511
Proprietary Notice
 intellectual property, 3
 proxy computer
 forensics installation, 27
Punch and Crunch, 311
Pure Tones, 588
push-pull, 298
Q
 definition, 588
Quality Assurance
 for Forensics Audio Labs, 508
quantization errors
 minimization thereof, 189
Quantize, 420
Quantize for CD Audio, 420
Quefrency
 definition, 588
Quiescent Point
 definition, 588
**RAM (Random Access
Memory)**
 definition, 589
Random Impulse
 Random Impulse Generation,
 510
 random Noise, 436
 Random Noise
 Color, 162, 647
 random phase
 make waves noise generator,
 160
Range (dB), 357
 rasterization, 122
 RC coupled, 298
RCA, 638
 real time, 24

Real Time

definition, 589

Real Time Analyzer, 589

real time feedthrough

Live mode - Multifilter, 188

Rebuild Peak File, 471

record speed, 591

Record Speed

Chart, 635

Record Styli

Chart, 634

Recorded telephone

conversations, 535

Recording Audio, 149

Recording Device, 149**Recording Level Meters**, 149

recording monitors

output during recording, 192

Recording Resolution, 151

Rectangular

Window, 435

Rectangular Windowing, 436

Rectified Voltage

definition, 589

Red Book Audio CD's, 115

Red Noise

generation, 165

redact

bleep out, 137

Reference Signal, 343

registration code, 14

Registration Code

(finding it in software), 476

Re-Initialize on Play

Soundcard Preference, 171

Release Time, 219, 347

Remove Silence

forensics tool, 393

Removing a lead vocal, 517

Re-Number Markers, 419

repeated playing

DCTune Library, 108

repetitive noise, 337

replay

instant, 193

Reporting a Problem, 563

Residue

definition, 589

Resistor (Resistance)

definition, 589

Resistor Color Code, 621

Resolution, 589**Resolution Chart**, 434

resolution conversion, 165

resonance, 514

Resonance (Electrical)

definition, 589

resonant filter

(peaking), 264

Restore Defaults

Voice ID, 381

Restoring an old 78 rpm

recording, 518

Restoring the Demo, 473

Reverb, 287

reverberation

reduction, 407

Reverberation

definition, 590

reverberations

reduction, 303

Reverse File, 306

Reverse RIAA, 515

Reverse RIAA Curve

definition, 590

Reverse RIAA Mode, 271

Rewind, 148

RIAA, 590**RIAA / IEC Equalization**

Curve

- definition, 590
- RIAA encoded vinyl master
 - create master EQ curve, 276
- RIAA Vinyl LP / 45, 270
- Right Mouse Button**, 590
- Rip CD Tracks, 115
- RMA, 621
- Roll-off, 514
 - definition, 591
- Roll-off Frequency**
 - definition, 591
- Rotary Head, 637
- RPM, 636
- RPM (Revolutions Per Minute)**
 - definition, 591
- RTA
 - Real Time Analyzer, 443
- Rumble**
 - definition, 591
- Rumble Filter**, 269
 - Virtual Phono Preamp, 269
 - VPA, 269
- rumble reduction, 537
- S/PDIF**, 32
 - definition, 593
 - SPDIF, 638
- sample
 - .wav files, 482
- Sample Noise**, 54
- Sample Rate, 150
 - definition, 591
- Sample Spectrum, 353
- Sampling Theorem**
 - definition, 591
- Save, 93
- Save Edit Session, 169
- Save Source As, 94
- Scratch, 201
- scratches, 200
- Screen Saver, 34

- Scroll Waveform, 170
- Scrub Audio, 147
- scrubber, 147
- search engine
 - DC Tune Database, 105
- Security Tips
 - Forensics Audio Labs, 502
- Seismic Noise, 160
 - signal generation, 162
- Select All, 137
- Selected Samples
 - of file, 377
- selective filtering, 322
- serial number
 - registration, 14
- Serial Number
 - (finding it in software), 476
- servo motor, 322
- session
 - history files, 458
- Set Start Time
 - wavfile, 455
- SHA-1
 - hash of file, 376
- Sharp Cutoff Checkbox
 - Overtone Synthesizer, 329
 - sub-harmonic synthesizer, 326, 329
- Shelving**
 - filter, 264
- Shibata
 - CD-4 Quadrasonic, 525
- Shielded Cables**
 - definition, 592
- Shortcuts
 - to Demo Wavefiles, 478
- Shuffle Play, 106
- sibilance, 573
- sibilant sounds
 - Overtone Synthesizer, 329

