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# POCKET GUIDE

## 1/2007



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1. Edition, March 2007

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## US-122L USB AUDIO/MIDI INTERFACE



- Two XLR mic inputs with phantom power
- Two analog line inputs (one switchable to high impedance for use with guitars, basses, etc.)
- One MIDI input, one MIDI output
- USB 2.0 equipped (also supports USB 1.1)
- Up to 96kHz/24-bit for high quality recordings
- Zero-latency hardware monitoring
- Headphone/level control
- Bus powered for use with any PC or Mac, including laptops
- Up to 96kHz/24-bit for high quality recordings
- Dimensions (W x H x D): 192 x 147 x 48 mm
- Weight: 1 kg

## US-144 USB AUDIO/MIDI INTERFACE



- Two XLR mic inputs with phantom power
- Digital audio input and output (SPDIF, coaxial)
- Two analog line inputs (one switchable to high impedance for use with guitars, basses, etc.)
- One MIDI input, one MIDI output
- USB 2.0 equipped (also supports USB 1.1)
- Up to 96kHz/24-bit for high quality recordings
- Zero-latency hardware monitoring
- Separate controls for output level and headphone volume
- Bus powered for use with any PC or Mac, including laptops
- Cubase LE and GigaStudio 3 LE included
- Dimensions (W x H x D): 192 x 147 x 48 mm
- Weight: 1 kg

## CD-BT1 MKII • CD-GT1 MKII • CD-VT1 MKII PORTABLE CD PHRASE TRAINERS



- CD player and bass (BT), guitar (GT) or mic (VT) pre amp with effects
- Playback modes: Single, Continuous, Single Loop, All Loop and Seamless Loop
- Change tempo by +16, +12, +8, +4, 0, -4, -8, -16, -32, -50% without affecting key (VSA function)
- Change key by  $\pm 6$  semitones and  $\pm 50$  cents without affecting tempo (can be used in conjunction with VSA function)
- Pitch control (+16 to -50%) changes tempo and key together
- Mono Monitor for CD (L+R, L, R)
- Split Monitor (Left ch: CD / Right ch: Input, or vice versa)
- Cue point memory (for instant location of last play start point)
- Flash start from cue point
- Phones and Line output with level control
- 10 seconds anti-shock memory
- Metronome (BPM: 40–220, Beat: 2–6)
- Two options of power supply: alkaline/NiMH batteries or optional AC adapter

- Dimensions (W x H x D): 232 mm x 40 mm x 138 mm
- Weight (without batteries): 0.62 kg

### Individual features

- Inputs with level control  
BT: 6.3-mm jack, switchable passive/active  
GT: One 6.3-mm jack, switchable GT/MIC  
VT: Two 6.3-mm jacks with common level control for mic input
- Built-in effects/sound controls  
BT: 16 effect presets, 5 user memories, Bass enhancement (3 settings), 5-band graphic EQ with Mid Shape; 2 EQ memories  
GT: 15 distortion, 15 overdrive, 15 clean, 12 vocal sounds, 5 effect memories, Guitar Canceller with selectable canceling point  
VT: 18 vocal effects, Voice Changer (1 octave down or up), Vocal Canceller with selectable canceling point
- BT/GT: Chromatic tuner and oscillator
- BT/GT: Foot switch input for various functions

## MP-GT1 PORTABLE MP3 MEMORY GUITAR TRAINER



- MP3 player with integrated Guitar preamp and effects
- 1 Gigabyte memory capacity
- Built-in multi effect for guitar (Overdrive, distortion, delay, chorus and more)
- Guitar canceller with selectable pan point and selectable frequency range
- Variable Speed Audition (VSA) to change the song tempo without affecting the key
- Pitch control: +16 % to 50 % in 1-% steps (while VSA is turned off)
- Key control to “tune the MP3” to your guitar ( $\pm 6$  semi-tones with  $\pm 50$  cents fine tune)
- Seamless in-out loop
- 3 play modes
  - Play a single file
  - Repeat a single file
  - Repeat all files
- ID3 Tag display to read title and artist information stored in your files
- Metronome lets you practise your timing when MP3 playback is stopped

- Chromatic Tuner with calibration (435 Hz to 445 Hz) and Oscillator
- Macros for frequently used functions
- Input volume control
- Balance control to set the level balance between MP3 playback and your guitar
- Volume control for headphones
- 24-bit AD/DA converter for audiophile playback quality
- Lithium Ion rechargeable battery (up to 8 hours of playback time)
- USB port for MP3 file import and battery recharge
- Auto power-off function saves battery power when unit is not in use
- Optional AC adapter makes you independent of the battery condition
- 128 x 64 dot matrix LC display
- Dimensions (W x H x D): 78 mm x 26 mm x 105 mm
- Weight: 0.220 kg (including Lithium Ion battery)

## GA-30CD 30-WATT GUITAR AMP / CD PHRASE TRAINER COMBO



### Overall features

- 15-watt guitar amplifier with NeoTube technology
- Separate 7.5+7.5-watt stereo amplifier for CD playback
- 6.5-inch (16.5-cm) loudspeaker for guitar amplifier section
- Two 3-inch (7.5-cm) fullrange loudspeakers for stereo playback from CD Trainer
- Line input for external source (MP3 players etc.)
- Two built-in DSP effects processors
- Headphones output

### Guitar amplifier section

- 1-channel guitar amp with switchable Boost
- Gain, Bass, Middle and Treble controls
- Master level control
- Reverb control for dedicated reverb processor

### DSP effects section

- Two editable parameters per effect
- Dedicated effects level control
- Effects output switchable between center and side speakers

### CD Trainer section

- Variable Speed Audition: Change tempo without changing the key
- Key change without changing the tempo
- Pitch control: Change tempo and key at the same time
- Guitar Cancel function to reduce level of center-panned solo guitars
- Loop Function
- Chromatic Tuner
- Oscillator
- Dimensions (W x H x D): 384 mm x 344 mm x 260 mm
- Weight: 13.8 kg

## GA-100CD 100-WATT GUITAR AMP / CD PHRASE TRAINER COMBO



### Overall features

- 60-watt RMS guitar amplifier section
- Separate 20+20-watt stereo amplifier for CD playback
- 12-inch custom-voiced RockReady speaker for amplifier section
- Two 5-inch fullrange speakers for stereo playback of CD Trainer
- Built-in DSP effects

### Amplifier section

- 2-channel guitar amp (clean and overdrive) with master volume
- Effects send/return
- Dedicated gain, volume and 3-band tone controls for each channel
- Neo Tube™ solid state circuitry for natural tube tone
- Footswitchable channel-select and effects

### CD Trainer section

- Change tempo without changing pitch
- Seamless loop
- Guitar cancel
- RCA line in
- RCA line out (mix of amp and CD sections)
- Dimensions (W x H x D): 818 mm x 548 mm x 344 mm
- Weight: 36 kg



- 8-track recording at uncompressed CD quality
  - Create hits at professional audio quality
- 2-track simultaneous recording
  - Record in stereo or record two independent mono sources
- Dedicated stereo mixdown track
  - Mix your song to a stereo file you can transfer to a computer for CD burning or MP3 encoding
- Dedicated controls on each channel for volume, pan, EFX send, EQ high and low
  - Use real knobs and buttons to change your sound like on an analogue recorder/mixer

- Two-band EQ with selectable frequencies per track
  - Decide for yourself which frequencies the low and high EQ knobs cut or boost depending on your sound sources
- Two TRS mic/line inputs, one switchable to Guitar
  - Plug in and record microphones, synths, guitars, drum machines etc. directly
- Effects send and stereo return
  - Patch in an external reverb or effects processor

- RCA line output
  - Connect to monitor amplifier/speakers or record your mix to an external recorder
- SPDIF digital optical output
  - Record your mix to a CD or MiniDisc® recorder at high quality
- Headphone output with level control
  - Monitor with headphones, or use a Y-cable to connect speakers and control their volume
- MIDI output for Timecode or Clock
  - Synchronize a drum machine or MIDI sequencer to your song

- USB 2.0 port for computer backup
  - Export your mix recording or individual tracks or back up your song to a computer; import individual tracks or restore backed-up songs from a computer
- Workstation-style editing: copy, paste, move, erase, silence
  - Edit your tracks like a pro: tighten your timing, create loops, cut unwanted noise etc.
- Built-in 40GB hard drive
  - Plenty of room for dozens of songs

**DP-01FX additional features**

The DP-01FX has all of the DP-01 features plus:

- Two phantom powered XLR microphone inputs
  - Plug in condenser microphones for a higher recording quality
- Built-in reverb processor
  - Polish your mixes
- Built-in insert effects processor
  - Process your track with chorus, flange, amp modeling or other effects as you record

**DP-01FX/CD additional feature**

The DP-01FX/CD has all of the DP-01 and DP-01FX features plus:

- Built-in CD+RW burner / CD-ROM drive
  - Burn your mixed hits directly to CD or back up your work in progress at any time without having to transfer it to computer first



**New features**

- Double harddisk capacity (80 Gigabytes)
- CD recorder with up to 16x write speed
- Two additional effect sections within multi effect (Overdrive, Acoustic Guitar Simulator)
- Physical master fader for submix
- Copy From -> To editing function allows precise alignment of a copied section

**Recorder section**

- 24-track HDD-based multitrack recorder
  - Simultaneous playback of 24 tracks
  - Simultaneous recording of 8 tracks
- 250 assignable virtual (alternative) tracks
- 2 additional tracks for mastering

- Powerful editing functions
- Flexible Undo/Redo (999 levels)
- 999 markers plus In/Out/To locate points per song
- Return To Zero function
- Manual punch in/out
- Auto punch in/out
- Rehearsal function
- Repeat playback or recording function
- Variable pitch ( $\pm 6\%$ )
- Slow Speed Audition (50–100 %)
- Waveform view

**Mixer**

- 24+8-channel digital mixer
- Flexible on-board digital patch bay
- 3 aux sends on all input and track channels
- 3-band EQ on all 24 channels and 8 inputs (high and low sweepable shelving bands and full parametric mid band)
- 8 analogue inputs (4 XLR/TRS balanced inputs with phantom power, 4 TRS balanced inputs, one shared with additional connector on unit's front for direct connection of a guitar/bass)
- Solo/Mute, Channel link
- Quick setup utility
- Snapshot memory
- Digital input (SPDIF)

- Analogue (RCA) and digital (SPDIF) master outputs
- TRS quasi-balanced monitor output
- Headphones output

**Effects**

- Internal effects and dynamics processors
  - Reverb, delay, chorus and others to be used as loop effect
  - Up to 4 insert mic effects
  - Assignable guitar multi-effects processor
  - Dedicated stereo dynamics processor on the stereo output
- Chromatic tuner

**MIDI**

- Sync to MTC (Master/Slave)
- MMC (MIDI Machine Control)
- MIDI Clock output with SPP (Song Position Pointer)
- Metronome
- Import and play Standard MIDI (SMF) files (external sequencer or sound module needed for audio output)

**CD writer**

- On-board CD-RW drive
  - Burn your mixdown on CD
  - Import/export WAV files
  - Backup your hard drive
  - Play Audio CDs
- Live Writer function (use the markers to set track increments automatically)

**Other**

- High-speed USB 2.0 port to connect to your PC/Mac for data backup/restore and SMF/WAV file transfer
- Connector for expression pedal (allows control of Wah or Volume)
- Dimensions (W x D x H): 545 mm x 355 mm x 145 mm
- Weight: 8 kg