SID

definition, 592

signal generator, 159

Signal-to-Noise Ratio

definition, 592

silence

minimum between files, 558

Silent Passages, 421

Simulate stereo, 538

SINAD (Signal, Noise And Distortion)

definition, 592

Sine Wave, 164

Sine Waves, 159

single file operations, 125

single-ended, 233

Single-Ended Noise Reduction

definition, 592

sirens

signal tracking, 372

Slew Rate

definition, 592

slider controls, 234

Slope, 240

definition, 592

slope control, 395

slot filter, 249

Slot Filter, 592

slow left-mouse double-click,
116

Smooth Spectrum

spectrum analyzer, 444

Smoothing Checkbox, 225

Smoothing Mode, 222, 223

Snap Selection to Zero Crossing,
142

Solo/Brass, 202

Sone

definition, 592

Sound Card, 171

Sound Card Selection, 28

Sound Level, 592

Chart, 622

Sound Wave Velocity

definition, 593

sound-print, 358

Source and Destination mode, 35

Source window, 51

span, 157

Span

time display, 455

Spanish, 650

Spatial Enhancer

Channel Blender, 309

spatializer

channel blender, 307

Spatializer

Spatial Enhancer, 309

Special effects, 242

Spectral Difference, 353

Spectral Copy, 353

Spectral Enhancer, 534

definition, 593

Spectral Filter, 352

Spectral Frequency Tracker

Forensics, 371

spectral inverse filter, 352

Spectral Matching, 353

Spectral Subtraction

definition, 594

Spectral Subtraction Mode, 216

Spectrograph

definition, 593

spectrographs, 361

Spectrum

definition, 593

Spectrum Analyzer, 430

definition, 593

speech clarifier, 353

Speech Filter, 536

- definition, 593
- Speed**
 - definition, 593
- Speed Change, 315
- Splash Screen, 172
- Spline, 351
- Split and Recombine, 176
- Square Wave**, 594
- Square Waves, 159
- stability, 345
- Standard Precision Spectrum Analyzer, 430
- Standards
 - laboratory, 508
- Standards organization
 - NIST, etc, 508
- Stanton 500
 - compensation curve, 512
- Stanton 500 RIAA
 - Compensation Curve Preset for the Multifilter, 512
- Start Frequency, 446
- Starting Pitch**, 316
- Static, 81
- Statistics
 - forensics waveforms, 376
- Status Bar, 470
- Step 1**
 - Record Restoration Wizard, 71
- Step 2
 - Record Restoration Wizard, 77
- Step 3
 - Record Restoration Wizard, 78
- Step By Step Guide, 46
- Steps N on forward
 - Record Restoration Wizard, 79
- Stereo Reverse**, 278, 555
- Stereo Simulation, 283
- stereo system, 551
- sticky shed, 485

- Stop Band, 435
- Stop Frequency, 446
- Stout
 - dyna bass mode, 333
- Stout (mode)**
 - dyna bass checkbox, 335
- Strength control, 396
- stress
 - vocal, 384
- Stretch and Squish, 318
- strobe disc, 636
- Stroboscope, 594
- Stroboscope Disc Metafiles
 - Printable Strobe Discs, 636
- stuttering, 50
- Styli**
 - definition, 594
 - styli list
 - (styluses), 524
 - Styli Sizes
 - by record type, 634
- Stylus**, 524
- sub-filters
 - multifilter, 417
- Subharmonic Synthesizer, 325
- Sub-harmonics**
 - definition, 594
- Subsonic Explorer
 - Forensics, 373
- sub-woofer
 - dynamic bass processor, 333
- support**
 - additional support time, 560
- Support, 547
 - information, 564
- support time**
 - after product purchase, 560
- SW Radio**, 67
- Sweep, 160
- Sweep Type, 322

Sweet Spots
Slider Green Zones, 21
SWL, 551
Sync Files, 464
icon, 464
Synthesizer
Overtone, 327
sub-harmonic, 325
System Maintenance
DAWs, 508
System Requirements, 24
tag information, 111
Tag Support
Various File Types, 544
tails out
r-r tape recordings, 307
TAO, 426
tap
phone line, 644
Tape Authentication, 498
Tape Dropout Repair, 486
Tape Head
definition, 594
Tape Head Gap
definition, 595
Tape Hiss, 486
Tape Recorder Speeds
definition, 595
Tape Speed
Chart, 637
target signal, 337
Task Pane
operating guides, 70
Tasks Pane
enable/disable, 427
TDAF, 342
Tech Support, 547
Telephone
Diamond Cut Productions,
Inc., 564

Telephone Interface Circuit
Analog, 644
Telephone Jack Wiring, 639
Telephone Signals, 644
Telephone Touch Tone
frequency chart, 643
temp files
Fast Edit, 35
TempFiles directory
Temporary Files, 35
tempo, 318
Temporal Aliasing
definition, 565
Temporary Wave files, 168
termination resistance
MM Phono Cartridges, 516
terminology, 650
test audio files, 478
**THD (Total Harmonic
Distortion)**
definition, 595
THD + N
definition, 595
THD meter, 437
Thermal Noise (Floor)
definition, 595
Threshold, 495
thuds, 199
thump, 214
Ticks, 199
Tile, 472
**TIM (Transient Inter-
modulation Distortion)**
definition, 596
timbre, 251
Time Axis, 462
Time Bracketed Play, 156
Time Compression, 318
time constant, 219, 346
Time Constant