## FireOne DAW CONTROLLER WITH AUDIO/MIDI INTERFACE



- Compact, portable Control Interface with Audio/MIDI I/O
- Up to 24-bit audio resolution, up to 96 kHz sampling frequency for audiophile recording quality that captures every detail and nuance
- 2 analogue audio inputs (XLR/TRS combo connectors)
- +48V phantom power
- Input B switchable to high impedance for direct connection of guitar or bass
- Left and Right audio outputs (jack)
- 2 headphone output connectors with separate level controls (listen to your recordings with a friend!)
- 1 MIDI input, 1 MIDI output
- Virtual MIDI through FireWire
- Transport control keys
- Large, weighted jog dial
- 8 assignable function keys for quick access to frequently-used functions of your DAW application
- 12-segments stereo LED meter
- Foot switch connector (for RC-30P or similar)
- Buspower operation through 6-pin FireWire connection (no mains power needed when used with such connection)
- AC adapter input for power supply when used with 4-pin FireWire connection
- Dimensions (W x H x D): 261 mm x 168 mm x 54 mm
- Weight: 1.2 kg

## FW-1804 FIREWIRE AUDIO/MIDI INTERFACE



- 18-in/12-out audio interface
- 24-bit A/D and D/A converters, sampling frequency up to 96kHz
- 4 balanced XLR/TRS mic/line inputs with switchable phantom power (+48V)
- 4 additional balanced TRS line inputs
- Analogue inserts on inputs 1-4
- Guitar-level input
- 10 digital inputs and outputs: ADAT optical (8 ch.) plus SPDIF coaxial (2 ch.)
- Balanced stereo line output with level control
- Headphone output with level control
- 2 MIDI inputs and 4 MIDI outputs
- Word Clock input and output
- Assignable footswitch jack
- 3 control surface modes to monitor the signal from the host application only, the input signal only, or both the host application and input signal
- ASIO and WDM compatibility for Windows 2000 / Windows XP
- ASIO, Sound Manager and Core Audio compatibility for Mac OS 9 / OS X
- LED status indicators
- 18-in/2-out mixing capability with GUI
- Includes GigaStudio™ 3 LE software sampling instrument and Steinberg® Cubase® LE software

### Applications

- Live recording: Record four mic and four line sources with this portable interface and a laptop
- DAW recording: 96-kHz/24-bit recording resolution, high-quality mic preamps and MIDI I/O make a powerful interface for home production studios
- MIDI sequencing: Built-in MIDI I/O, 8 line ins and an SPDIF digital in for interfacing with racks of synths
- Project and professional studios: Transfer up to 18 channels from a mixing console to DAW recording software
- Dimensions (W x H x D): 483 x 95 x 356 mm
- Weight: 5.7 kg





- Audio interface with 10 inputs and 4 outputs
- 24-bit/96-kHz audio resolution
- Four balanced XLR/TRS mic/line inputs with phantom power
- Four additional balanced TRS line inputs (one switchable to Guitar)
- Analogue inserts on channels 1 and 2
- SPDIF stereo digital input and output
- Balanced TRS monitor outputs
- Headphone output with level control
- Two MIDI inputs and outputs
- Assignable footswitch jack
- Nine 60-mm touch-sensitive moving faders
- Eight channel strips with solo, mute and select buttons and record arm indicator
- Four assignable encoders
- Transport controls, jog/shuttle wheel and many other surface controls\*
- Emulates Mackie® HUI® and Mackie® Control™ in addition to included native mode control plug ins
- Includes GigaStudio™ 3 LE software sampling instrument
- Includes Steinberg® Cubase® LE software
- Dimensions (W x H x D): 486 x 83 x 386 mm
- Weight: 6.5 kg



- **Control Surface**
- Highly programmable control surface for digital audio workstation (DAW) system
- 9 x 100-mm touch-sensitive motorized faders
- Mixing parameters / HDR edit / Transport / Record function / Automation control
- Shortcut keys for various popular audio software applications
- Compatible with a wide variety of popular DAW applications
- Mackie Control Emulation
- **Audio/MIDI Interface**
- High-resolution professional multi-channel audio interface (18 in and 10 out)
- 24-bit resolution
- 44.1/48/88.2/96kHz sampling frequencies
- 24-bit AD/DA converters
- 8 analogue Mic (XLR) / Line (6.3-mm jack) balanced inputs with 48V Phantom power (Ch. 8 switchable Mic/Line / Guitar)
- 8 analogue inserts
- 8 analogue balanced line outputs (6.3-mm stereo jacks, CH1-2: for Stereo outputs/ CH1-8: for Surround monitoring)
- 1 SPDIF digital Input (selectable between Coaxial and Optical)
- 1 SPDIF digital output (selectable between Coaxial and Optical)
- 1 ADAT digital I/O (8 in and 8 out)
- 4 MIDI inputs, 4 MIDI outputs
- Fully independent 4x4 MIDI routing matrix
- Word Clock input and output (BNC)
- Headphone output
- **Other features**
- 2 x IEEE-1394 (FireWire) interfaces
- ASIO and WDM compatibility for Windows 2000 / XP
- ASIO, Sound Manager and Core Audio compatibility for Mac OS 9 / OS X
- LED indicators (Functional status, Control key, Signal level, Control surface mode, MIDI and other I/O status)
- Stand-alone mixer mode (18 in and 2 out, Trim, Phantom, Insert, Solo, Mute, Pan, Fader)
- Footswitch connector (6.3-mm jack)
- Dimensions (W x H x D): 582 x 136 x 481 mm
- Weight: 10.3 kg



CO-DEVELOPED WITH  
**SANE WAVE**

Mixer screen

Rear panel view

**Multitrack Recording**

- 48-track digital recording at up to 96kHz/24-bit
- 24-track recording at 192kHz/24-bit (with future software update)
- 32-bit floating point audio file recording and playback with no loss of track count
- Advanced integrated synchronization and machine control, including HDTV tri-level sync
- Time-stamped Broadcast Wave file format

- Front-panel transport, track arming, project management and metering functions
- Built-in 80-GB hard drive
- Built-in DVD+RW for backup, transfer and restore
- $\pm 12.5\%$  varispeed
- Grid-style editing

**Workstation/Mixing**

- Turn-key operation: no software conflicts to troubleshoot
- Graphic user interface for editing, mixing, plug-ins and meters
- 48-channel mixing at 96kHz (24 channels at 192kHz with future software update)
- 32-bit floating point mixer resolution

- 6 stereo returns (60 inputs at mixdown)
- 24 busses, 6 aux sends, stereo master bus
- Full dynamic automation
- Dynamics, 4-band parametric EQ and 4 VST plug-in inserts per channel

**Rear Panel Connections**

- 48 TDIF digital inputs and outputs
- Stereo SPDIF In and Out
- Two 24-channel option slots support analogue, ADAT or AES/EBU expansion cards
- BNC Video In and Thru, auto-terminating
- BNC Word Clock In, Out and Thru, autoterminating
- MIDI In and Out
- TRS balanced 6.3-mm SMPTE In and Out
- 6.3-mm foot switch input



### Mixer section

- 64 mixing channel modules (48 full-function channels plus 16 "simple" channels)
- 24 busses, 12 aux sends, 48 direct outputs, one stereo bus
- Four-band EQ and dynamics on each full-function channel
- Full dynamics processing with compressor/expander and gate on each full-function channel
- Two high-quality digital effects including reverb by TC Works
- Dedicated full-channel section for direct access to module parameters

- 24 plus one touch-sensitive motorised faders
- 24 rotary encoders with ring LED indicators
- Five mixer layers (Ch. 1–24, Ch. 25–48, Ch. 49–64, Busses 1–24, Auxes 1–12) and a Remote layer for DAW control
- Built-in Talkback microphone
- Flexible I/O routing
- Three surround matrices
- On-board automation
- Total recall by project management

### Inputs and outputs

- 24 XLR balanced MIC inputs with phantom power and 20dB PAD
- 24 TRS balanced Line inputs
- 24 TRS unbalanced inserts
- Eight assignable sends/returns
- XLR balanced stereo output
- RCA unbalanced 2-track input
- Two XLR AES/EBU digital I/O
- Two coaxial SPDIF digital I/O
- ADAT I/O (8 channels)
- Three TDIF-1 I/O (24 channels)

- Four expansion slots (support for optional FireWire, ADAT, AES/EBU, Analogue, and TDIF cards)
- Two sets of control-room monitor outputs with six assignable source selects
- Two headphone outputs
- BNC Word Clock input and output
- RCA Time Code input
- MIDI In, Out, Thru/MTC Out

### General

- Sampling frequency: 44.1, 48, 88.2, 96kHz, Resolution: 24-bit
- The same mixing specifications in 48k and 96k modes
- Dedicated Cascade port for cascading of two DM-4800 mixers
- DAW interconnection via optional FireWire card (IF-FW/DM MKII)
- Transport Control
- Surround monitoring with optional expansion card (IF-SM/DM)
- CompactFlash card for saving / loading internal data
- Includes Tascam Mixer Companion software (Windows XP & Mac)
- Driverless USB connection to computer
- Backup/restore data via USB
- GPI functionality
- Foot switch connector for hands-free operation of selected functions
- RS-422 serial port to control external equipment
- Optional Meter bridge (MU-1000)
  
- Dimensions without Meterbridge (W x H x D): 933 x 230 x 824 mm
- Weight: 35 kg



### Mixer section

- 48 mixing channels (32 channel inputs plus 16 returns)
- 16 bus outputs, eight AUX outputs, one stereo output
- Four-band EQ and dynamics on each input channel (CH 1 to 32)
- Dynamics on each output (16 busses, eight Aux sends, and Stereo output)
- Built-in effects processing
- On board TC Reverb
- 16 plus one touch-sensitive motorised faders

- SEL/SOLO/MUTE keys and rotary encoder with ring LED on each channel strip (16 channel strips)
- Five mixer layers (Ch. 1–16, Ch. 17–32, Returns 1–16, Busses 1–16, Auxes 1–8) and Control layer with banks
- Built-in Talkback microphone
- Flexible I/O routing
- Surround mixing capability
- On-board automation
- Total recall by project management

IF-SM/DM  
Surround monitoring card

IF-FW/DM MKII  
FireWire card



### Inputs and outputs

- 16 XLR balanced MIC inputs with phantom power and 20dB PAD
- 16 TRS balanced Line inputs
- 16 TRS unbalanced inserts
- Four assignable sends/returns
- XLR balanced stereo output
- RCA unbalanced Studio output
- RCA unbalanced 2-track inputs
- TRS balanced Control Room output
- Two XLR AES/EBU digital I/O

- Two Coaxial SPDIF digital I/O
- ADAT I/O (8 channels)
- Three TDIF-1 I/O (24 channels)
- Two headphone outputs
- RCA TC input
- Two audio I/O slots (support for optional FireWire, ADAT, AES/EBU, Analog, and TDIF cards)

### General

- Sampling frequency: 44.1, 48, 88.2, 96kHz, Resolution: 24-bit
- The same mixing specifications in 48k and 96k modes
- Word Sync In, Out/Thru
- MIDI In, Out, Thru/MTC Out
- Dedicated Cascade port for cascading of two DM-3200 mixers
- Foot switch connector for hands-free operation of selected functions
- Optional Meter bridge (MU-1000)
- DAW interconnection via optional FireWire card (IF-FW/DM MKII)
- Transport Control
- Surround monitoring with optional expansion card (IF-SM/DM)
- CompactFlash card for saving / loading internal data
- Includes Tascam Mixer Companion software (Windows XP & Mac)
- Driverless USB connection to computer
- Backup/restore data via USB
- GPI functionality
- Dimensions (W x H x D): 700 x 230 x 824 mm
- Weight: 24 kg

## DM OPTIONS OPTIONS FOR DM SERIES MIXING CONSOLES



### IF-SM/DM

- Surround monitor card
- Installs into expansion of DM series mixers
- Eight analogue output channels
- 44.1k, 48k, 88.2k, 96k operation
- Flexible downmixing
- Uses the mixer's Pink Noise generator for monitor calibration
- Individual channel Mute/Solo
- Individual channel delay compensation
- Surround Bass Management