definition, 596
time delay, 342
Time Derivative
definition, 596
Time Display, 455
Time Domain Adaptive Filter,
342
time domain interpolation, 131
Time Format, 172
Time Offset, 281
Time Offset slider, 403
Time/date Stamp, 193
Time/Date Stamp, 193
Timeline
product development, 674
Timer Recording, 157
time-shifting
audio program, 157
Tip of the Day, 473
Title
DCTune Library, 101
tone arm, 280
tone controls, 266
toolbar
customization, 427
Toolbars, 467
**Total Harmonic Distortion
plus Noise**
definition, 595
Touch Tone, 497
Telephone, 643
Track At Once, 426
Tracking, 205, 206
Tracking Problems, 525
training
classroom, 561
training courses
classroom, 562
training DVDs, 563
Transfer Function, 351

measuring, 164
Transformer
definition, 596
transformer coupled, 301
transient response, 223
Treble
Tone Control, VPA, 268
Tremolo
definition, 596
Triangle Waves, 159
Triangular
Windowing, 447
Triangular High Pass, 166
Triode
definition, 596
Trouble Shooting, 547
TRS
Balanced Audio Circuits, 638
tube, 292
Tube
definition, 597
Tube Types, 298
turnover frequency, 514
Turnover Frequency
Chart (78s), 629
definition, 597
turntable, 514
connections, 30
Tutorials, 478
unbalanced audio
signal transmission, 549
unbalanced RCA
vs balanced XLR, 550
Undo Procedure Using Fast-Edit
Mode, 126
Universal Mode, 208
Universal Serial Bus, 640
Updates
product, 476
Upgrading Information, 14

USB, 640

 Ripping to, 117

 user name

 product registration, 14

User Name

 legitimate characters, 560

Vacuum Tube Simulator, 292

Valve

 definition, 597

Valves

 common audio types, 647

Variable Bit Rate (VBR), 87

variable bit rates, 88

Variable Frequency Mode

 Punch & Crunch, 314

VBR, 174

vector angle, 449

Vector Quantity

 definition, 597

vertical cut

 decode with VPP, 271

Vertical Cut, 597

Vertical Cut Demo

 wavefile, 480

Vibrato

 definition, 597

Video File Container Chart, 91

Video/Audio Extraction, 90

 Video Extraction, 90

View Menu, 427

Vinyl LP Mode, 207

vinyl masters

 cutting with RIAA EQ, 276

Violet Noise, 597

Virtual Phono Preamp

 VPP, 265

Virtual Preamp, 265

Virtual Valve Amplifier, 292

Vista

 file paths, 562

vocal attenuation, 310

Vocal Ranges

 definition, 597

Vocal Remover

 channel blender, 310

voice disguiser

 forensics Voice Garbler, 408

Voice Frequency Range

 definition, 597

Voice Fundamental Frequency

 (**F0**)

 definition, 597

Voice ID

 forensics, 380

voice ID test files

 formants, 383

Voice Over

 recordings, 558

Voiceprint Demo Files, 482

Volume Control, 268, 457

Vorbis, 86

 definition, 597

vowel

 formant, 380

VOX

 definition, 598

VOX Recording, 150, 152

VPA, 265

VPP

 Virtual Phono Preamp, 265

VST Plug-in

 support, 194

VU Meter, 456

VVA

 Virtual Valve Amplifier, 292

Watt

 definition, 598

Wave file (.wav)

 definition, 598

Waveform Statistics

- forensics, 376
- WDM, 171
- Web Homepage
 - Diamond Cut Productions, Inc., 476
- Weighting Function**, 253
- Welsh, 447
- Wet, 290
 - definition, 598
- Which Tool Do I Use?**, 80
- Whisper Enhancer
 - forensics, 389
- White & Pink Noise
 - Spectral Display, 646
- White Noise**
 - definition, 598
- White to Pink Noise Converter, 164
- Width (or Q):
 - Harmonic Reject, 231
- Wind Noise Filter
 - dynamic, 285
- Window Menu, 472
- Window Selection, 435
- Window Weighting**
 - definition, 598
- Windows 7
 - file paths, 562
- Windows XP**
 - file paths, 562
- Windows10
 - supported, 24
- Wire Table, 641
- Wizard
 - record restoration, 70
 - Record Restoration Wizard, 70
- WLS

- import file format, 110
- WMA, 86
- WMA File Encoding, 112
- Workspace, 85
- Worldwide Dial Tone
 - Frequencies, 644
- Wow**
 - definition, 598
- Wow and Flutter**
 - definition, 598
- Write CD Text**, 426
- WYSIWYG
 - Printing, 122
- X-Axis**
 - definition, 599
- XLR
 - Balanced Audio Circuit, 638
 - microphone connector, 277
- XLR or TRS**
 - balanced vs unbalanced, 549
- XY Display, 449
 - Left vs Right, 449
- X-Y plotter
 - vs Time graph, 410
- Y-Axis**
 - definition, 599
- YPbPr
 - Component Video, 638
- Z Axis, 364
- Z-Axis**
 - definition, 599
- Zero Crossing, 142
- Zero-Pad techniques, 368
- Zoom In, 461
- Zoom Out, 462
- Zooming Feature
 - via Waveform Overview, 463



Copyright © 1994- 2021,
Diamond Cut Productions,
Inc.