### IF-FW/DM MKII

- FireWire interface card
- Simple FireWire (IEEE-1394) connection to computer for audio and control data exchange
- 44.1k, 48k, 88.2k, 96k operation
- Two FireWire jacks for daisy-chaining other FireWire components
- Dedicated MIDI Input and Output ports
- Mac OS X and Windows XP compatibility
- Dedicated control panel for Windows and Macintosh

### MU-1000

- 24-channel meterbridge with timecode display

### IF-AN/DM

- 8-channel analogue I/O card

### IF-TD/DM

- 8-channel TDIF-1 I/O card

### IF-AD/DM

- 8-channel ADAT I/O card (44,1/ 48 kHz only)

### IF-AE/DM

- 8-channel AES/EBU card

### PW-1000CS

- Cascade cable for interconnection of two equal DM mixers

## HD-P2 PORTABLE, HIGH-DEFINITION STEREO RECORDER



### Recording

- Recording media: Compact Flash, Micro Drive
- 16- or 24-bit at sample rates from 44.1 kHz through 192 kHz
- Writes uncompressed, time-stamped Broadcast Wave file format
- Pre-Record Cache and Retake function
- Audio files continually re-saved

### Inputs and Outputs

- Balanced XLR mic inputs with phantom power, PAD, and analogue peak limiter
- Low-cut filter on each analogue input
- Unbalanced stereo line input (RCA)
- Unbalanced stereo line output (RCA)
- SPDIF digital input and output (coaxial)
- Headphone output (6.3-mm stereo jack)
- Built-in mono microphone and speaker
- FireWire port for connection with PC/Mac
- Analogue level controls

### Synchronization

- SMPTE/LTC timecode input (XLR)
- Chase incoming SMPTE timecode
- Video clock input
- Tri-level sync support

- Frame Lock, Lock and Release and flexible Freewheel settings
- Pull-up and Pull-down sample rates

### Convenience

- Familiar tape machine-style layout and function
- Easily enter/edit file names via Computer Keyboard
- Large, angled, uncluttered LC display
- Shortcut keys and LED indicators for frequently-accessed functions
- Recessed Compact Flash slot
- Runs on eight AA batteries (Alkaline, NiMH or NiCd) or DC power adapter
- Approximately 5.5 hours of operating time on battery power
- Durable and lightweight housing
- Supplied accessories: Shoulder Belt, Carrying Case, AC adapter CS-P2
- Dimensions (W x H x D): 260 x 196 x 65 mm
- Weight: 1.2 kg



## DV-RA1000 HD AUDIO/DSD MASTER RECORDER WITH HARD DISK DRIVE



- High-quality stereo recording at up to 192kHz/24-bit or DSD format
- Records audio data directly to internal Hard Disk Drive
- Records Broadcast Wave and DSDIFF files to DVD±RW media (computer-readable UDF 1.5 disk format)
- Records directly to CD-R/RW media (standard CD-DA format)
- Copies audio data from HDD to DVD±R for archiving purposes
- Duplicates discs or copies audio files between optical discs and the Hard Disk Drive
- DVD±RW recordings fully compatible with DV-RA1000 and vice-versa
- Multiband compression and 3-band EQ for master processing
- Fade in/out and editing functions
- USB 2.0 port
- Balanced XLR and unbalanced RCA I/O
- Balanced AES/EBU inputs and outputs
- SDIF-3 DSD I/O for external conversion and processing of DSD audio
- Dedicated input level soft control
- Adjustable maximum output level
- ±6% pitch control
- Word Sync In, Out, Thru
- Wired remote control and RS-232C serial port
- PS/2 keyboard connector
- User-definable function keys
- Large, backlit LC display
- Power-on Play feature
- Auto track increment
- Various playback modes including auto cue, auto ready and A/B play
- Headphone output

### Applications

- Master Recording
- Mastering
- Live Recording
- Sound Installations
- Dimensions (W x H x D): 483 x 95 x 357 mm
- Weight: 6.8 kg

## DV-RA1000 HIGH-DEFINITION AUDIO/DSD MASTER RECORDER



- High-quality stereo recording at up to 192kHz/24-bit or DSD format
- Records standard CD-DA format to CD-R/RW media, and Broadcast Wave and DSDIFF files to DVD+RW media
- Multiband compression and 3-band EQ for master processing
- Fade in/out and editing functions
- USB 2.0 port
- Balanced XLR and unbalanced RCA I/O
- Balanced AES/EBU inputs and outputs
- SDIF-3 DSD I/O for external conversion and processing of DSD audio
- Dedicated input level soft control
- Adjustable maximum output level
- ±6% pitch control
- Word Sync In, Out, Thru
- Wired remote control and RS-232C serial port
- PS/2 keyboard connector
- User-definable function keys
- Large, backlit LC display
- Power-on Play feature
- Auto track increment
- Various playback modes such as auto cue, auto ready, single/continuous, program and A/B play
- Headphone output
- Supports UDF disk format

### Applications

- Master Recording
  - Record your final mix at the best possible digital resolution for CD or SACD
- Mastering
  - Transfer analogue masters to DSD or 192kHz for remastering to SACD or DVD audio
- Live Recording
  - Connect to a top-quality mixer or mic preamp for stunning classical recording
- Sound Installations
  - Put in any system where you would use a professional CD recorder
- Dimensions (W x H x D): 483 x 95 x 357 mm
- Weight: 6.8 kg



## MD-350 MINI DISC RECORDER / REPRODUCER



- Cost-effective professional-grade 2-track MiniDisc recorder/reproducer
- 2U height 19" rack-mount construction
- Versatile edit functions (DIVIDE, ERASE, MOVE, COMBINE, TRACK TITLE, DISC TITLE)
- Front panel keyboard connection (PS/2 type keyboard connector)
- 20-bit ADC/DAC, ATRAC 4.5
- Pitch control -12%
- Repeat Play function
- Timer Record / Play function
- Programme and Shuffle Play mode
- Auto Ready, Auto Space and Auto Cue
- 2 stereo Longrecord/play modes: LP2 (1/2 speed), LP4 (1/4 speed)
- Monaural recording mode
- On-board Sample rate converter
- SCMS
- RCA coaxial digital input
- XLR balanced and phono unbalanced analogue inputs and outputs
- RC-32 wireless infrared remote controller supplied as a standard accessory
- Dimensions (W x H x D): 483 x 94 x 313 mm
- Weight: 5.5 kg

## MD-CD1 PROFESSIONAL MINI DISC RECORDER / CD PLAYER



- **CD deck**
- MP3 file playback / ID3 tag display
- $\pm 16\%$  pitch control
- Change tempo without affecting the key
- Change key without affecting the tempo
- Dedicated digital and analogue outputs
- Transport control with PS/2 Keyboard
- **MD deck**
- Supports ST, MONO, LP2, and LP4 mode (REC/PLAY)
- Edit functions
- Overwrite recording
- $\pm 12.5\%$  pitch control
- Dedicated digital (optical) and analogue inputs and outputs (RCA)
- PS/2 keyboard connector for title input and external control

- **General**
- 4 x speed MiniDisc duplication
- MD-CD continuous playback
- RS-232C serial control
- Optional balanced I/O board (LA-MC1)
- Wireless IR remote controller included
- 2U rackmountable form factor
- Dimensions (W x H x D): 483 x 94 x 308 mm
- Weight: 5.8 kg

## CD-A500/A700 CD-PLAYER / AUTO-REVERSE CASSETTE DECK



### CD Player

- Independent operation for CD player
- Shuffle, Single and Program play
- 3-way repeat function (single/auto/A-B)
- Intro check
- $\pm 12\%$  pitch control (CD-A700 only)
- Auto space
- Timer play
- XLR balanced output (CD-A700 only)
- RCA unbalanced output

### Cassette Deck

- Independent operation for cassette deck
- Auto reverse
- Bi-directional record/replay
- CPS (Computomatic Program Search) with status display
- $\pm 12\%$  pitch control

- CD sync
- Return-to-zero
- Dolby B noise reduction
- Timer play/recording
- XLR balanced I/O (CD-A700 only)
- RCA unbalanced I/O

### General

- Full function remote control
- Control I/O (CD-A700 only)
- Headphone jack with level control
- Independent CD and tape function display
- CD-tape continuous play
- 3U standard rack-mount construction
- Dimensions (W x H x D):  
483 x 145 x 290 mm
- Weight (CD-A500): 6.4 kg
- Weight (CD-A700): 6.6 kg

## CD-160 MKII CD PLAYER



- Compatible with CD, CD-R and CD-RW discs using CD-DA standard
- Plays MP3 files on CDs
- Plays MP3 files inside directories
- Search function for MP3 tracks
- Displays MP3 information (ID3 tags)
- Pitch control ( $-5\%$  to  $+7\%$ )
- Skip/search function
- Intro-check function
- Repeat playback (ONE/ALL)
- Program playback (up to 64 tracks)
- Shuffle playback
- Coaxial digital output (RCA, SPDIF)
- Optical digital output (TOSLINK, SPDIF)
- RCA unbalanced analogue output
- Headphone output with level control
- Electronic shock protection
- Infrared remote control included (RC-160)
- 2U rack-mount construction
- Dimensions (W x H x D):  
481 x 95 x 298 mm
- Weight: 4.1 kg

## CD-01U, CD-01U Pro COMPACT CD PLAYERS



- 1U rack-mountable CD player
- CD-R/RW and MP3 playback
- 12cm/8cm CD playback
- 20 sec. anti-shock memory
- Slot-in CD drive mechanism
- RCA unbalanced analogue output
- SPDIF (optical) digital output
- Frame accurate search
- Playback Mode (Single, All, Program: up to 99)
- Repeat Mode (Single, All, A-B)
- Time Display (Track Elapsed / Track Remaining / Total Remaining)
- Auto Cue, Auto Ready
- $\pm 12.5\%$  Pitch Control (in 0.1% steps) with Rotary Encoder knob
- Key Original function (change speed only)
- Call function (return to the point where playback last started)
- Intro Check
- Resume
- Fade In/Out (up to 10 sec, in 0.5-sec steps)
- Power on play
- Eject block function
- Headphone output with dedicated volume control
- Mono output
- Serial control (RS-232C, D-sub 9-pin)
- Relay play or Fader start
- Last mode memory (Playback mode / Program / Repeat mode / Time display)
- End Of Message
- LC display
- Wireless remote control included
- Removable power cable

### Additional features on CD-01U Pro

- XLR balanced analogue output
- XLR AES/EBU digital output
- D-sub 15-pin parallel control
- Dimensions (W x H x D):  
482 x 44 x 325 mm
- Weight (CD-01U/CD-01U Pro):  
3.5 kg / 3.7 kg

## DV-D01U PROFESSIONAL DVD PLAYER



- 1U rack-mountable DVD player
- Accepts multiple DVD and CD formats:
  - DVD Video
  - DVD Audio
  - VCD (Video CD)
  - SVCD (Super Video CD)
  - CD-DA (Digital Audio CD)
- Compatible with many file formats:
  - Audio: MP3, WMA, WAV
  - Image: JPEG
  - Video: ASF, MPEG-2/MPEG-1, DivX
- Dolby Digital Surround
- DTS Digital Surround
- RCA analogue stereo audio output
- Optical SPDIF digital audio output
- Composite video output
- S-Video output
- Component video output
- HDMI (High Definition Multimedia Interface)
- Progressive scan
- FVPP (Fine Video Picture Processing)
- HDCP compliant (encryption standard)
- (Power-on Play (Timer Play function)
- RS-232C serial port
- Infrared wireless remote controller
- Dimensions (W x H x D):  
482 mm x 51 mm x 269 mm
- Weight: 2.6 kg

## CD-RW900 PROFESSIONAL CD RECORDER



- Records to pro CD-R, CD-RW and consumer CD-R and CD-RW media
- 24-bit A/D and D/A converters
- Input sample rate converter (32 kHz to 48 kHz)
- Independant L/R analogue input level control
- Digital volume
- Sync recording function
- Auto or manual track division
- Digital fade in/out from 1 to 30 sec in 1-sec steps
- Rec mute function to record silence
- Erase/un-finalize CD-RWs
- Supports CD-Text
- PS/2 keyboard can be used for CD-Text input and as a remote control
- Timer function (play when power comes on)
- Continuous, single, random, or program (up to 99 songs) play
- All, single, or A-B repeat play
- Plays MP3 files on CDs (128 Kb/s only)
- Plays MP3 files inside directories
- Shows MP3 tags on Display (ID3)
- Pitch control ( $\pm 16\%$  in 0.1 to 1.0% steps)
- Key control ( $\pm 6$  semi-tones)
- Key original function (change tempo without changing key)
- SPDIF coaxial digital I/O
- Optical TOS digital I/O
- RCA unbalanced analogue I/O
- Wireless remote control included
- 2U rack mount construction
- Dimensions (W x H x D): 483 x 93 x 308 mm
- Weight: 4.9 kg

## CD-RW901 PROFESSIONAL CD RECORDER



- Records to pro CD-R, CD-RW and consumer CD-R and CD-RW media
- 24-bit A/D and D/A converters
- XLR balanced analogue I/O
- RCA unbalanced analogue I/O
- Coaxial and optical digital I/O (SPDIF)
- AES/EBU digital I/O
- Automatic input sample rate converter (to 44.1 kHz, defeatable)
- L/R analogue input level control
- Digital volume
- Sync recording function
- Auto track increment by level with trim function
- Time Track Increment: Adds a CD track ID every 1 to 10 minutes
- Set index marks
- Index search function
- Digital fade in/out from 1 to 30 sec in 1-sec steps
- Rec mute function to record silence
- Erase/un-finalize CD-RWs
- Continuous, single, random, or program (up to 99 songs) play
- All, single, or A-B repeat play
- Auto Cue, Auto Ready, Call, and Incremental Play functions
- Plays MP3 files on CDs (128 Kb/s only)
- Plays MP3 files inside directories
- Shows MP3 tags on display (ID3)
- Pitch control ( $\pm 16\%$  in 0.1 to 1.0% steps)
- Key control ( $\pm 6$  semi-tones)
- Key original function (change tempo without changing key)
- Selectable copy ID
- Supports CD-Text
- PS/2 keyboard for CD-Text input and transport control
- RS-232C serial control (9-pin D-sub)
- Parallel control (15-pin D-sub)
- Power-on play: Starts CD playback when power is applied
- Wired remote control included
- 2U rack-mount construction
- Dimensions (W x H x D): 483 x 93 x 309 mm
- Weight: 5.4 kg

## CD-222 MKIII CD RECORDER / CASSETTE DECK



### General

- Continuous playback between decks
- Individual RCA unbalanced analogue inputs/ outputs on both decks
- Dedicated analogue input level controls
- Coaxial and optical digital input/output for CD Recorder
- RIAA phono input for turntable conn.
- Headphones output with level control
- Wireless remote controller included
- 3U rack-mountable

### CD-RW Recorder

- CD-R, CD-RW, CD-R-DA, CD-RW-DA discs
- MP3 file playback, including navigating through directories of MP3 files
- 24-bit A/D and D/A converters
- Digital input level control
- Selectable copy ID
- Automatic sampling rate converter
- Auto Track Increment by level with trim
- Time Track Increment
- Auto Space function
- Sync record with adjustable sound level

- Fade in and out (1 to 30 seconds in 1-sec. steps)
- Record Mute
- Single play, continuous play, random play, and program play (maximum 99 songs)
- Repeat function (single track, all tracks, program, random, A-B section)
- Intro check function
- Erase CD-RW discs
- Un-finalize CD-RW discs
- Power-on play: Starts CD playback when power is applied

### Cassette deck

- Auto reverse
- Dolby B noise reduction
- $\pm 10\%$  pitch control
- RTZ (Return to Zero)
- Record Mute
- CPS search function
- Dimensions (W x H x D): 483 x 138 x 295 mm
- Weight: 7.4 kg

## CD-355 5-DISC CD CHANGER



- Carousel-type CD changer for five discs
- Supports CD and CD-R/RW media
- MP3 CD playback
- Program Play across all five discs (up to 32 tracks)
- Shuffle Play
- Intro Check
- Repeat function (Single track or All tracks)
- Time display (Elapsed, Remain, Total Elapsed, Total Remain)
- MP3 Tag display (ID3)
- Keys for direct access to 5 discs (on front panel and remote control)
- Number keys on remote control for direct track access

- Fluorescent display with Music Calendar
- XLR balanced output
- RCA unbalanced output
- 2 SPDIF digital audio outputs (optical and coaxial)
- 1-bit dual D/A converter
- 8x oversampling rate
- 3-U rackmountable
- Full-function remote control included
- Dimensions (W x H x D): 482 mm x 131 mm x 368 mm
- Weight: 7.2 kg

## CD-DJ1 PROFESSIONAL DJ TABLETOP CD/MP3 PLAYER



- Unique ultra-compact size
- Anti-shock memory
- MP3 playback
- Supports CD Text and ID3 tag for MP3
- Seamless loop
- Two hot starts

- Key Original (master tempo)
- TT-M1 "Turntable Magic" connector
- Dimensions (W x H x D):  
155 x 60 x 275 mm
- Weight: 1 kg

## CD-X1500 / CD-X1700 DJ DUAL CD PLAYERS



### CD-X1700 only

- 2 integrated samplers (10 seconds each), reverse playback of samples,  $\pm 32\%$  pitch control on samples, Sampler level control
- MP3 playback with pitch bending and tempo changes
- On-board digital effects (Echo, Flanger, Filter), syncable to BPM
- Reverse play

### CD-X1500 and CD-X1700

- Continuous play, single play, and up to 30 tracks program play
- Stutter play
- Seamless A-B loop
- 3 flash start/cue points
- Auto cue and auto ready
- $\pm 0, 8, 16, 32$  and 100% tempo control (by slider or by tapping on the TAP key)
- Key Original function prevents original key from being affected by tempo changes
- Pitch bending function
- $\pm 16\%$  key control

- BPM counter (CD-X1500: with Tap key, CD-X1700: automatic/with Tap key)
- Scratch and Brake functions
- TT-LINK®-Accessory connector for the TT-M1 CD Scratch Controller
- Filter effect (CD-X1500)
- Track memory stores various playback settings for up to 100 tracks
- Start playback from an external device which supports fader start (i.e. X-9, X-17, X-15, XS-3, etc.)
- Relay play between both units
- Anti-shock memory
- Digital SPDIF output
- Supports CD-R/RW discs
- Compact 2U/3U controller size
- Dimensions (W x H x D), CD drive unit:  
482 x 94 x 272 mm (including feet)
- Controller:  
CD-X1500: 482 x 88 x 83 mm (19", 2U)  
CD-X1700: 482 x 132 x 83 mm (19", 3U)



## 202MKIV DUAL AUTO REVERSE CASSETTE DECK



- Two cassette decks in one unit
- Continuous, bi-directional playback or recording over both decks
- Parallel recording on both decks
- Normal and high speed dubbing capability
- Synchro reverse dubbing
- Intro check function
- Computomatic Program Search (CPS)
- Blank scan function
- Pitch control ( $\pm 12\%$ )
- Dolby NR and HX Pro
- Unbalanced RCA inputs and outputs
- Microphone input with separate level control for mixing recordings
- Power-on playback/recording (Timer function)
- Headphones jack
- 19-inch rack-mountable chassis
- Dimensions (W x H x D): 482 x 139 x 286 mm
- Weight: 5.5 kg

## 322 DUAL AUTO-REVERSE CASSETTE RECORDER



- Two independent decks with separate input and output connections
- Simultaneous recording and playback
- Individual recording and playback
- Continuous recording and playback
- Quick auto reverse
- Sync reverse
- Normal or hi-speed dubbing
- Input level control
- Dolby B and C noise reduction
- Dolby HX Pro
- $\pm 10\%$  pitch control
- Up to ten units can be connected together to form 20 deck array for real-time duplication
- Multiple tape dubbing, continuous playback and logging
- Cascade connector for multiple units duplication system
- RS-232 Control Interface
- Control I/O for continuous and relay recording and playback for multiple units operation
- Optional WR-7000 Synchro cable
- RC-322 wired remote control included
- Optional LA-322 balance XLR I/O Kit (one kit for each deck needed)
- Two Heads per deck
- 19" 3U rack-mount construction
- Dimensions (W x H x D): 483 x 140 x 305 mm
- Weight: 7.8 kg

## LA-80/LA-81/LA-40 MKII



### LA-80

- 8 channels of unbalanced to balanced conversion

### LA-81

- 8 channels of balanced to unbalanced conversion

### LA-40 MKII

- 4 channels of balanced to unbalanced conversion plus 4 channels of unbalanced to balanced conversion

## GIGASTUDIO 3 EXPANDABLE SAMPLING WORKSTATIONS



- Unlimited Polyphony (dependant on hard drive speed and computer processor speed)
- 128 MIDI channels
- VST Plug-in and ReWire support
- 24-bit/96-kHz sample support
- Expanded mixer with up to 128 channels and 32 fader groups
- Quick Edit: Alter parameters on the fly
- New User Interface look and feel for improved workflow and usability
- Intelligent MIDI providing Legato, Alternation, Random modes and more
- Sample Recording with new GSIF 2.0-compatible soundcards
- Kernel-level MIDI eliminates latency and reduces jitter on the incoming MIDI data
- GigaPulse™ Convolution Reverb
- Convolution Surround placement
- Enhanced Capture To Wave to record 8 audio streams simultaneously
- Unlimited instrument stacking
- Up to 128 Dimensions available for expressive keyswitches and crossfades
- Support for 8 channels of audio input and 32 channels of output
- GigaPiano 2 included
- Vienna GigaSymphony sample library included

### GigaStudio's well-known features:

- Streaming samples over 4GB in size
- Low latency
- 32-bit audio signal processing
- High quality sound libraries
- Runs on inexpensive PC hardware
- Integrates with Mac sequencers with a soundcard and a MIDI jack
- Quicksound™
- Articulations
- Network streaming capability
- DirectSound™ compatible



- Windows® VST plug-in reverb processor taking advantage of TASCAM's latest DSP technology
- Acoustic space modeling via exclusive convolving algorithms
- Ultra-realistic emulation of any room, vintage EQ or microphone
- Create new impulses (reverb characteristics) from your own recordings and apply them to other sources
- 2D mic/source placement – move your source to up to 18 locations in a room – the perfect effect for orchestral arrangements and other spacious mixes
- Microphone modeling can be applied to the environment or used alone to add vintage microphone warmth to recordings
- Tail extension function reduces computer processing load to free up your CPU for more instances
- “Move” the mic using the Perspective slider, controlling the reverb amount while maintaining phase and stereo imaging
- Impulse libraries available from Tascam, or download numerous freeware impulses from the Internet.



- The power of GigaStudio 3 in an easy-to-use plug-in for Windows VSTi and RTAS workstation software
- Unlimited polyphony
- 96-kHz/24-bit sample support
- Embedded GigaPulse convolution
- iMIDI legato and round robin rules
- Runs as a 16-part multi-timbral plug-in instrument in both VSTi and RTAS formats
- Compatible with virtually all Windows workstation software, including Pro Tools



- Unique convolution-based Body Resonance Technology to model a varied selection of rich, vintage violin bodies
- Unprecedented realism with notes that naturally decay
- Unmatched performance possibilities, including dynamic portamento and vibrato, and changing bowing articulations while performing
- Violin bodies and microphone placements can be changed at any time to find the one that best suits the music
- Perfect legato and portamento lines without needing separate samples
- Broad selection of articulations
- Intelligent MIDI rules can alternate bowing, randomize sample selection, automatically switch between mono and poly modes and much more
- Ideal for film scoring, composition, pop or any style that requires the emotive power of solo violin

